Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 18, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300617). For your reference, the 8260 analyses have been assigned our service request number X2300234.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

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COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300234
Project:	WVB / #03103154	**Date Received:**	3/18/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300417-3 and XWG0300417-4) recovery of Bromochloromethane and Dibromomethane, Method 8260B, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

The associated blank spike (XWG0300410-3 and XWG0300410-4) recovery of Bromochloromethane, Dibromomethane, and 1,2,3-Trichloropropane Method 8260B, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

Sample AVB14-0100-18102 (X2300234-004) required dilution of Trichloroethene, Method 8260B, due to high concentration of target analyte.

Matrix spike (XWG0300410-1 and XWG0300410-2) recovery of Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride, Method 8260B, was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300410-1 and XWG0300410-2) recovery of Trichloroethene, 1,2-Dichloropropane and Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

The accuracy of the spike (XWG0300410-1) recovery value of Tetrachloroethene, Method 8260B, is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

Matrix spike (XWG0300417-1 and XWG0300417-2) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

MS/DMS (XWG0300417-1 and XWG0300417-2) RPD for Chloroethane and Acetone, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by JM **Date** 4-7-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300234

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB112-0100-02129	X2300234-001	03/18/2003	03/18/2003
AVB18-0100-19101	X2300234-002	03/18/2003	03/18/2003
AVB12-0100-19102	X2300234-003	03/18/2003	03/18/2003
AVB14-0100-18102	X2300234-004	03/18/2003	03/18/2003
AVB14-0104-1000	X2300234-005	03/18/2003	03/18/2003
AVB14-0102-1000	X2300234-006	03/18/2003	03/18/2003
AVB112-0100-02129MS	XWG0300417-1	03/18/2003	03/18/2003
AVB112-0100-02129DMS	XWG0300417-2	03/18/2003	03/18/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-7-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	
Acetone	**21**		10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	**17**		1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	**10**		8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	**0.58**		0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	**1.1**		1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	**16**		0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	**2.9**		0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	**0.93**		0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	**2.8**		0.50	1	03/28/03	03/28/03	

Comments:

000008

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	**6.3**		0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	**0.90**		0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	**2.8**		0.50	1	03/28/03	03/28/03	
m,p-Xylenes	**2.8**		1.0	1	03/28/03	03/28/03	
o-Xylene	**2.3**		0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	**0.57**		0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	**2.0**		0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/28/03	
Toluene-d8	101	68-126	03/28/03	
4-Bromofluorobenzene	94	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB18-0100-19101
Lab Code: X2300234-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	**3.1**		1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	**2.2**		0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	**1.2**		0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	**6.7**		0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB18-0100-19101
Lab Code: X2300234-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	**2.3**		0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	L1
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB18-0100-19101
Lab Code: X2300234-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/28/03	
Toluene-d8	101	68-126	03/28/03	
4-Bromofluorobenzene	98	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB12-0100-19102
Lab Code: X2300234-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	**0.85**		0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	**1.0**		1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	**53**		0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB12-0100-19102
Lab Code: X2300234-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	**19**		0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	L1
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB12-0100-19102
Lab Code: X2300234-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/28/03	
Toluene-d8	104	68-126	03/28/03	
4-Bromofluorobenzene	99	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0100-18102
Lab Code: X2300234-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	**14**		1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	**17**		0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	**12**		8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	**22**		0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	**2.6**		1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	**0.80**		0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	**87**	D	5.0	10	03/28/03	03/28/03	D2
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Bromodichloromethane	**0.99**		0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0100-18102
Lab Code: X2300234-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	**3.5**		0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	**0.59**		0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	L1
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0100-18102
Lab Code: X2300234-004

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	03/28/03	
Toluene-d8	105	68-126	03/28/03	
4-Bromofluorobenzene	97	79-113	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0104-1000
Lab Code: X2300234-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0104-1000
Lab Code: X2300234-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	L1
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0104-1000
Lab Code: X2300234-005

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	03/28/03	
Toluene-d8	105	68-126	03/28/03	
4-Bromofluorobenzene	99	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0102-1000
Lab Code: X2300234-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0102-1000
Lab Code: X2300234-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: 03/18/2003
Date Received: 03/18/2003

Volatile Organic Compounds

Sample Name: AVB14-0102-1000
Lab Code: X2300234-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/28/03	
Toluene-d8	107	68-126	03/28/03	
4-Bromofluorobenzene	95	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

000026

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

000027

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	101	68-126	03/27/03	
4-Bromofluorobenzene	96	79-113	03/27/03	

Comments:

000028

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300417-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	L1
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300417-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300417-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/28/03	
Toluene-d8	103	68-126	03/28/03	
4-Bromofluorobenzene	99	79-113	03/28/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB112-0100-02129	X2300234-001	103	101	94
AVB18-0100-19101	X2300234-002	102	101	98
AVB12-0100-19102	X2300234-003	103	104	99
AVB14-0100-18102	X2300234-004	106	105	97
AVB14-0104-1000	X2300234-005	106	105	99
AVB14-0102-1000	X2300234-006	102	107	95
Method Blank	XWG0300410-5	103	101	96
Method Blank	XWG0300417-5	103	103	99
Batch QC	X2300224-001	102	105	95
Batch QCMS	XWG0300410-1	106	105	100
Batch QCDMS	XWG0300410-2	100	100	94
AVB112-0100-02129MS	XWG0300417-1	101	107	100
AVB112-0100-02129DMS	XWG0300417-2	102	104	96
Lab Control Sample	XWG0300410-3	106	105	105
Duplicate Lab Control Sample	XWG0300410-4	101	101	98
Lab Control Sample	XWG0300417-3	105	96	102
Duplicate Lab Control Sample	XWG0300417-4	100	102	98

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	4.10	10.0	41 M2	3.93	10.0	39 M2	78-207	4	20
Chloromethane	ND	7.16	10.0	72	6.09	10.0	61 M2	70-157	16	20
Vinyl Chloride	ND	7.85	10.0	79	7.19	10.0	72 M2	79-174	9	20
Bromomethane	ND	9.14	10.0	91	7.68	10.0	77	44-150	17	20
Chloroethane	ND	11.1	10.0	111	9.52	10.0	95	74-150	16	20
Trichlorofluoromethane	ND	9.32	10.0	93	8.52	10.0	85	80-134	9	20
1,1,2-Trichlorotrifluoroethane	ND	11.2	10.0	112	10.2	10.0	102	67-128	9	20
1,1-Dichloroethene	ND	9.83	10.0	98	9.12	10.0	91	71-142	7	20
Acetone	ND	30.8	40.0	77	26.0	40.0	65	1-155	17	20
Iodomethane	ND	38.6	40.0	97	35.6	40.0	89	47-120	8	20
Carbon Disulfide	ND	43.2	40.0	108	39.6	40.0	99	77-126	9	20
Methylene Chloride	ND	10.5	10.0	105	9.43	10.0	94	83-106	10	20
Methyl tert-Butyl Ether	ND	9.32	10.0	93	8.58	10.0	86	70-118	8	20
trans-1,2-Dichloroethene	ND	10.8	10.0	108	9.89	10.0	99	86-115	9	20
1,1-Dichloroethane	ND	11.8	10.0	118	10.9	10.0	109	77-127	8	20
Vinyl Acetate	ND	46.0	40.0	115	41.2	40.0	103	8-187	11	20
2,2-Dichloropropane	ND	11.2	10.0	112	10.4	10.0	104	25-154	8	20
2-Butanone (MEK)	ND	35.9	40.0	90	36.9	40.0	92	90-112	3	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	10.0	10.0	100	69-118	3	20
Bromochloromethane	ND	11.0	10.0	110	10.6	10.0	106	47-136	4	20
Chloroform	ND	11.2	10.0	112	10.5	10.0	105	48-143	6	20
1,1,1-Trichloroethane	ND	9.68	10.0	97	9.02	10.0	90	84-122	7	20
Carbon Tetrachloride	ND	9.98	10.0	100	9.60	10.0	96	79-120	4	20
1,1-Dichloropropene	ND	10.7	10.0	107	9.97	10.0	100	85-117	7	20
Benzene	ND	10.3	10.0	103	9.67	10.0	97	88-114	6	20
1,2-Dichloroethane	ND	10.6	10.0	106	9.94	10.0	99	75-112	6	20
Trichloroethene	1.4	13.5	10.0	121 M1	12.6	10.0	112	76-115	7	20
1,2-Dichloropropane	ND	11.0	10.0	110 M1	10.3	10.0	103	85-107	7	20
Dibromomethane	ND	9.97	10.0	100	9.85	10.0	99	82-106	1	20
Bromodichloromethane	ND	9.78	10.0	98	9.01	10.0	90	83-107	8	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	9.94	10.0	99	70-114	11	20
4-Methyl-2-pentanone (MIBK)	ND	36.1	40.0	90	35.0	40.0	87	54-129	3	20
Toluene	ND	10.5	10.0	105	9.84	10.0	98	86-114	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	10.6	10.0	106	9.61	10.0	96	73-112	10	20
1,1,2-Trichloroethane	ND	9.73	10.0	97	9.03	10.0	90	79-112	7	20
Tetrachloroethene	47	60.5	10.0	131 M3	56.0	10.0	86	78-130	8	20
2-Hexanone	ND	39.7	40.0	99	34.4	40.0	86	77-112	14	20
1,3-Dichloropropane	ND	9.92	10.0	99	9.30	10.0	93	45-133	6	20
Dibromochloromethane	ND	9.73	10.0	97	8.78	10.0	88	74-108	10	20
1,2-Dibromoethane	ND	10.1	10.0	101	9.24	10.0	92	73-113	8	20
Chlorobenzene	ND	10.4	10.0	104	9.75	10.0	98	84-111	6	20
1,1,1,2-Tetrachloroethane	ND	9.79	10.0	98	9.32	10.0	93	84-119	5	20
Ethylbenzene	ND	10.9	10.0	109	10.3	10.0	103	47-136	6	20
m,p-Xylenes	ND	21.5	20.0	107	20.7	20.0	104	84-120	4	20
o-Xylene	ND	10.2	10.0	102	9.76	10.0	98	47-143	5	20
Styrene	ND	10.8	10.0	108	9.93	10.0	99	72-121	8	20
Isopropylbenzene	ND	10.4	10.0	104	9.87	10.0	99	63-108	5	20
Bromobenzene	ND	10.6	10.0	106	10.2	10.0	102	80-113	4	20
1,2,3-Trichloropropane	ND	9.74	10.0	97	9.99	10.0	100	78-119	3	20
n-Propylbenzene	ND	10.9	10.0	109	10.3	10.0	103	76-117	6	20
2-Chlorotoluene	ND	10.5	10.0	105	9.88	10.0	99	79-121	6	20
4-Chlorotoluene	ND	10.7	10.0	107	10.2	10.0	102	70-133	5	20
1,3,5-Trimethylbenzene	ND	10.4	10.0	104	9.97	10.0	100	79-118	5	20
tert-Butylbenzene	ND	10.3	10.0	103	9.83	10.0	98	77-120	5	20
1,2,4-Trimethylbenzene	ND	10.5	10.0	105	9.89	10.0	99	68-127	6	20
sec-Butylbenzene	ND	9.93	10.0	99	9.45	10.0	95	78-123	5	20
1,3-Dichlorobenzene	ND	10.0	10.0	100	9.42	10.0	94	78-127	6	20
4-Isopropyltoluene	ND	10.4	10.0	104	9.89	10.0	99	79-142	5	20
Bromoform	ND	9.46	10.0	95	8.92	10.0	89	83-111	6	20
1,1,2,2-Tetrachloroethane	ND	11.2	10.0	112	10.6	10.0	106	66-133	5	20
1,4-Dichlorobenzene	ND	10.1	10.0	101	9.72	10.0	97	48-139	4	20
1,2-Dichlorobenzene	ND	9.82	10.0	98	9.27	10.0	93	64-109	6	20
n-Butylbenzene	ND	10.8	10.0	108	10.5	10.0	105	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	10.1	10.0	101	9.18	10.0	92	54-160	9	20
1,2,4-Trichlorobenzene	ND	9.41	10.0	94	9.36	10.0	94	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.4	10.0	114 M1	74-113	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike			Batch QCDMS XWG0300410-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	8.51	10.0	85	8.48	10.0	85	44-167	0	20
1,2,3-Trichlorobenzene	ND	10.3	10.0	103	10.3	10.0	103	37-158	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300417

Analyte Name	Sample Result	AVB112-0100-02129MS XWG0300417-1 Matrix Spike Result	Expected	%Rec	AVB112-0100-02129DMS XWG0300417-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	3.80	10.0	38 M2	4.00	10.0	40 M2	78-207	5	20
Chloromethane	ND	6.95	10.0	70	6.67	10.0	67 M2	70-157	4	20
Vinyl Chloride	ND	7.40	10.0	74 M2	7.60	10.0	76 M2	79-174	3	20
Bromomethane	ND	7.35	10.0	74	6.03	10.0	60	44-150	20	20
Chloroethane	ND	18.5	10.0	185 M2	14.9	10.0	149	74-150	21 R5	20
Trichlorofluoromethane	ND	8.99	10.0	90	8.68	10.0	87	80-134	4	20
1,1,2-Trichlorotrifluoroethane	ND	10.5	10.0	105	10.9	10.0	109	67-128	4	20
1,1-Dichloroethene	ND	9.48	10.0	95	10.4	10.0	104	71-142	9	20
Acetone	21	54.2	40.0	82	75.2	40.0	134	1-155	32 R5	20
Iodomethane	ND	36.7	40.0	92	36.2	40.0	91	47-120	1	20
Carbon Disulfide	ND	41.9	40.0	105	43.7	40.0	109	77-126	4	20
Methylene Chloride	ND	10.0	10.0	100	10.7	10.0	107 M1	83-106	6	20
Methyl tert-Butyl Ether	17	29.8	10.0	126 M1	31.9	10.0	146 M1	70-118	7	20
trans-1,2-Dichloroethene	ND	10.5	10.0	105	11.0	10.0	110	86-115	5	20
1,1-Dichloroethane	ND	11.2	10.0	112	11.6	10.0	116	77-127	4	20
Vinyl Acetate	ND	49.4	40.0	124	50.4	40.0	126	8-187	2	20
2,2-Dichloropropane	ND	10.8	10.0	108	10.6	10.0	106	25-154	2	20
2-Butanone (MEK)	10	51.2	40.0	103	51.4	40.0	103	90-112	0	20
cis-1,2-Dichloroethene	0.58	11.0	10.0	104	11.1	10.0	105	69-118	1	20
Bromochloromethane	ND	11.7	10.0	117	11.0	10.0	110	47-136	6	20
Chloroform	1.1	12.3	10.0	112	12.3	10.0	112	48-143	0	20
1,1,1-Trichloroethane	ND	9.39	10.0	94	9.25	10.0	93	84-122	2	20
Carbon Tetrachloride	ND	10.1	10.0	101	9.84	10.0	98	79-120	2	20
1,1-Dichloropropene	ND	10.3	10.0	103	10.3	10.0	103	85-117	1	20
Benzene	16	24.1	10.0	80 M2	23.3	10.0	73 M2	88-114	3	20
1,2-Dichloroethane	ND	11.2	10.0	112	10.9	10.0	109	75-112	3	20
Trichloroethene	2.9	15.0	10.0	121 M1	14.4	10.0	114	76-115	4	20
1,2-Dichloropropane	ND	11.2	10.0	112 M1	10.6	10.0	106	85-107	6	20
Dibromomethane	ND	11.6	10.0	116 M1	10.8	10.0	108 M1	82-106	7	20
Bromodichloromethane	0.93	11.3	10.0	103	10.9	10.0	100	83-107	3	20
cis-1,3-Dichloropropene	ND	11.8	10.0	118 M1	11.1	10.0	111	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	55.3	40.0	138 M1	55.0	40.0	138 M1	54-129	0	20
Toluene	2.8	13.4	10.0	106	12.9	10.0	101	86-114	4	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: XWG0300417

Analyte Name	Sample Result	AVB112-0100-02129MS XWG0300417-1 Matrix Spike Result	Expected	%Rec	AVB112-0100-02129DMS XWG0300417-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	12.0	10.0	120 M1	11.1	10.0	111	73-112	8	20
1,1,2-Trichloroethane	ND	10.4	10.0	104	10.6	10.0	106	79-112	2	20
Tetrachloroethene	6.3	16.5	10.0	102	16.2	10.0	99	78-130	2	20
2-Hexanone	ND	50.0	40.0	125 M1	50.0	40.0	125 M1	77-112	0	20
1,3-Dichloropropane	ND	11.0	10.0	110	10.8	10.0	108	45-133	2	20
Dibromochloromethane	0.90	11.6	10.0	107	11.6	10.0	107	74-108	1	20
1,2-Dibromoethane	ND	10.7	10.0	107	10.7	10.0	107	73-113	0	20
Chlorobenzene	ND	10.3	10.0	103	9.83	10.0	98	84-111	5	20
1,1,1,2-Tetrachloroethane	ND	9.91	10.0	99	9.75	10.0	98	84-119	2	20
Ethylbenzene	2.8	13.1	10.0	103	12.7	10.0	99	47-136	3	20
m,p-Xylenes	2.8	24.1	20.0	107	22.9	20.0	101	84-120	5	20
o-Xylene	2.3	12.7	10.0	104	12.2	10.0	99	47-143	4	20
Styrene	ND	10.9	10.0	109	10.5	10.0	105	72-121	4	20
Isopropylbenzene	ND	9.85	10.0	99	9.46	10.0	95	63-108	4	20
Bromobenzene	ND	11.1	10.0	111	10.9	10.0	109	80-113	2	20
1,2,3-Trichloropropane	ND	11.6	10.0	116	12.2	10.0	122 M1	78-119	5	20
n-Propylbenzene	ND	10.2	10.0	102	9.91	10.0	99	76-117	3	20
2-Chlorotoluene	ND	9.94	10.0	99	9.67	10.0	97	79-121	3	20
4-Chlorotoluene	ND	10.3	10.0	103	10.0	10.0	100	70-133	3	20
1,3,5-Trimethylbenzene	0.57	10.3	10.0	98	10.1	10.0	95	79-118	2	20
tert-Butylbenzene	ND	9.49	10.0	95	9.10	10.0	91	77-120	4	20
1,2,4-Trimethylbenzene	2.0	12.3	10.0	103	11.9	10.0	99	68-127	3	20
sec-Butylbenzene	ND	8.54	10.0	85	8.16	10.0	82	78-123	5	20
1,3-Dichlorobenzene	ND	10.0	10.0	100	9.61	10.0	96	78-127	4	20
4-Isopropyltoluene	ND	8.96	10.0	90	8.70	10.0	87	79-142	3	20
Bromoform	ND	10.8	10.0	108	10.4	10.0	104	83-111	4	20
1,1,2,2-Tetrachloroethane	ND	12.7	10.0	127	12.4	10.0	124	66-133	3	20
1,4-Dichlorobenzene	ND	9.65	10.0	97	9.22	10.0	92	48-139	5	20
1,2-Dichlorobenzene	ND	9.90	10.0	99	9.59	10.0	96	64-109	3	20
n-Butylbenzene	ND	8.64	10.0	86	8.04	10.0	80	69-122	7	20
1,2-Dibromo-3-chloropropane	ND	11.6	10.0	116	10.8	10.0	108	54-160	7	20
1,2,4-Trichlorobenzene	ND	9.83	10.0	98	9.56	10.0	96	39-145	3	20
Hexachlorobutadiene	ND	7.85	10.0	79	6.64	10.0	66 M2	74-113	17	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB112-0100-02129
Lab Code: X2300234-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300417

Analyte Name	Sample Result	AVB112-0100-02129MS XWG0300417-1 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	AVB112-0100-02129DMS XWG0300417-2 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND	14.3	10.0	143	14.5	10.0	145	44-167	1	20
1,2,3-Trichlorobenzene	ND	12.2	10.0	122	11.8	10.0	118	37-158	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.98	10.0	40	4.08	10.0	41	1-233	2	20
Chloromethane	6.92	10.0	69	7.23	10.0	72	46-156	4	20
Vinyl Chloride	7.49	10.0	75	7.40	10.0	74	51-158	1	20
Bromomethane	8.51	10.0	85	8.50	10.0	85	37-149	0	20
Chloroethane	9.33	10.0	93	9.41	10.0	94	56-146	1	20
Trichlorofluoromethane	8.46	10.0	85	7.91	10.0	79	69-139	7	20
1,1,2-Trichlorotrifluoroethane	10.9	10.0	109	10.6	10.0	106	83-130	3	20
1,1-Dichloroethene	9.50	10.0	95	9.60	10.0	96	65-112	1	20
Acetone	38.9	40.0	97	43.3	40.0	108	68-128	11	20
Iodomethane	37.4	40.0	93	36.9	40.0	92	68-144	1	20
Carbon Disulfide	42.4	40.0	106	41.5	40.0	104	67-140	2	20
Methylene Chloride	11.0	10.0	110	10.6	10.0	106	70-113	4	20
Methyl tert-Butyl Ether	10.1	10.0	101	9.90	10.0	99	75-115	2	20
trans-1,2-Dichloroethene	10.9	10.0	109	10.4	10.0	104	73-118	5	20
1,1-Dichloroethane	11.7	10.0	117	11.1	10.0	111	77-127	5	20
Vinyl Acetate	47.8	40.0	120	48.2	40.0	120	51-202	1	39
2,2-Dichloropropane	10.7	10.0	107	10.0	10.0	100	75-132	6	20
2-Butanone (MEK)	47.5	40.0	119	40.5	40.0	101	72-122	16	20
cis-1,2-Dichloroethene	10.2	10.0	102	9.86	10.0	99	81-118	3	20
Bromochloromethane	12.0	10.0	120 L1	12.2	10.0	122 L1	82-114	2	20
Chloroform	11.4	10.0	114	10.6	10.0	106	78-119	7	20
1,1,1-Trichloroethane	9.49	10.0	95	8.95	10.0	90	71-125	6	20
Carbon Tetrachloride	9.55	10.0	96	9.16	10.0	92	69-130	4	20
1,1-Dichloropropene	10.3	10.0	103	9.99	10.0	100	77-114	3	20
Benzene	10.3	10.0	103	9.50	10.0	95	81-117	8	20
1,2-Dichloroethane	11.3	10.0	113	10.7	10.0	107	67-122	6	20
Trichloroethene	10.6	10.0	106	10.1	10.0	101	79-114	5	20
1,2-Dichloropropane	11.1	10.0	111	10.5	10.0	105	78-114	6	20
Dibromomethane	11.4	10.0	114 L1	11.5	10.0	115 L1	78-113	2	20
Bromodichloromethane	10.4	10.0	104	10.2	10.0	102	79-122	2	20
cis-1,3-Dichloropropene	11.5	10.0	115	11.1	10.0	111	82-118	3	20
4-Methyl-2-pentanone (MIBK)	40.4	40.0	101	42.9	40.0	107	75-115	6	20
Toluene	10.3	10.0	103	10.1	10.0	101	85-118	2	20
trans-1,3-Dichloropropene	11.2	10.0	112	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.5	10.0	105	10.2	10.0	102	79-116	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.53	10.0	95	9.31	10.0	93	76-127	2	20
2-Hexanone	44.0	40.0	110	46.3	40.0	116	65-120	5	20
1,3-Dichloropropane	10.3	10.0	103	10.7	10.0	107	81-116	4	20
Dibromochloromethane	9.91	10.0	99	10.0	10.0	100	77-119	1	20
1,2-Dibromoethane	10.5	10.0	105	10.3	10.0	103	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.72	10.0	97	84-114	5	20
1,1,1,2-Tetrachloroethane	9.81	10.0	98	9.46	10.0	95	78-118	4	20
Ethylbenzene	10.8	10.0	108	10.2	10.0	102	79-124	6	20
m,p-Xylenes	21.4	20.0	107	20.3	20.0	101	75-131	6	20
o-Xylene	10.4	10.0	104	9.83	10.0	98	78-122	5	20
Styrene	10.8	10.0	108	10.2	10.0	102	80-126	5	20
Isopropylbenzene	10.5	10.0	105	9.60	10.0	96	75-126	8	20
Bromobenzene	11.1	10.0	111	10.2	10.0	102	82-122	8	20
1,2,3-Trichloropropane	12.2	10.0	122 L1	10.7	10.0	107	77-118	13	20
n-Propylbenzene	11.0	10.0	110	10.2	10.0	102	75-129	7	20
2-Chlorotoluene	10.8	10.0	108	9.94	10.0	99	77-126	8	20
4-Chlorotoluene	11.1	10.0	111	10.4	10.0	104	82-120	7	20
1,3,5-Trimethylbenzene	10.8	10.0	108	9.86	10.0	99	75-130	9	20
tert-Butylbenzene	10.4	10.0	104	9.68	10.0	97	73-130	7	20
1,2,4-Trimethylbenzene	10.8	10.0	108	9.97	10.0	100	60-137	8	20
sec-Butylbenzene	10.1	10.0	101	9.32	10.0	93	68-131	8	20
1,3-Dichlorobenzene	10.2	10.0	102	9.60	10.0	96	71-137	6	20
4-Isopropyltoluene	10.5	10.0	105	9.69	10.0	97	68-134	8	20
Bromoform	9.86	10.0	99	9.68	10.0	97	70-118	2	20
1,1,2,2-Tetrachloroethane	12.1	10.0	121	12.0	10.0	120	72-122	1	20
1,4-Dichlorobenzene	10.1	10.0	101	9.60	10.0	96	82-114	5	20
1,2-Dichlorobenzene	10.2	10.0	102	9.54	10.0	95	81-118	7	20
n-Butylbenzene	10.7	10.0	107	10.0	10.0	100	71-125	7	20
1,2-Dibromo-3-chloropropane	9.68	10.0	97	11.1	10.0	111	55-131	14	20
1,2,4-Trichlorobenzene	10.4	10.0	104	9.75	10.0	98	75-123	6	20
Hexachlorobutadiene	10.9	10.0	109	10.1	10.0	101	63-140	7	20
Naphthalene	10.7	10.0	107	9.73	10.0	97	67-125	10	20
1,2,3-Trichlorobenzene	11.9	10.0	119	11.5	10.0	115	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300417

	Lab Control Sample XWG0300417-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300417-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	4.00	10.0	40	4.01	10.0	40	1-233	0	20
Chloromethane	6.90	10.0	69	6.45	10.0	65	46-156	7	20
Vinyl Chloride	7.43	10.0	74	7.32	10.0	73	51-158	1	20
Bromomethane	7.20	10.0	72	7.76	10.0	78	37-149	7	20
Chloroethane	8.87	10.0	89	10.1	10.0	101	56-146	13	20
Trichlorofluoromethane	8.06	10.0	81	8.96	10.0	90	69-139	11	20
1,1,2-Trichlorotrifluoroethane	11.4	10.0	114	10.7	10.0	107	83-130	6	20
1,1-Dichloroethene	9.92	10.0	99	9.59	10.0	96	65-112	3	20
Acetone	41.3	40.0	103	49.6	40.0	124	68-128	18	20
Iodomethane	37.3	40.0	93	35.5	40.0	89	68-144	5	20
Carbon Disulfide	43.1	40.0	108	41.0	40.0	102	67-140	5	20
Methylene Chloride	11.1	10.0	111	10.3	10.0	103	70-113	8	20
Methyl tert-Butyl Ether	9.88	10.0	99	9.73	10.0	97	75-115	2	20
trans-1,2-Dichloroethene	11.0	10.0	110	10.4	10.0	104	73-118	5	20
1,1-Dichloroethane	11.6	10.0	116	11.1	10.0	111	77-127	5	20
Vinyl Acetate	49.6	40.0	124	45.8	40.0	115	51-202	8	39
2,2-Dichloropropane	10.9	10.0	109	10.0	10.0	100	75-132	9	20
2-Butanone (MEK)	38.8	40.0	97	35.8	40.0	89	72-122	8	20
cis-1,2-Dichloroethene	10.4	10.0	104	9.69	10.0	97	81-118	7	20
Bromochloromethane	11.9	10.0	119 L1	11.2	10.0	112	82-114	5	20
Chloroform	10.9	10.0	109	10.4	10.0	104	78-119	5	20
1,1,1-Trichloroethane	9.40	10.0	94	8.90	10.0	89	71-125	5	20
Carbon Tetrachloride	10.1	10.0	101	9.71	10.0	97	69-130	4	20
1,1-Dichloropropene	10.4	10.0	104	9.89	10.0	99	77-114	5	20
Benzene	10.0	10.0	100	9.64	10.0	96	81-117	4	20
1,2-Dichloroethane	11.2	10.0	112	10.3	10.0	103	67-122	8	20
Trichloroethene	10.1	10.0	101	10.5	10.0	105	79-114	4	20
1,2-Dichloropropane	10.4	10.0	104	11.0	10.0	110	78-114	5	20
Dibromomethane	10.4	10.0	104	11.6	10.0	116 L1	78-113	10	20
Bromodichloromethane	9.67	10.0	97	10.3	10.0	103	79-122	6	20
cis-1,3-Dichloropropene	10.9	10.0	109	11.5	10.0	115	82-118	5	20
4-Methyl-2-pentanone (MIBK)	41.1	40.0	103	43.3	40.0	108	75-115	5	20
Toluene	9.91	10.0	99	10.6	10.0	106	85-118	7	20
trans-1,3-Dichloropropene	10.4	10.0	104	11.3	10.0	113	79-121	8	20
1,1,2-Trichloroethane	9.69	10.0	97	10.8	10.0	108	79-116	10	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300234
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300417

	Lab Control Sample XWG0300417-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300417-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.76	10.0	98	10.6	10.0	106	76-127	9	20
2-Hexanone	41.8	40.0	105	47.5	40.0	119	65-120	13	20
1,3-Dichloropropane	9.97	10.0	100	11.1	10.0	111	81-116	11	20
Dibromochloromethane	9.78	10.0	98	10.9	10.0	109	77-119	11	20
1,2-Dibromoethane	9.56	10.0	96	11.1	10.0	111	79-116	15	20
Chlorobenzene	9.98	10.0	100	9.90	10.0	99	84-114	1	20
1,1,1,2-Tetrachloroethane	9.79	10.0	98	9.70	10.0	97	78-118	1	20
Ethylbenzene	10.4	10.0	104	10.4	10.0	104	79-124	0	20
m,p-Xylenes	21.1	20.0	106	20.8	20.0	104	75-131	1	20
o-Xylene	10.3	10.0	103	9.98	10.0	100	78-122	3	20
Styrene	10.8	10.0	108	10.5	10.0	105	80-126	3	20
Isopropylbenzene	10.3	10.0	103	10.1	10.0	101	75-126	2	20
Bromobenzene	11.4	10.0	114	11.2	10.0	112	82-122	2	20
1,2,3-Trichloropropane	11.8	10.0	118	10.6	10.0	106	77-118	10	20
n-Propylbenzene	10.7	10.0	107	10.5	10.0	105	75-129	2	20
2-Chlorotoluene	10.7	10.0	107	10.2	10.0	102	77-126	4	20
4-Chlorotoluene	11.0	10.0	110	10.4	10.0	104	82-120	6	20
1,3,5-Trimethylbenzene	10.7	10.0	107	10.4	10.0	104	75-130	3	20
tert-Butylbenzene	10.7	10.0	107	10.2	10.0	102	73-130	4	20
1,2,4-Trimethylbenzene	10.8	10.0	108	10.2	10.0	102	60-137	5	20
sec-Butylbenzene	10.1	10.0	101	9.67	10.0	97	68-131	4	20
1,3-Dichlorobenzene	11.0	10.0	110	10.2	10.0	102	71-137	7	20
4-Isopropyltoluene	10.9	10.0	109	10.4	10.0	104	68-134	5	20
Bromoform	9.90	10.0	99	10.3	10.0	103	70-118	3	20
1,1,2,2-Tetrachloroethane	11.4	10.0	114	11.8	10.0	118	72-122	4	20
1,4-Dichlorobenzene	10.0	10.0	100	10.2	10.0	102	82-114	1	20
1,2-Dichlorobenzene	9.88	10.0	99	9.59	10.0	96	81-118	3	20
n-Butylbenzene	10.2	10.0	102	10.1	10.0	101	71-125	1	20
1,2-Dibromo-3-chloropropane	12.2	10.0	122	10.5	10.0	105	55-131	15	20
1,2,4-Trichlorobenzene	10.2	10.0	102	9.92	10.0	99	75-123	3	20
Hexachlorobutadiene	10.7	10.0	107	10.8	10.0	108	63-140	1	20
Naphthalene	10.1	10.0	101	9.87	10.0	99	67-125	2	20
1,2,3-Trichlorobenzene	11.4	10.0	114	11.4	10.0	114	72-124	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 2, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 18, 2003. For your reference, these analyses have been assigned our service request number L2300617.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

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NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000044

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300617

Sample Name :	Lab Code :
Laboratory Control Sample	L2300324-LCS
Method Blank	L2300324-MB
AVB112-0100-02129	L2300617-001
AVB112-0100-02129	L2300617-001S
AVB112-0100-02129	L2300617-001SD
AVB18-0100-19101	L2300617-002
AVB12-0100-19102	L2300617-003
AVB14-0100-18102	L2300617-004
AVB14-0104-1000	L2300617-005

Approved By: _____ Date: 4/2/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300617
Date Collected : 03/18/03
Date Received : 03/18/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB112-0100-02129
Lab Code : L2300617-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	375	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB112-0100-02129	**Units :**	ug/L (ppb)
Lab Code :	L2300617-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000047

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB18-0100-19101	**Units :**	ug/L (ppb)
Lab Code :	L2300617-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000048

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB18-0100-19101	**Units :**	ug/L (ppb)
Lab Code :	L2300617-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB12-0100-19102	**Units :**	ug/L (ppb)
Lab Code :	L2300617-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB12-0100-19102	**Units :**	ug/L (ppb)
Lab Code :	L2300617-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000051

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB14-0100-18102	**Units :**	ug/L (ppb)
Lab Code :	L2300617-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB14-0100-18102	**Units :**	ug/L (ppb)
Lab Code :	L2300617-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000053

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB14-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300617-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000054

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300617
Project Name :	WVB	**Date Collected :**	03/18/03
Project No. :	03103154	**Date Received :**	03/18/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB14-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300617-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000055

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300617
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300324-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000056

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300617
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03
Date Analyzed : 03/27/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300324-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	512	102	87-111	

000057

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300617
Date Collected : 03/18/03
Date Received : 03/18/03
Date Extracted : 03/24/03
Date Analyzed : 03/27/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB112-0100-02129
Lab Code : L2300617-001S L2300617-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	375	817	814	88	88	87-105	<1	

000058

Columbia Analytical Services INC.
An Employee - Owned Company

L2300617

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-18-03 PAGE 1 OF 1

PROJECT NAME WVB #13103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Be+K

PHONE/FAX

SAMPLER'S SIGNATURE

NUMBER OF CONTAINERS

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB12-0100-02129	3-18-03	7:20	~~234~~-001	AQ	HCl HNO3	5		3											1	1			
AVB18-0100-19101	"	9:35	002	"	"	5		3											1	1			
AVB12-0100-19102	"	10:45	003	"	"	5		3											1	1			
AVB14-0100-18102	"		004	"	"	5		3											1	1			
AVB14-0104-1000	"		005	"	"	5		3											1	1			
~~AVB14-0102-1000~~	~~"~~	~~—~~	~~006~~	~~"~~	~~HCl~~	~~1~~		~~1~~	LK														

SPECIAL INSTRUCTIONS/COMMENTS:

SAMPLE RECEIPT

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed Ex

Shipping #:

Condition:

Lab No: X2300234

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Be+K	3-18-03 1240	Leslie May	CAS	3-18-03 1240
Leslie May	CAS	3-19-03 1600	Fedex		
Fedex				CAS	3/20/03 0845

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300617 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL ____

Golden State Overnight ____ Fed X ✓ - TRK# 7902 3661 0259 UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-500ml Pl (NP) A
1-500ml Pl (HNO3) B

Comments Filter & preserve diss metals bottle in lab

Initials, Date, Time LK 3/20/03 1815 3/20/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000060

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-18-03 PAGE 1 OF 1

PROJECT NAME WVB #13103154
PROJECT MANAGER Chuck Gordon
COMPANY/ADDRESS Beck
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	ANALYSIS REQUESTED: BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB112-0100-02129	3.18.03	1:20	234-001	AQ	HCl 6/18/03	5		3											1	1			
AVB18-0100-19101	"	9:35	002	"	"	5		3											1	1			
AVB12-0100-19102	"	10:45	003	"	"	5		3											1	1			
AVB14-0100-18102	"		004	"	"	5		3											1	1			
AVB14-0104-1000	"		005	"	"	5		3											1	1			
AVB14-0102-1000	"	—	006	"	HCl	1		1															

000061

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#
Bill To

SAMPLE RECEIPT:

Shipping VIA:
Shipping #:
Condition:
Lab No: 2300234

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beck	3.18.03 1240	Leslie May	CAS	3-18-03 1240
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0234

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE+K Project Name: WVOA

Sample(s) Received on: 3-18-03 date 1235 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH (STANDARD)
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐ No ☑
3. Are the signature and date correct?	Yes ☑ No ☐
4. Did all containers arrive in good condition?	Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑ No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.9°C	

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): _____

Columbia Analytical Services INC.
An Employee-Owned Company

April 18, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the revised Total Chromium and Dissolved Chromium report pages for the samples originally submitted to our laboratory on March 19, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300634). For your reference, the 8260 analyses have been assigned our service request number X2300240.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300240
Project:	WVB / #03103154	**Date Received:**	3/19/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Matrix spike (XWG0300420-1 and XWG0300420-2) recovery of Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride, Method 8260B, was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300420-1 and XWG0300420-2) recovery of Dibromomethane and Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300420-3 and XWG0300420-4) RPD for 2-Butanone (MEK) and 1,2-Dibromo-3-chloropropane, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by JKD **Date** 4-7-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#0310-3154

Service Request: X2300240

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB10-0102-1000	X2300240-001	03/19/2003	03/19/2003
AVB10-0100-19115	X2300240-002	03/19/2003	03/19/2003
AVB10-0104-1000	X2300240-003	03/19/2003	03/19/2003
AVB10-0200-18280	X2300240-004	03/19/2003	03/19/2003
AVB61-0100-14450	X2300240-005	03/19/2003	03/19/2003
AVB61-0101-14450	X2300240-006	03/19/2003	03/19/2003
AVB10-0104-1000MS	XWG0300420-1	03/19/2003	03/19/2003
AVB10-0104-1000DMS	XWG0300420-2	03/19/2003	03/19/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-7-03
Title: Lab Manager

000007

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0102-1000
Lab Code: X2300240-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0102-1000
Lab Code: X2300240-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0102-1000
Lab Code: X2300240-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/29/03	
Toluene-d8	100	68-126	03/29/03	
4-Bromofluorobenzene	96	79-113	03/29/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0100-19115
Lab Code: X2300240-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	**2.3**		1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	**1.7**		0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	**1.1**		1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**6.6**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0100-19115
Lab Code: X2300240-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**47**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0100-19115
Lab Code: X2300240-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	99	84-113	03/29/03	
Toluene-d8	106	68-126	03/29/03	
4-Bromofluorobenzene	91	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000014

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/29/03	
Toluene-d8	102	68-126	03/29/03	
4-Bromofluorobenzene	93	79-113	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0200-18280
Lab Code: X2300240-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	**13**		1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	**0.76**		0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	**0.73**		0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**16**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0200-18280
Lab Code: X2300240-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**49**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB10-0200-18280
Lab Code: X2300240-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	03/29/03	
Toluene-d8	106	68-126	03/29/03	
4-Bromofluorobenzene	92	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0100-14450
Lab Code: X2300240-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0100-14450
Lab Code: X2300240-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0100-14450
Lab Code: X2300240-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/29/03	
Toluene-d8	102	68-126	03/29/03	
4-Bromofluorobenzene	91	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0101-14450
Lab Code: X2300240-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0101-14450
Lab Code: X2300240-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB61-0101-14450
Lab Code: X2300240-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	03/29/03	
Toluene-d8	102	68-126	03/29/03	
4-Bromofluorobenzene	93	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/29/03	
Toluene-d8	105	68-126	03/29/03	
4-Bromofluorobenzene	94	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB10-0102-1000	X2300240-001	102	100	96
AVB10-0100-19115	X2300240-002	99	106	91
AVB10-0104-1000	X2300240-003	101	102	93
AVB10-0200-18280	X2300240-004	98	106	92
AVB61-0100-14450	X2300240-005	101	102	91
AVB61-0101-14450	X2300240-006	100	102	93
Method Blank	XWG0300420-5	101	105	94
AVB10-0104-1000MS	XWG0300420-1	101	109	97
AVB10-0104-1000DMS	XWG0300420-2	101	99	98
Lab Control Sample	XWG0300420-3	100	103	95
Duplicate Lab Control Sample	XWG0300420-4	101	105	98

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	AVB10-0104-1000MS XWG0300420-1 Matrix Spike Result	Expected	%Rec	AVB10-0104-1000DMS XWG0300420-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	3.56	10.0	36 M2	3.30	10.0	33 M2	78-207	8	20
Chloromethane	ND	5.95	10.0	60 M2	5.19	10.0	52 M2	70-157	14	20
Vinyl Chloride	ND	7.09	10.0	71 M2	6.37	10.0	64 M2	79-174	11	20
Bromomethane	ND	6.60	10.0	66	5.98	10.0	60	44-150	10	20
Chloroethane	ND	9.17	10.0	92	8.67	10.0	87	74-150	6	20
Trichlorofluoromethane	ND	8.75	10.0	88	8.23	10.0	82	80-134	6	20
1,1,2-Trichlorotrifluoroethane	ND	10.3	10.0	103	9.94	10.0	99	67-128	4	20
1,1-Dichloroethene	ND	9.09	10.0	91	8.95	10.0	90	71-142	2	20
Acetone	ND	40.6	40.0	102	36.2	40.0	90	1-155	12	20
Iodomethane	ND	33.1	40.0	83	31.4	40.0	78	47-120	5	20
Carbon Disulfide	ND	39.8	40.0	100	38.6	40.0	97	77-126	3	20
Methylene Chloride	ND	9.55	10.0	96	9.55	10.0	96	83-106	0	20
Methyl tert-Butyl Ether	ND	8.56	10.0	86	8.85	10.0	89	70-118	3	20
trans-1,2-Dichloroethene	ND	10.2	10.0	102	10.3	10.0	103	86-115	0	20
1,1-Dichloroethane	ND	10.8	10.0	108	10.7	10.0	107	77-127	1	20
Vinyl Acetate	ND	41.8	40.0	105	44.0	40.0	110	8-187	5	20
2,2-Dichloropropane	ND	10.3	10.0	103	10.2	10.0	102	25-154	1	20
2-Butanone (MEK)	ND	37.6	40.0	94	38.0	40.0	95	90-112	1	20
cis-1,2-Dichloroethene	ND	9.80	10.0	98	9.67	10.0	97	69-118	1	20
Bromochloromethane	ND	10.8	10.0	108	10.6	10.0	106	47-136	1	20
Chloroform	ND	10.6	10.0	106	10.4	10.0	104	48-143	2	20
1,1,1-Trichloroethane	ND	8.91	10.0	89	8.84	10.0	88	84-122	1	20
Carbon Tetrachloride	ND	9.82	10.0	98	9.62	10.0	96	79-120	2	20
1,1-Dichloropropene	ND	9.75	10.0	98	9.77	10.0	98	85-117	0	20
Benzene	ND	9.84	10.0	98	9.46	10.0	95	88-114	4	20
1,2-Dichloroethane	ND	10.3	10.0	103	10.3	10.0	103	75-112	0	20
Trichloroethene	ND	10.3	10.0	103	10.2	10.0	102	76-115	2	20
1,2-Dichloropropane	ND	10.4	10.0	104	10.4	10.0	104	85-107	0	20
Dibromomethane	ND	10.6	10.0	106	10.7	10.0	107 M1	82-106	1	20
Bromodichloromethane	ND	9.63	10.0	96	9.30	10.0	93	83-107	3	20
cis-1,3-Dichloropropene	ND	10.9	10.0	109	10.6	10.0	106	70-114	3	20
4-Methyl-2-pentanone (MIBK)	ND	41.3	40.0	103	34.8	40.0	87	54-129	17	20
Toluene	ND	10.6	10.0	106	9.81	10.0	98	86-114	8	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	AVB10-0104-1000MS XWG0300420-1 Matrix Spike			AVB10-0104-1000DMS XWG0300420-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	10.4	10.0	104	10.1	10.0	101	73-112	3	20
1,1,2-Trichloroethane	ND	10.1	10.0	101	9.23	10.0	92	79-112	9	20
Tetrachloroethene	ND	10.4	10.0	104	9.49	10.0	95	78-130	10	20
2-Hexanone	ND	37.7	40.0	94	36.5	40.0	91	77-112	3	20
1,3-Dichloropropane	ND	10.1	10.0	101	9.43	10.0	94	45-133	7	20
Dibromochloromethane	ND	10.3	10.0	103	9.49	10.0	95	74-108	8	20
1,2-Dibromoethane	ND	9.58	10.0	96	9.43	10.0	94	73-113	2	20
Chlorobenzene	ND	10.2	10.0	102	9.97	10.0	100	84-111	2	20
1,1,1,2-Tetrachloroethane	ND	9.84	10.0	98	9.75	10.0	98	84-119	1	20
Ethylbenzene	ND	10.8	10.0	108	10.3	10.0	103	47-136	4	20
m,p-Xylenes	ND	21.6	20.0	108	20.8	20.0	104	84-120	4	20
o-Xylene	ND	10.3	10.0	103	9.87	10.0	99	47-143	4	20
Styrene	ND	10.5	10.0	105	10.6	10.0	106	72-121	0	20
Isopropylbenzene	ND	10.3	10.0	103	10.1	10.0	101	63-108	1	20
Bromobenzene	ND	10.7	10.0	107	11.1	10.0	111	80-113	4	20
1,2,3-Trichloropropane	ND	9.50	10.0	95	10.6	10.0	106	78-119	11	20
n-Propylbenzene	ND	10.7	10.0	107	10.6	10.0	106	76-117	1	20
2-Chlorotoluene	ND	10.2	10.0	102	10.4	10.0	104	79-121	2	20
4-Chlorotoluene	ND	10.6	10.0	106	10.7	10.0	107	70-133	0	20
1,3,5-Trimethylbenzene	ND	10.4	10.0	104	10.7	10.0	107	79-118	3	20
tert-Butylbenzene	ND	10.4	10.0	104	10.5	10.0	105	77-120	1	20
1,2,4-Trimethylbenzene	ND	10.4	10.0	104	10.7	10.0	107	68-127	3	20
sec-Butylbenzene	ND	9.85	10.0	99	10.0	10.0	100	78-123	2	20
1,3-Dichlorobenzene	ND	10.2	10.0	102	10.5	10.0	105	78-127	3	20
4-Isopropyltoluene	ND	10.4	10.0	104	10.9	10.0	109	79-142	4	20
Bromoform	ND	9.67	10.0	97	9.63	10.0	96	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	10.6	10.0	106	10.8	10.0	108	66-133	2	20
1,4-Dichlorobenzene	ND	9.83	10.0	98	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	9.51	10.0	95	9.79	10.0	98	64-109	3	20
n-Butylbenzene	ND	10.4	10.0	104	10.4	10.0	104	69-122	0	20
1,2-Dibromo-3-chloropropane	ND	10.9	10.0	109	12.1	10.0	121	54-160	10	20
1,2,4-Trichlorobenzene	ND	9.96	10.0	100	10.0	10.0	100	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.6	10.0	116 M1	74-113	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB10-0104-1000
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	AVB10-0104-1000MS XWG0300420-1 Matrix Spike			AVB10-0104-1000DMS XWG0300420-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.51	10.0	95	10.3	10.0	103	44-167	8	20
1,2,3-Trichlorobenzene	ND	11.1	10.0	111	11.5	10.0	115	37-158	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300420

	Lab Control Sample XWG0300420-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300420-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.61	10.0	36	3.37	10.0	34	1-233	7	20
Chloromethane	6.22	10.0	62	6.32	10.0	63	46-156	2	20
Vinyl Chloride	6.98	10.0	70	7.13	10.0	71	51-158	2	20
Bromomethane	6.53	10.0	65	7.01	10.0	70	37-149	7	20
Chloroethane	8.97	10.0	90	9.32	10.0	93	56-146	4	20
Trichlorofluoromethane	8.72	10.0	87	8.55	10.0	86	69-139	2	20
1,1,2-Trichlorotrifluoroethane	10.5	10.0	105	10.4	10.0	104	83-130	1	20
1,1-Dichloroethene	9.23	10.0	92	9.22	10.0	92	65-112	0	20
Acetone	42.0	40.0	105	42.5	40.0	106	68-128	1	20
Iodomethane	32.4	40.0	81	34.6	40.0	87	68-144	6	20
Carbon Disulfide	40.2	40.0	101	40.5	40.0	101	67-140	1	20
Methylene Chloride	10.2	10.0	102	10.5	10.0	105	70-113	3	20
Methyl tert-Butyl Ether	9.03	10.0	90	9.31	10.0	93	75-115	3	20
trans-1,2-Dichloroethene	10.1	10.0	101	10.1	10.0	101	73-118	1	20
1,1-Dichloroethane	10.6	10.0	106	10.7	10.0	107	77-127	1	20
Vinyl Acetate	43.7	40.0	109	42.6	40.0	107	51-202	3	39
2,2-Dichloropropane	10.0	10.0	100	9.90	10.0	99	75-132	1	20
2-Butanone (MEK)	35.5	40.0	89	47.3	40.0	118	72-122	28 R7	20
cis-1,2-Dichloroethene	9.71	10.0	97	9.69	10.0	97	81-118	0	20
Bromochloromethane	10.8	10.0	108	11.4	10.0	114	82-114	6	20
Chloroform	10.6	10.0	106	10.5	10.0	105	78-119	0	20
1,1,1-Trichloroethane	8.96	10.0	90	8.72	10.0	87	71-125	3	20
Carbon Tetrachloride	9.37	10.0	94	9.35	10.0	94	69-130	0	20
1,1-Dichloropropene	9.91	10.0	99	9.77	10.0	98	77-114	1	20
Benzene	9.59	10.0	96	9.53	10.0	95	81-117	1	20
1,2-Dichloroethane	10.2	10.0	102	10.4	10.0	104	67-122	3	20
Trichloroethene	10.0	10.0	100	10.3	10.0	103	79-114	3	20
1,2-Dichloropropane	10.4	10.0	104	10.4	10.0	104	78-114	0	20
Dibromomethane	10.9	10.0	109	10.9	10.0	109	78-113	0	20
Bromodichloromethane	9.67	10.0	97	9.77	10.0	98	79-122	1	20
cis-1,3-Dichloropropene	11.2	10.0	112	11.5	10.0	115	82-118	3	20
4-Methyl-2-pentanone (MIBK)	43.9	40.0	110	41.0	40.0	102	75-115	7	20
Toluene	10.5	10.0	105	10.4	10.0	104	85-118	1	20
trans-1,3-Dichloropropene	11.3	10.0	113	10.9	10.0	109	79-121	3	20
1,1,2-Trichloroethane	10.1	10.0	101	10.1	10.0	101	79-116	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300240
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300420

	Lab Control Sample XWG0300420-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300420-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.3	10.0	103	10.3	10.0	103	76-127	0	20
2-Hexanone	40.8	40.0	102	41.1	40.0	103	65-120	1	20
1,3-Dichloropropane	10.2	10.0	102	10.4	10.0	104	81-116	2	20
Dibromochloromethane	10.2	10.0	102	10.7	10.0	107	77-119	5	20
1,2-Dibromoethane	10.4	10.0	104	10.7	10.0	107	79-116	3	20
Chlorobenzene	10.1	10.0	101	9.90	10.0	99	84-114	2	20
1,1,1,2-Tetrachloroethane	9.60	10.0	96	9.68	10.0	97	78-118	1	20
Ethylbenzene	10.4	10.0	104	10.3	10.0	103	79-124	0	20
m,p-Xylenes	20.9	20.0	105	21.0	20.0	105	75-131	1	20
o-Xylene	10.3	10.0	103	10.2	10.0	102	78-122	0	20
Styrene	10.6	10.0	106	10.5	10.0	105	80-126	1	20
Isopropylbenzene	10.2	10.0	102	10.2	10.0	102	75-126	0	20
Bromobenzene	11.1	10.0	111	11.3	10.0	113	82-122	2	20
1,2,3-Trichloropropane	10.4	10.0	104	11.0	10.0	110	77-118	6	20
n-Propylbenzene	10.6	10.0	106	10.5	10.0	105	75-129	1	20
2-Chlorotoluene	10.1	10.0	101	10.4	10.0	104	77-126	3	20
4-Chlorotoluene	10.5	10.0	105	10.7	10.0	107	82-120	2	20
1,3,5-Trimethylbenzene	10.2	10.0	102	10.5	10.0	105	75-130	3	20
tert-Butylbenzene	10.4	10.0	104	10.6	10.0	106	73-130	1	20
1,2,4-Trimethylbenzene	10.3	10.0	103	10.7	10.0	107	60-137	3	20
sec-Butylbenzene	9.65	10.0	97	9.92	10.0	99	68-131	3	20
1,3-Dichlorobenzene	10.2	10.0	102	10.7	10.0	107	71-137	5	20
4-Isopropyltoluene	10.1	10.0	101	10.6	10.0	106	68-134	4	20
Bromoform	10.1	10.0	101	10.1	10.0	101	70-118	0	20
1,1,2,2-Tetrachloroethane	11.3	10.0	113	11.1	10.0	111	72-122	1	20
1,4-Dichlorobenzene	9.94	10.0	99	9.96	10.0	100	82-114	0	20
1,2-Dichlorobenzene	9.74	10.0	97	10.0	10.0	100	81-118	3	20
n-Butylbenzene	10.0	10.0	100	10.0	10.0	100	71-125	0	20
1,2-Dibromo-3-chloropropane	9.23	10.0	92	12.0	10.0	120	55-131	26 R7	20
1,2,4-Trichlorobenzene	9.65	10.0	97	9.92	10.0	99	75-123	3	20
Hexachlorobutadiene	10.3	10.0	103	10.6	10.0	106	63-140	2	20
Naphthalene	9.64	10.0	96	10.2	10.0	102	67-125	5	20
1,2,3-Trichlorobenzene	10.9	10.0	109	11.1	10.0	111	72-124	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 2, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 19, 2003. For your reference, these analyses have been assigned our service request number L2300634.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 11, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the revised report pages for the samples submitted to our laboratory on March 19, 2003. The sample ID has been revised as per the COC. Please add this cover page and replace the initial report pages 4 & 5 with 4R & 5R. For your reference, these analyses have been assigned our service request number L2300634.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

1R

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Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

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COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154

Service Request : L2300634

Sample Name :	Lab Code :
Laboratory Control Sample	L2300324-LCS
Method Blank	L2300324-MB
Batch QC	L2300617-001S
Batch QC	L2300617-001SD
AVB10-0102-19115	L2300634-001
AVB10-0104-1000	L2300634-002
AVB10-0200-18280	L2300634-003
AVB61-0100-14450	L2300634-004
AVB61-0101-14450	L2300634-005

Approved By: Sue Anderson 3 Date: 4/2/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300634
Date Collected : 03/19/03
Date Received : 03/19/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB10-0100-19115
Lab Code : L2300634-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	33	

4R

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300634
Date Collected : 03/19/03
Date Received : 03/19/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB10-0100-19115
Lab Code : L2300634-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

5R

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB10-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300634-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB10-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300634-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000041

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB10-0200-18280	**Units :**	ug/L (ppb)
Lab Code :	L2300634-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300634
Date Collected : 03/19/03
Date Received : 03/19/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB10-0200-18280
Lab Code : L2300634-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB61-0100-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300634-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	168	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB61-0100-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300634-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB61-0101-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300634-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	293	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	03/19/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/24/03

Dissolved Metals

Sample Name :	AVB61-0101-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300634-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000047

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300634
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300324-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/27/03	ND	

000048

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300634
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/24/03
		Date Analyzed :	03/27/03

Laboratory Control Sample Summary
Total Metals

Sample Name :	Laboratory Control Sample	**Units :**	ug/L (ppb)
Lab Code :	L2300324-LCS	**Basis :**	NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	512	102	87-111	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300634
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03
Date Analyzed : 03/27/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2300617-001S L2300617-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	375	817	814	88	88	87-105	<1	

000050

Columbia Analytical Services, Inc.
An Employee - Owned Company

L2300634

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-19-03 PAGE 1 OF 1

PROJECT NAME WVBA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS BE2K/ Tucson

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Cr	Dissolved Cr			REMARKS
AVB10-0102-1000	3-19-03		~~240-001~~	W		1		X															
AVB10-0100-19115	"	9:00	(1) ~~002~~	W		5		X											X	X			
AVB10-0104-1000	"	10:00	(2) ~~003~~	W		5		X											X	X			
AVB10-0200-18280	"	11:30	(3) ~~004~~	W		5		X											X	X			
AVB61-0100-14450	"	15:40	(4) ~~005~~	W		5		X											X	X			
AVB61-0101-14450	"	15:40	(5) 006	W		5		X											X	X			

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr requires lab filtering

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X2300240

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE2K	3-19-03 1625	Tracy Dutton	CAS	3-19-03 16 25
Leslie May	CAS	3-20-03 1600	Fedex		
Fedex				CAS	3/21/03 0900

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

000051

SAMPLE RECEIPT FORM

Service Request No: L2300634 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 2 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK none ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-500ml P/(NP)A
1-500ml P/(HNO3)B

Comments ____

Initials, Date, Time LK 3/21/03 1008 JW 3/21/03

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Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-19-03 PAGE 1 OF 1

PROJECT NAME AVBA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS BE2K/ Tucson

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Cr.	Dissolved Cr.			REMARKS
AVB10-0102-1000	3-19-03		240-001	W		1		X															
AVB10-0100-19115	"	9:00	002	W		5		X											X	X			
AVB10-0104-1000	"	10:00	003	W		5		X											X	X			
AVB10-0200-18280	"	11:30	004	W		5		X											X	X			
AVB61-0100-14450	"	15:40	005	W		5		X											X	X			
AVB61-0101-14450	"	15:40	006	W		5		X											X	X			

000053

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr requires lab filtering

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300246

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE2K	3-19-03 1625	Tracy Dutton	CAS	3-19-03 1625
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 02 70

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE+K Project Name: WVBA

Sample(s) Received on: 3/19/03 date 1625 time
VOA's ☑ Glass Bottles ☑ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☐	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 1.2°C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): MD

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Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

April 9, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 21, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300647). For your reference, the 8260 analyses have been assigned our service request number X2300260.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300260
Project:	WVBA / #0310-3154	**Date Received:**	3/21/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery of Dichlorodiflluoromethane, Method 8260B, was below method acceptance limits on 4/1/03. This compound ws seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

The associated blank spike (XWG0300433-1) recovery of 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloropropene, Method 8260B was aboe labortory acceptance limits. These compounds were not detected in any of the samples analyzed in this atch.

Surrogate recovery of Dibromofluoromethane, Method 8260, was above laboratory acceptance limits for sample AVB77-0200-07210 (X2300260-004), but within method acceptance limits. No target analytes were detected in the sample.

Matrix spike (XWG0300433-4 and XWG0300433-5) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Approved by _____ **Date** 4-10-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVBA/#0310-3154

Service Request: X2300260

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB69-0102-1000	X2300260-001	03/21/2003	03/21/2003
AVB69-0100-07270	X2300260-002	03/21/2003	03/21/2003
AVB69-0104-1000	X2300260-003	03/21/2003	03/21/2003
AVB77-0200-07210	X2300260-004	03/21/2003	03/21/2003
AVB68-0400-06270	X2300260-005	03/21/2003	03/21/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-10-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0102-1000
Lab Code: X2300260-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

000008

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0102-1000
Lab Code: X2300260-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0102-1000
Lab Code: X2300260-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	113	84-113	04/01/03	
Toluene-d8	113	68-126	04/01/03	
4-Bromofluorobenzene	103	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0100-07270
Lab Code: X2300260-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0100-07270
Lab Code: X2300260-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0100-07270
Lab Code: X2300260-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	111	84-113	04/01/03	
Toluene-d8	112	68-126	04/01/03	
4-Bromofluorobenzene	103	79-113	04/01/03	

Comments:

000013

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0104-1000
Lab Code: X2300260-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0104-1000
Lab Code: X2300260-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB69-0104-1000
Lab Code: X2300260-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	111	84-113	04/01/03	
Toluene-d8	114	68-126	04/01/03	
4-Bromofluorobenzene	105	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0200-07210
Lab Code: X2300260-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0200-07210
Lab Code: X2300260-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0200-07210
Lab Code: X2300260-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	114	84-113	04/01/03	S3
Toluene-d8	114	68-126	04/01/03	
4-Bromofluorobenzene	105	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB68-0400-06270
Lab Code: X2300260-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB68-0400-06270
Lab Code: X2300260-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB68-0400-06270
Lab Code: X2300260-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	04/01/03	
Toluene-d8	112	68-126	04/01/03	
4-Bromofluorobenzene	104	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300433-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300433-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300433-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	04/01/03	
Toluene-d8	107	68-126	04/01/03	
4-Bromofluorobenzene	100	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB69-0102-1000	X2300260-001	113	113	103
AVB69-0100-07270	X2300260-002	111	112	103
AVB69-0104-1000	X2300260-003	111	114	105
AVB77-0200-07210	X2300260-004	114 S3	114	105
AVB68-0400-06270	X2300260-005	112	112	104
Method Blank	XWG0300433-3	112	107	100
Batch QC	X2300248-003	112	113	104
Batch QCMS	XWG0300433-4	110	114	107
Batch QCDMS	XWG0300433-5	107	110	105
Lab Control Sample	XWG0300433-1	111	110	106
Duplicate Lab Control Sample	XWG0300433-2	107	110	106

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300248-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300433

Analyte Name	Sample Result	Batch QCMS XWG0300433-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300433-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	27.9	10.0	279 M1	27.0	10.0	270 M1	78-207	3	20
Chloromethane	ND	16.9	10.0	169 M1	16.0	10.0	160 M1	70-157	5	20
Vinyl Chloride	ND	19.3	10.0	193 M1	18.4	10.0	184 M1	79-174	5	20
Bromomethane	ND	9.69	10.0	97	9.49	10.0	95	44-150	2	20
Chloroethane	ND	15.9	10.0	159 M1	14.8	10.0	148	74-150	7	20
Trichlorofluoromethane	ND	17.9	10.0	179 M1	17.3	10.0	173 M1	80-134	3	20
1,1,2-Trichlorotrifluoroethane	ND	15.1	10.0	151 M1	14.5	10.0	145 M1	67-128	4	20
1,1-Dichloroethene	ND	12.7	10.0	127	12.3	10.0	123	71-142	3	20
Acetone	ND	38.9	40.0	97	42.2	40.0	106	1-155	8	20
Iodomethane	ND	35.7	40.0	89	37.2	40.0	93	47-120	4	20
Carbon Disulfide	ND	57.5	40.0	144 M1	55.4	40.0	139 M1	77-126	4	20
Methylene Chloride	ND	11.1	10.0	111 M1	10.8	10.0	108 M1	83-106	3	20
Methyl tert-Butyl Ether	ND	10.8	10.0	108	10.6	10.0	106	70-118	2	20
trans-1,2-Dichloroethene	ND	11.8	10.0	118 M1	11.5	10.0	115	86-115	3	20
1,1-Dichloroethane	ND	12.7	10.0	127	12.3	10.0	123	77-127	4	20
Vinyl Acetate	ND	60.6	40.0	151	60.2	40.0	150	8-187	1	20
2,2-Dichloropropane	ND	14.5	10.0	145	13.9	10.0	139	25-154	5	20
2-Butanone (MEK)	ND	44.1	40.0	110	43.6	40.0	109	90-112	1	20
cis-1,2-Dichloroethene	ND	10.9	10.0	109	10.7	10.0	107	69-118	2	20
Bromochloromethane	ND	9.52	10.0	95	9.35	10.0	94	47-136	2	20
Chloroform	ND	12.2	10.0	122	11.8	10.0	118	48-143	3	20
1,1,1-Trichloroethane	ND	14.1	10.0	141 M1	13.6	10.0	136 M1	84-122	4	20
Carbon Tetrachloride	ND	14.9	10.0	149 M1	14.3	10.0	143 M1	79-120	4	20
1,1-Dichloropropene	ND	13.9	10.0	139 M1	13.3	10.0	133 M1	85-117	4	20
Benzene	ND	12.4	10.0	124 M1	11.8	10.0	118 M1	88-114	5	20
1,2-Dichloroethane	ND	11.4	10.0	114 M1	11.1	10.0	111	75-112	3	20
Trichloroethene	ND	12.1	10.0	121 M1	11.7	10.0	117 M1	76-115	3	20
1,2-Dichloropropane	ND	11.5	10.0	115 M1	11.0	10.0	110 M1	85-107	4	20
Dibromomethane	ND	10.5	10.0	105	10.1	10.0	101	82-106	3	20
Bromodichloromethane	ND	11.6	10.0	116 M1	11.3	10.0	113 M1	83-107	3	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	10.3	10.0	103	70-114	7	20
4-Methyl-2-pentanone (MIBK)	ND	37.8	40.0	95	37.5	40.0	94	54-129	1	20
Toluene	ND	12.4	10.0	124 M1	12.0	10.0	120 M1	86-114	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300248-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300433

Analyte Name	Sample Result	Batch QCMS XWG0300433-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300433-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	11.1	10.0	111	10.7	10.0	107	73-112	3	20
1,1,2-Trichloroethane	ND	10.8	10.0	108	10.6	10.0	106	79-112	2	20
Tetrachloroethene	ND	11.9	10.0	119	11.5	10.0	115	78-130	3	20
2-Hexanone	ND	45.2	40.0	113 M1	44.2	40.0	110	77-112	2	20
1,3-Dichloropropane	ND	11.4	10.0	114	11.0	10.0	110	45-133	3	20
Dibromochloromethane	ND	10.2	10.0	102	10.2	10.0	102	74-108	1	20
1,2-Dibromoethane	ND	10.4	10.0	104	10.2	10.0	102	73-113	2	20
Chlorobenzene	ND	10.7	10.0	107	10.5	10.0	105	84-111	2	20
1,1,1,2-Tetrachloroethane	ND	10.4	10.0	104	10.1	10.0	101	84-119	3	20
Ethylbenzene	ND	12.4	10.0	124	12.0	10.0	120	47-136	3	20
m,p-Xylenes	ND	23.6	20.0	118	22.8	20.0	114	84-120	3	20
o-Xylene	ND	11.1	10.0	111	10.8	10.0	108	47-143	3	20
Styrene	ND	10.9	10.0	109	10.7	10.0	107	72-121	2	20
Isopropylbenzene	ND	12.3	10.0	123 M1	11.9	10.0	119 M1	63-108	3	20
Bromobenzene	ND	10.3	10.0	103	10.1	10.0	101	80-113	2	20
1,2,3-Trichloropropane	ND	11.2	10.0	112	10.9	10.0	109	78-119	2	20
n-Propylbenzene	ND	12.9	10.0	129 M1	12.6	10.0	126 M1	76-117	2	20
2-Chlorotoluene	ND	12.4	10.0	124 M1	12.0	10.0	120	79-121	3	20
4-Chlorotoluene	ND	11.9	10.0	119	11.6	10.0	116	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.7	10.0	117	79-118	3	20
tert-Butylbenzene	ND	12.9	10.0	129 M1	12.4	10.0	124 M1	77-120	4	20
1,2,4-Trimethylbenzene	ND	11.8	10.0	118	11.5	10.0	115	68-127	2	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.5	10.0	125 M1	78-123	3	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.3	10.0	103	78-127	3	20
4-Isopropyltoluene	ND	13.3	10.0	133	12.6	10.0	126	79-142	5	20
Bromoform	ND	9.69	10.0	97	9.52	10.0	95	83-111	2	20
1,1,2,2-Tetrachloroethane	ND	11.1	10.0	111	10.7	10.0	107	66-133	3	20
1,4-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	48-139	1	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	64-109	2	20
n-Butylbenzene	ND	13.3	10.0	133 M1	12.7	10.0	127 M1	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	9.75	10.0	98	10.6	10.0	106	54-160	8	20
1,2,4-Trichlorobenzene	ND	10.1	10.0	101	9.84	10.0	98	39-145	3	20
Hexachlorobutadiene	ND	12.7	10.0	127 M1	12.1	10.0	121 M1	74-113	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000028

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300248-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300433

Analyte Name	Sample Result	Batch QCMS XWG0300433-4 Matrix Spike			Batch QCDMS XWG0300433-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.93	10.0	99	10.0	10.0	100	44-167	1	20
1,2,3-Trichlorobenzene	ND	10.2	10.0	102	10.0	10.0	100	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300433

	Lab Control Sample XWG0300433-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300433-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.07	10.0	91	7.46	10.0	75	1-233	19	20
Chloromethane	9.86	10.0	99	9.02	10.0	90	46-156	9	20
Vinyl Chloride	12.3	10.0	123	11.0	10.0	110	51-158	12	20
Bromomethane	7.99	10.0	80	7.73	10.0	77	37-149	3	20
Chloroethane	12.0	10.0	120	11.3	10.0	113	56-146	6	20
Trichlorofluoromethane	13.9	10.0	139	12.1	10.0	121	69-139	14	20
1,1,2-Trichlorotrifluoroethane	14.1	10.0	141 L1	11.9	10.0	119	83-130	17	20
1,1-Dichloroethene	10.8	10.0	108	9.81	10.0	98	65-112	9	20
Acetone	40.7	40.0	102	42.6	40.0	106	68-128	4	20
Iodomethane	31.2	40.0	78	29.9	40.0	75	68-144	4	20
Carbon Disulfide	50.4	40.0	126	46.0	40.0	115	67-140	9	20
Methylene Chloride	11.2	10.0	112	10.7	10.0	107	70-113	5	20
Methyl tert-Butyl Ether	9.79	10.0	98	10.2	10.0	102	75-115	4	20
trans-1,2-Dichloroethene	10.5	10.0	105	9.59	10.0	96	73-118	9	20
1,1-Dichloroethane	12.3	10.0	123	11.5	10.0	115	77-127	7	20
Vinyl Acetate	56.0	40.0	140	55.1	40.0	138	51-202	2	39
2,2-Dichloropropane	12.5	10.0	125	11.4	10.0	114	75-132	9	20
2-Butanone (MEK)	39.5	40.0	99	41.4	40.0	103	72-122	5	20
cis-1,2-Dichloroethene	10.5	10.0	105	10.2	10.0	102	81-118	3	20
Bromochloromethane	9.64	10.0	96	9.52	10.0	95	82-114	1	20
Chloroform	11.8	10.0	118	11.1	10.0	111	78-119	6	20
1,1,1-Trichloroethane	11.9	10.0	119	10.9	10.0	109	71-125	9	20
Carbon Tetrachloride	13.0	10.0	130	11.8	10.0	118	69-130	10	20
1,1-Dichloropropene	12.2	10.0	122 L1	11.1	10.0	111	77-114	9	20
Benzene	11.2	10.0	112	10.7	10.0	107	81-117	5	20
1,2-Dichloroethane	11.4	10.0	114	11.2	10.0	112	67-122	2	20
Trichloroethene	11.0	10.0	110	10.3	10.0	103	79-114	7	20
1,2-Dichloropropane	10.9	10.0	109	10.6	10.0	106	78-114	3	20
Dibromomethane	10.5	10.0	105	10.4	10.0	104	78-113	2	20
Bromodichloromethane	11.2	10.0	112	10.9	10.0	109	79-122	2	20
cis-1,3-Dichloropropene	11.3	10.0	113	11.0	10.0	110	82-118	2	20
4-Methyl-2-pentanone (MIBK)	35.1	40.0	88	37.3	40.0	93	75-115	6	20
Toluene	11.4	10.0	114	11.0	10.0	110	85-118	4	20
trans-1,3-Dichloropropene	11.1	10.0	111	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.3	10.0	103	10.6	10.0	106	79-116	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300260
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300433

	Lab Control Sample XWG0300433-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300433-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.5	10.0	105	10.0	10.0	100	76-127	5	20
2-Hexanone	40.5	40.0	101	43.9	40.0	110	65-120	8	20
1,3-Dichloropropane	10.9	10.0	109	11.0	10.0	110	81-116	1	20
Dibromochloromethane	10.0	10.0	100	9.98	10.0	100	77-119	0	20
1,2-Dibromoethane	10.2	10.0	102	10.4	10.0	104	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.99	10.0	100	84-114	2	20
1,1,1,2-Tetrachloroethane	9.89	10.0	99	9.69	10.0	97	78-118	2	20
Ethylbenzene	11.5	10.0	115	10.9	10.0	109	79-124	5	20
m,p-Xylenes	21.8	20.0	109	21.1	20.0	105	75-131	3	20
o-Xylene	10.4	10.0	104	10.1	10.0	101	78-122	3	20
Styrene	10.9	10.0	109	10.6	10.0	106	80-126	3	20
Isopropylbenzene	11.1	10.0	111	10.4	10.0	104	75-126	6	20
Bromobenzene	10.1	10.0	101	9.95	10.0	100	82-122	2	20
1,2,3-Trichloropropane	10.6	10.0	106	11.0	10.0	110	77-118	4	20
n-Propylbenzene	12.0	10.0	120	11.3	10.0	113	75-129	6	20
2-Chlorotoluene	11.7	10.0	117	11.3	10.0	113	77-126	3	20
4-Chlorotoluene	11.5	10.0	115	11.2	10.0	112	82-120	3	20
1,3,5-Trimethylbenzene	11.4	10.0	114	10.9	10.0	109	75-130	5	20
tert-Butylbenzene	11.8	10.0	118	11.2	10.0	112	73-130	5	20
1,2,4-Trimethylbenzene	11.4	10.0	114	11.0	10.0	110	60-137	3	20
sec-Butylbenzene	11.1	10.0	111	10.6	10.0	106	68-131	5	20
1,3-Dichlorobenzene	10.2	10.0	102	9.99	10.0	100	71-137	2	20
4-Isopropyltoluene	11.9	10.0	119	11.3	10.0	113	68-134	5	20
Bromoform	9.06	10.0	91	9.26	10.0	93	70-118	2	20
1,1,2,2-Tetrachloroethane	10.1	10.0	101	10.4	10.0	104	72-122	3	20
1,4-Dichlorobenzene	10.1	10.0	101	9.94	10.0	99	82-114	1	20
1,2-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	81-118	1	20
n-Butylbenzene	11.7	10.0	117	11.2	10.0	112	71-125	5	20
1,2-Dibromo-3-chloropropane	8.52	10.0	85	10.2	10.0	102	55-131	18	20
1,2,4-Trichlorobenzene	9.34	10.0	93	9.41	10.0	94	75-123	1	20
Hexachlorobutadiene	10.8	10.0	108	10.8	10.0	108	63-140	0	20
Naphthalene	8.92	10.0	89	9.45	10.0	95	67-125	6	20
1,2,3-Trichlorobenzene	9.48	10.0	95	9.74	10.0	97	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 1, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 21, 2003. For your reference, these analyses have been assigned our service request number L2300647.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000033

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154

Service Request : L2300647

Sample Name :	Lab Code :
Laboratory Control Sample	L2300326-LCS
Method Blank	L2300326-MB
Batch QC	L2300620-001S
Batch QC	L2300620-001SD
AVB69-0100-07270	L2300647-001
AVB69-0104-1000	L2300647-002
AVB77-0200-07210	L2300647-003
AVB68-0400-06270	L2300647-004

Approved By: Sue Anderson Date: 4/1/03

000034

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	03/21/03
Project No. :	0310-3154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB69-0100-07270	**Units :**	ug/L (ppb)
Lab Code :	L2300647-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000035

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300647
Date Collected : 03/21/03
Date Received : 03/21/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB69-0100-07270
Lab Code : L2300647-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000036

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300647
Date Collected : 03/21/03
Date Received : 03/21/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB69-0104-1000
Lab Code : L2300647-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300647
Date Collected : 03/21/03
Date Received : 03/21/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB69-0104-1000
Lab Code : L2300647-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000038

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300647
Date Collected : 03/21/03
Date Received : 03/21/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB77-0200-07210
Lab Code : L2300647-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000039

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	03/21/03
Project No. :	0310-3154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB77-0200-07210	**Units :**	ug/L (ppb)
Lab Code :	L2300647-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	03/21/03
Project No. :	0310-3154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB68-0400-06270	**Units :**	ug/L (ppb)
Lab Code :	L2300647-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	15	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	03/21/03
Project No. :	0310-3154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB68-0400-06270	**Units :**	ug/L (ppb)
Lab Code :	L2300647-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300326-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Laboratory Control Sample Summary
Total Metals

Sample Name :	Laboratory Control Sample	**Units :**	ug/L (ppb)
Lab Code :	L2300326-LCS	**Basis :**	NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	532	106	87-111	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300647
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	Batch QC		**Units :**	ug/L (ppb)
Lab Code :	L2300620-001S	L2300620-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	16.2	526	540	102	105	87-105	3	

Columbia Analytical Services INC.
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L2300647

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-21-03 PAGE 1 OF 1

PROJECT NAME WVBA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS OE&K/ Terranext

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Tot'l Cr	Dissolved Cr			REMARKS
LK AVB69-0102-1000	3-21-03		260-001	W		1		X															
AVB69-0100-07270	"	9:00	① 002	W		5		X											X	X			
AVB69-0104-1000 ~~07270~~	"	10:00	② 003	W		5		X											X	X			
AVB77-0200-07210	"	11:15	③ 004	W		5		X											X	X			
AVB68-0400-06270	"	13:15	④ 005	W		5		X											X	X			
GT																							

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr Requires Lab Filtering

2300647

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X23-00260

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	OE&K	3-21-03 1415	Leslie May	CAS	3-21-03 1415
Leslie May	CAS	3-21-03 1600	Fedex		
Fedex				CAS	3/21/03 0945

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

3/22/03 LK

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300647 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -4 = ~~2~~ 1-500 ml Pl (NP) (A) (B)

1-500 ml Pl (HNO3) (A) (B)

Comments Filter & preserve diss. metal bottle in lab. Copy of COC placed in metals box 3/21/03 1620

Initials, Date, Time LK 3/21/03 1600 3/21/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000047

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-21-03 PAGE 1 OF 1

PROJECT NAME WVBA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS OEA/ Terranext

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Cr	Dissolved Cr			REMARKS
AVB69-0102-1000	3-21-03		260-001	W		1		X															
AVB69-0100-07270	"	9:00	002	W		5		X											X	X			
AVB69-0104-~~1000 07270~~	"	10:00	003	W		5		X											X	X			
AVB77-0200-07210	"	11:15	004	W		5		X											X	X			
AVB68-0400-06270	"	13:15	005	W		5		X											X	X			

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr Requires Lab Filtering

REPORT REQUIREMENTS

___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#
Bill To

SAMPLE RECEIPT:

Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00260

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	OEA/K	3-21-03 1415	Leslie May	CAS	3-21-03 1415
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0260

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: WVBA

Sample(s) Received on: 3-21-03 date 1415 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 6.9°C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): Lin

Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 25, 2003. The samples were analyzed for Total and Dissloved Chromium by our Canoga Park, CA facility (L2300676). For your reference, the 8260 analyses have been assigned our service request number X2300276.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300276
Project:	WVB / #03103154	**Date Received:**	3/25/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery of Dichlorodifluoromethane, Method 8260B, was below method acceptnce limits on 4/3/03. This compound ws detected in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Sample AVB109-0100-02107 (X2300276-003) required a dilution of severl analytes for Method 8260B due to high concentration of target anlytes.

Matrix spike (XWG0300456-4 and XWG0300456-5) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

MS/DMS (XWG0300456-4 and XWG0300456-5) RPD for Vinyl Acetate, Method 8260B exceeded the laboratory control limits. Recovery met acceptance criteria.

Matrix spike (XWG0300459-1 and XWG0300459-2) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300459-1) recovery of Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300459-3 and XWG0300459-4) RPD for several analytes for Method 8260B exceeded the laboratory control limits. Recovery met acceptance criteria.

The associated blank spike (XWG0300459-4) recovery of several analytes for Method 8260B was below labortory acceptance limits. These compounds were seen in the method reporting limit standard that was anlyzed with this batch of samples. This verifies that the compounds would be detected if present in the samples.

The associated blank spike (XWG0300459-4) recovery of Bromochloromethane, Method 8260B, was above laboratory acceptance limits. This compound was not detected in any of the samples analyzed in this batch.

Approved by JMD **Date** 4-11-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300276

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB110-0100-02112	X2300276-001	03/25/2003	03/25/2003
AVB30-1100-01093	X2300276-002	03/25/2003	03/25/2003
AVB109-0100-02107	X2300276-003	03/25/2003	03/25/2003
AVB30-1104-1000	X2300276-004	03/25/2003	03/25/2003
AVB30-1102-1000	X2300276-005	03/25/2003	03/25/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 5-6-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB110-0100-02112
Lab Code: X2300276-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	N1V4
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	**6.0**		1.0	1	04/03/03	04/03/03	
Acetone	**17**		10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	**2.8**		0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	**5.7**		0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
Chloroform	**2.2**		1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	**6.7**		0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	**22**		0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	**0.62**		0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	**0.79**		0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB110-0100-02112
Lab Code: X2300276-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	**20**		0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	**0.58**		0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	**0.65**		0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB110-0100-02112
Lab Code: X2300276-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	04/03/03	
Toluene-d8	114	68-126	04/03/03	
4-Bromofluorobenzene	108	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1100-01093
Lab Code: X2300276-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	N1V4
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	**1.6**		1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
Bromochloromethane	**1.2**		0.50	1	04/03/03	04/03/03	
Chloroform	**4.7**		1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	**0.90**		0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	**16**		0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

000011

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1100-01093
Lab Code: X2300276-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	ND	U	0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	**14**		0.50	1	04/03/03	04/03/03	
m,p-Xylenes	**130**		1.0	1	04/03/03	04/03/03	
o-Xylene	**74**		0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	**0.89**		0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	**2.0**		0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	**24**		0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	**78**		0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	**4.5**		0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	**73**		3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1100-01093
Lab Code: X2300276-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	04/03/03	
Toluene-d8	113	68-126	04/03/03	
4-Bromofluorobenzene	111	79-113	04/03/03	

Comments:

000013

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB109-0100-02107
Lab Code: X2300276-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	N1V4
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
Chloroform	**4.0**		1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	**9.4**		0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	**0.88**		0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	**42**		0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB109-0100-02107
Lab Code: X2300276-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	**5.3**		0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	**48**	D	5.0	10	04/04/03	04/04/03	D2
m,p-Xylenes	**220**	D	10	10	04/04/03	04/04/03	D2
o-Xylene	**78**	D	5.0	10	04/04/03	04/04/03	D2
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	**12**		0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	**21**		0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	**53**		0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	**76**	D	5.0	10	04/04/03	04/04/03	D2
sec-Butylbenzene	**6.2**		0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	**1.7**		0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	**6.6**		0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	**14**		3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB109-0100-02107
Lab Code: X2300276-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	04/03/03	
Toluene-d8	110	68-126	04/03/03	
4-Bromofluorobenzene	102	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1102-1000
Lab Code: X2300276-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	N1V4
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
Chloroform	ND	U	1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	ND	U	0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

000020

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1102-1000
Lab Code: X2300276-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	ND	U	0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	ND	U	0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: 03/25/2003
Date Received: 03/25/2003

Volatile Organic Compounds

Sample Name: AVB30-1102-1000
Lab Code: X2300276-005

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	04/03/03	
Toluene-d8	113	68-126	04/03/03	
4-Bromofluorobenzene	105	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300456-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	N1V4
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
Chloroform	ND	U	1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	ND	U	0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300456-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	ND	U	0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	ND	U	0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300456-3

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	04/03/03	
Toluene-d8	102	68-126	04/03/03	
4-Bromofluorobenzene	102	79-113	04/03/03	

Comments:

000025

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

000026

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	04/04/03	
Toluene-d8	100	68-126	04/04/03	
4-Bromofluorobenzene	92	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Service Request: X2300276

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB110-0100-02112	X2300276-001	107	114	108
AVB30-1100-01093	X2300276-002	106	113	111
AVB109-0100-02107	X2300276-003	104	110	102
AVB70-1104-1000	X2300276-004	105	106	93
AVB30-1102-1000	X2300276-005	108	113	105
Method Blank	XWG0300456-3	102	102	102
Method Blank	XWG0300459-5	98	100	92
Batch QC	X2300279-002	102	106	95
Batch QC	X2300294-001	113	116	110
Batch QCMS	XWG0300456-4	113	116	113
Batch QCDMS	XWG0300456-5	107	112	109
Batch QCMS	XWG0300459-1	102	99	98
Batch QCDMS	XWG0300459-2	96	101	94
Lab Control Sample	XWG0300456-1	103	107	105
Duplicate Lab Control Sample	XWG0300456-2	104	106	106
Lab Control Sample	XWG0300459-3	97	100	96
Duplicate Lab Control Sample	XWG0300459-4	99	95	95

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300294-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300456

Analyte Name	Sample Result	Batch QCMS XWG0300456-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300456-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	32.7	10.0	327 M1	30.7	10.0	307 M1	78-207	6	20
Chloromethane	ND	21.8	10.0	218 M1	21.3	10.0	213 M1	70-157	3	20
Vinyl Chloride	ND	20.0	10.0	200 M1	18.8	10.0	188 M1	79-174	6	20
Bromomethane	ND	13.0	10.0	130	12.4	10.0	124	44-150	5	20
Chloroethane	ND	15.3	10.0	153 M1	14.4	10.0	144	74-150	6	20
Trichlorofluoromethane	ND	18.7	10.0	187 M1	17.5	10.0	175 M1	80-134	6	20
1,1,2-Trichlorotrifluoroethane	ND	15.7	10.0	157 M1	14.9	10.0	149 M1	67-128	5	20
1,1-Dichloroethene	ND	13.4	10.0	134	12.6	10.0	126	71-142	6	20
Acetone	ND	39.9	40.0	100	38.4	40.0	96	1-155	4	20
Iodomethane	ND	43.4	40.0	108	39.7	40.0	99	47-120	9	20
Carbon Disulfide	ND	58.0	40.0	145 M1	54.0	40.0	135 M1	77-126	7	20
Methylene Chloride	ND	11.0	10.0	110 M1	10.4	10.0	104	83-106	6	20
Methyl tert-Butyl Ether	ND	10.6	10.0	106	9.90	10.0	99	70-118	6	20
trans-1,2-Dichloroethene	ND	12.4	10.0	124 M1	11.7	10.0	117 M1	86-115	6	20
1,1-Dichloroethane	ND	12.5	10.0	125	11.8	10.0	118	77-127	5	20
Vinyl Acetate	ND	53.1	40.0	133	41.3	40.0	103	8-187	25 R5	20
2,2-Dichloropropane	ND	14.5	10.0	145	13.6	10.0	136	25-154	7	20
2-Butanone (MEK)	ND	38.5	40.0	96	37.2	40.0	93	90-112	3	20
cis-1,2-Dichloroethene	ND	11.4	10.0	114	10.8	10.0	108	69-118	5	20
Bromochloromethane	ND	10.6	10.0	106	9.91	10.0	99	47-136	7	20
Chloroform	1.6	13.3	10.0	117	12.6	10.0	110	48-143	5	20
1,1,1-Trichloroethane	ND	14.2	10.0	142 M1	13.4	10.0	134 M1	84-122	5	20
Carbon Tetrachloride	ND	15.1	10.0	151 M1	14.1	10.0	141 M1	79-120	7	20
1,1-Dichloropropene	ND	14.1	10.0	141 M1	13.6	10.0	136 M1	85-117	4	20
Benzene	ND	12.3	10.0	123 M1	11.8	10.0	118 M1	88-114	4	20
1,2-Dichloroethane	ND	11.0	10.0	110	10.3	10.0	103	75-112	6	20
Trichloroethene	ND	12.3	10.0	123 M1	12.0	10.0	120 M1	76-115	2	20
1,2-Dichloropropane	ND	11.0	10.0	110 M1	10.5	10.0	105	85-107	4	20
Dibromomethane	ND	10.3	10.0	103	9.63	10.0	96	82-106	6	20
Bromodichloromethane	ND	11.6	10.0	116 M1	10.8	10.0	108 M1	83-107	7	20
cis-1,3-Dichloropropene	ND	10.8	10.0	108	10.1	10.0	101	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	36.6	40.0	92	34.1	40.0	85	54-129	7	20
Toluene	ND	12.4	10.0	124 M1	12.0	10.0	120 M1	86-114	3	20
trans-1,3-Dichloropropene	ND	10.6	10.0	106	10.0	10.0	100	73-112	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300294-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300456

Analyte Name	Sample Result	Batch QCMS XWG0300456-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300456-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	10.3	10.0	103	9.84	10.0	98	79-112	4	20
Tetrachloroethene	ND	13.0	10.0	130	12.5	10.0	125	78-130	3	20
2-Hexanone	ND	42.8	40.0	107	40.3	40.0	101	77-112	6	20
1,3-Dichloropropane	ND	10.5	10.0	105	10.3	10.0	103	45-133	3	20
Dibromochloromethane	ND	10.2	10.0	102	9.85	10.0	99	74-108	3	20
1,2-Dibromoethane	ND	10.1	10.0	101	9.77	10.0	98	73-113	3	20
Chlorobenzene	ND	11.1	10.0	111	11.0	10.0	110	84-111	2	20
1,1,1,2-Tetrachloroethane	ND	10.6	10.0	106	10.5	10.0	105	84-119	2	20
Ethylbenzene	ND	12.7	10.0	127	12.5	10.0	125	47-136	2	20
m,p-Xylenes	ND	24.7	20.0	123 M1	23.9	20.0	120	84-120	3	20
o-Xylene	ND	11.7	10.0	117	11.6	10.0	116	47-143	1	20
Styrene	ND	11.4	10.0	114	11.0	10.0	110	72-121	4	20
Isopropylbenzene	ND	13.1	10.0	131 M1	12.8	10.0	128 M1	63-108	2	20
Bromobenzene	ND	10.8	10.0	108	10.6	10.0	106	80-113	2	20
1,2,3-Trichloropropane	ND	10.5	10.0	105	10.2	10.0	102	78-119	3	20
n-Propylbenzene	ND	13.7	10.0	137 M1	13.2	10.0	132 M1	76-117	4	20
2-Chlorotoluene	ND	12.8	10.0	128 M1	12.3	10.0	123 M1	79-121	4	20
4-Chlorotoluene	ND	12.3	10.0	123	12.0	10.0	120	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.6	10.0	126 M1	12.3	10.0	123 M1	79-118	2	20
tert-Butylbenzene	ND	13.9	10.0	139 M1	13.5	10.0	135 M1	77-120	3	20
1,2,4-Trimethylbenzene	ND	12.5	10.0	125	12.0	10.0	120	68-127	4	20
sec-Butylbenzene	ND	13.8	10.0	138 M1	13.3	10.0	133 M1	78-123	3	20
1,3-Dichlorobenzene	ND	11.3	10.0	113	11.1	10.0	111	78-127	2	20
4-Isopropyltoluene	ND	14.0	10.0	140	13.7	10.0	137	79-142	2	20
Bromoform	ND	9.28	10.0	93	9.24	10.0	92	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	10.4	10.0	104	10.0	10.0	100	66-133	4	20
1,4-Dichlorobenzene	ND	10.8	10.0	108	10.7	10.0	107	48-139	1	20
1,2-Dichlorobenzene	ND	10.8	10.0	108	10.7	10.0	107	64-109	1	20
n-Butylbenzene	ND	13.9	10.0	139 M1	13.5	10.0	135 M1	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	8.78	10.0	88	8.38	10.0	84	54-160	5	20
1,2,4-Trichlorobenzene	ND	10.7	10.0	107	10.5	10.0	105	39-145	2	20
Hexachlorobutadiene	ND	13.9	10.0	139 M1	13.7	10.0	137 M1	74-113	1	20
Naphthalene	ND	9.51	10.0	95	9.44	10.0	94	44-167	1	20
1,2,3-Trichlorobenzene	ND	10.2	10.0	102	9.91	10.0	99	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	Batch QCMS XWG0300459-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300459-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	2.99	10.0	30 M2	2.94	10.0	29 M2	78-207	2	20
Chloromethane	ND	5.67	10.0	57 M2	5.14	10.0	51 M2	70-157	10	20
Vinyl Chloride	ND	6.20	10.0	62 M2	6.18	10.0	62 M2	79-174	0	20
Bromomethane	ND	7.63	10.0	76	6.99	10.0	70	44-150	9	20
Chloroethane	ND	8.26	10.0	83	8.37	10.0	84	74-150	1	20
Trichlorofluoromethane	ND	7.91	10.0	79 M2	7.73	10.0	77 M2	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	10.0	10.0	100	9.57	10.0	96	67-128	4	20
1,1-Dichloroethene	ND	9.41	10.0	94	9.26	10.0	93	71-142	2	20
Acetone	ND	36.9	40.0	92	36.4	40.0	91	1-155	1	20
Iodomethane	ND	35.5	40.0	89	35.2	40.0	88	47-120	1	20
Carbon Disulfide	ND	37.6	40.0	94	36.4	40.0	91	77-126	3	20
Methylene Chloride	ND	9.54	10.0	95	9.19	10.0	92	83-106	4	20
Methyl tert-Butyl Ether	ND	8.70	10.0	87	7.79	10.0	78	70-118	11	20
trans-1,2-Dichloroethene	ND	10.0	10.0	100	9.88	10.0	99	86-115	1	20
1,1-Dichloroethane	ND	10.6	10.0	106	10.4	10.0	104	77-127	1	20
Vinyl Acetate	ND	42.3	40.0	106	36.2	40.0	91	8-187	16	20
2,2-Dichloropropane	ND	10.1	10.0	101	9.84	10.0	98	25-154	2	20
2-Butanone (MEK)	ND	41.9	40.0	105	38.1	40.0	95	90-112	9	20
cis-1,2-Dichloroethene	2.1	12.2	10.0	101	11.5	10.0	94	69-118	6	20
Bromochloromethane	ND	11.2	10.0	112	9.97	10.0	100	47-136	12	20
Chloroform	ND	11.3	10.0	113	10.8	10.0	108	48-143	5	20
1,1,1-Trichloroethane	ND	8.92	10.0	89	8.61	10.0	86	84-122	4	20
Carbon Tetrachloride	ND	9.37	10.0	94	9.15	10.0	92	79-120	2	20
1,1-Dichloropropene	ND	9.75	10.0	98	9.85	10.0	99	85-117	1	20
Benzene	ND	9.85	10.0	99	9.90	10.0	99	88-114	1	20
1,2-Dichloroethane	ND	10.0	10.0	100	9.86	10.0	99	75-112	2	20
Trichloroethene	2.1	13.3	10.0	112	13.6	10.0	115	76-115	2	20
1,2-Dichloropropane	ND	10.1	10.0	101	9.99	10.0	100	85-107	1	20
Dibromomethane	ND	9.85	10.0	99	10.0	10.0	100	82-106	2	20
Bromodichloromethane	ND	9.26	10.0	93	9.12	10.0	91	83-107	2	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	9.83	10.0	98	70-114	4	20
4-Methyl-2-pentanone (MIBK)	ND	38.5	40.0	96	33.9	40.0	85	54-129	13	20
Toluene	ND	9.91	10.0	99	10.1	10.0	101	86-114	2	20
trans-1,3-Dichloropropene	ND	10.2	10.0	102	9.33	10.0	93	73-112	9	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	Batch QCMS XWG0300459-1 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300459-2 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	9.30	10.0	93	8.63	10.0	86	79-112	7	20
Tetrachloroethene	7.2	17.0	10.0	99	17.3	10.0	101	78-130	2	20
2-Hexanone	ND	35.5	40.0	89	34.5	40.0	86	77-112	3	20
1,3-Dichloropropane	ND	9.14	10.0	91	8.94	10.0	89	45-133	2	20
Dibromochloromethane	ND	9.26	10.0	93	8.87	10.0	89	74-108	4	20
1,2-Dibromoethane	ND	9.08	10.0	91	8.62	10.0	86	73-113	5	20
Chlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	84-111	0	20
1,1,1,2-Tetrachloroethane	ND	9.55	10.0	96	9.54	10.0	95	84-119	0	20
Ethylbenzene	ND	10.6	10.0	106	10.8	10.0	108	47-136	2	20
m,p-Xylenes	ND	21.3	20.0	107	22.0	20.0	110	84-120	3	20
o-Xylene	ND	10.2	10.0	102	10.4	10.0	104	47-143	2	20
Styrene	ND	10.5	10.0	105	10.1	10.0	101	72-121	3	20
Isopropylbenzene	ND	10.2	10.0	102	10.2	10.0	102	63-108	0	20
Bromobenzene	ND	11.1	10.0	111	10.5	10.0	105	80-113	6	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.18	10.0	92	78-119	10	20
n-Propylbenzene	ND	10.7	10.0	107	10.4	10.0	104	76-117	2	20
2-Chlorotoluene	ND	10.4	10.0	104	10.2	10.0	102	79-121	2	20
4-Chlorotoluene	ND	10.4	10.0	104	10.3	10.0	103	70-133	1	20
1,3,5-Trimethylbenzene	ND	10.5	10.0	105	10.2	10.0	102	79-118	3	20
tert-Butylbenzene	ND	10.6	10.0	106	10.2	10.0	102	77-120	4	20
1,2,4-Trimethylbenzene	ND	10.4	10.0	104	10.2	10.0	102	68-127	2	20
sec-Butylbenzene	ND	9.94	10.0	99	9.56	10.0	96	78-123	4	20
1,3-Dichlorobenzene	ND	10.3	10.0	103	9.84	10.0	98	78-127	4	20
4-Isopropyltoluene	ND	10.5	10.0	105	10.2	10.0	102	79-142	3	20
Bromoform	ND	9.10	10.0	91	9.36	10.0	94	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	10.6	10.0	106	10.5	10.0	105	66-133	1	20
1,4-Dichlorobenzene	ND	9.76	10.0	98	10.2	10.0	102	48-139	4	20
1,2-Dichlorobenzene	ND	9.72	10.0	97	9.66	10.0	97	64-109	1	20
n-Butylbenzene	ND	10.3	10.0	103	10.4	10.0	104	69-122	1	20
1,2-Dibromo-3-chloropropane	ND	9.06	10.0	91	9.13	10.0	91	54-160	1	20
1,2,4-Trichlorobenzene	ND	10.3	10.0	103	9.57	10.0	96	39-145	8	20
Hexachlorobutadiene	ND	12.0	10.0	120 M1	10.9	10.0	109	74-113	10	20
Naphthalene	ND	9.81	10.0	98	8.52	10.0	85	44-167	14	20
1,2,3-Trichlorobenzene	ND	12.1	10.0	121	10.5	10.0	105	37-158	14	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300456

Analyte Name	Lab Control Sample XWG0300456-1 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300456-2 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	6.60	10.0	66	6.14	10.0	61	1-233	7	20
Chloromethane	10.6	10.0	106	10.2	10.0	102	46-156	5	20
Vinyl Chloride	10.5	10.0	105	9.49	10.0	95	51-158	10	20
Bromomethane	9.97	10.0	100	9.54	10.0	95	37-149	4	20
Chloroethane	11.0	10.0	110	10.0	10.0	100	56-146	10	20
Trichlorofluoromethane	12.3	10.0	123	11.1	10.0	111	69-139	10	20
1,1,2-Trichlorotrifluoroethane	12.1	10.0	121	11.0	10.0	110	83-130	9	20
1,1-Dichloroethene	9.97	10.0	100	9.02	10.0	90	65-112	10	20
Acetone	37.3	40.0	93	37.7	40.0	94	68-128	1	20
Iodomethane	37.1	40.0	93	35.5	40.0	89	68-144	4	20
Carbon Disulfide	45.2	40.0	113	41.1	40.0	103	67-140	9	20
Methylene Chloride	10.3	10.0	103	10.3	10.0	103	70-113	0	20
Methyl tert-Butyl Ether	9.02	10.0	90	9.20	10.0	92	75-115	2	20
trans-1,2-Dichloroethene	10.1	10.0	101	9.27	10.0	93	73-118	8	20
1,1-Dichloroethane	11.2	10.0	112	10.7	10.0	107	77-127	5	20
Vinyl Acetate	42.9	40.0	107	42.2	40.0	106	51-202	2	39
2,2-Dichloropropane	11.5	10.0	115	10.6	10.0	106	75-132	8	20
2-Butanone (MEK)	36.3	40.0	91	36.8	40.0	92	72-122	2	20
cis-1,2-Dichloroethene	10.1	10.0	101	9.73	10.0	97	81-118	4	20
Bromochloromethane	9.80	10.0	98	9.74	10.0	97	82-114	1	20
Chloroform	11.0	10.0	110	10.6	10.0	106	78-119	4	20
1,1,1-Trichloroethane	11.1	10.0	111	10.1	10.0	101	71-125	9	20
Carbon Tetrachloride	11.7	10.0	117	10.6	10.0	106	69-130	11	20
1,1-Dichloropropene	11.4	10.0	114	10.3	10.0	103	77-114	10	20
Benzene	10.8	10.0	108	10.1	10.0	101	81-117	7	20
1,2-Dichloroethane	10.2	10.0	102	10.3	10.0	103	67-122	0	20
Trichloroethene	10.5	10.0	105	9.81	10.0	98	79-114	6	20
1,2-Dichloropropane	10.1	10.0	101	9.93	10.0	99	78-114	1	20
Dibromomethane	9.65	10.0	97	9.68	10.0	97	78-113	0	20
Bromodichloromethane	10.4	10.0	104	10.5	10.0	105	79-122	1	20
cis-1,3-Dichloropropene	10.3	10.0	103	10.5	10.0	105	82-118	2	20
4-Methyl-2-pentanone (MIBK)	32.5	40.0	81	33.5	40.0	84	75-115	3	20
Toluene	11.1	10.0	111	10.3	10.0	103	85-118	7	20
trans-1,3-Dichloropropene	9.93	10.0	99	10.3	10.0	103	79-121	4	20
1,1,2-Trichloroethane	9.55	10.0	96	9.58	10.0	96	79-116	0	20
Tetrachloroethene	10.3	10.0	103	9.51	10.0	95	76-127	8	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300456

	Lab Control Sample XWG0300456-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300456-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
2-Hexanone	41.8	40.0	104	39.9	40.0	100	65-120	5	20
1,3-Dichloropropane	10.1	10.0	101	10.3	10.0	103	81-116	1	20
Dibromochloromethane	9.36	10.0	94	9.43	10.0	94	77-119	1	20
1,2-Dibromoethane	9.58	10.0	96	9.75	10.0	98	79-116	2	20
Chlorobenzene	10.4	10.0	104	9.88	10.0	99	84-114	5	20
1,1,1,2-Tetrachloroethane	9.65	10.0	97	9.52	10.0	95	78-118	1	20
Ethylbenzene	11.3	10.0	113	10.5	10.0	105	79-124	8	20
m,p-Xylenes	21.9	20.0	109	20.4	20.0	102	75-131	7	20
o-Xylene	10.6	10.0	106	9.98	10.0	100	78-122	6	20
Styrene	10.8	10.0	108	10.5	10.0	105	80-126	3	20
Isopropylbenzene	10.8	10.0	108	10.0	10.0	100	75-126	8	20
Bromobenzene	10.0	10.0	100	9.88	10.0	99	82-122	1	20
1,2,3-Trichloropropane	9.88	10.0	99	9.92	10.0	99	77-118	0	20
n-Propylbenzene	11.5	10.0	115	10.7	10.0	107	75-129	8	20
2-Chlorotoluene	11.5	10.0	115	10.8	10.0	108	77-126	6	20
4-Chlorotoluene	11.3	10.0	113	10.8	10.0	108	82-120	4	20
1,3,5-Trimethylbenzene	11.2	10.0	112	10.5	10.0	105	75-130	7	20
tert-Butylbenzene	11.7	10.0	117	10.8	10.0	108	73-130	8	20
1,2,4-Trimethylbenzene	11.2	10.0	112	10.7	10.0	107	60-137	5	20
sec-Butylbenzene	10.8	10.0	108	10.1	10.0	101	68-131	6	20
1,3-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	71-137	0	20
4-Isopropyltoluene	11.6	10.0	116	11.0	10.0	110	68-134	6	20
Bromoform	8.76	10.0	88	8.93	10.0	89	70-118	2	20
1,1,2,2-Tetrachloroethane	9.66	10.0	97	9.76	10.0	98	72-122	1	20
1,4-Dichlorobenzene	10.3	10.0	103	10.1	10.0	101	82-114	2	20
1,2-Dichlorobenzene	10.3	10.0	103	10.2	10.0	102	81-118	1	20
n-Butylbenzene	11.5	10.0	115	10.8	10.0	108	71-125	6	20
1,2-Dibromo-3-chloropropane	8.71	10.0	87	8.20	10.0	82	55-131	6	20
1,2,4-Trichlorobenzene	9.37	10.0	94	9.70	10.0	97	75-123	3	20
Hexachlorobutadiene	11.7	10.0	117	11.6	10.0	116	63-140	1	20
Naphthalene	8.60	10.0	86	8.92	10.0	89	67-125	4	20
1,2,3-Trichlorobenzene	9.36	10.0	94	9.64	10.0	96	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

Analyte Name	Lab Control Sample XWG0300459-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	2.60	10.0	26	1.46	10.0	15	1-233	56 R7	20
Chloromethane	5.56	10.0	56	4.09	10.0	41 L2	46-156	30 R7	20
Vinyl Chloride	6.16	10.0	62	4.27	10.0	43 L2	51-158	36 R7	20
Bromomethane	7.58	10.0	76	6.64	10.0	66	37-149	13	20
Chloroethane	8.15	10.0	82	7.34	10.0	73	56-146	10	20
Trichlorofluoromethane	7.39	10.0	74	5.45	10.0	55 L2	69-139	30 R7	20
1,1,2-Trichlorotrifluoroethane	8.53	10.0	85	6.56	10.0	66 L2	83-130	26 R7	20
1,1-Dichloroethene	8.29	10.0	83	6.46	10.0	65	65-112	25 R7	20
Acetone	47.8	40.0	120	44.3	40.0	111	68-128	8	20
Iodomethane	35.0	40.0	88	33.2	40.0	83	68-144	5	20
Carbon Disulfide	36.0	40.0	90	29.0	40.0	73	67-140	21 R7	20
Methylene Chloride	10.6	10.0	106	9.76	10.0	98	70-113	9	20
Methyl tert-Butyl Ether	9.04	10.0	90	9.00	10.0	90	75-115	0	20
trans-1,2-Dichloroethene	9.79	10.0	98	8.51	10.0	85	73-118	14	20
1,1-Dichloroethane	10.4	10.0	104	9.43	10.0	94	77-127	9	20
Vinyl Acetate	42.8	40.0	107	41.2	40.0	103	51-202	4	39
2,2-Dichloropropane	8.72	10.0	87	7.90	10.0	79	75-132	10	20
2-Butanone (MEK)	32.3	40.0	81	38.4	40.0	96	72-122	17	20
cis-1,2-Dichloroethene	9.47	10.0	95	9.26	10.0	93	81-118	2	20
Bromochloromethane	11.3	10.0	113	11.7	10.0	117 L1	82-114	3	20
Chloroform	10.2	10.0	102	9.78	10.0	98	78-119	4	20
1,1,1-Trichloroethane	7.67	10.0	77	6.64	10.0	66 L2	71-125	14	20
Carbon Tetrachloride	8.00	10.0	80	6.91	10.0	69	69-130	15	20
1,1-Dichloropropene	8.47	10.0	85	7.13	10.0	71 L2	77-114	17	20
Benzene	9.06	10.0	91	8.48	10.0	85	81-117	7	20
1,2-Dichloroethane	10.0	10.0	100	9.79	10.0	98	67-122	2	20
Trichloroethene	9.21	10.0	92	8.44	10.0	84	79-114	9	20
1,2-Dichloropropane	9.98	10.0	100	9.86	10.0	99	78-114	1	20
Dibromomethane	10.4	10.0	104	10.8	10.0	108	78-113	4	20
Bromodichloromethane	9.39	10.0	94	9.16	10.0	92	79-122	2	20
cis-1,3-Dichloropropene	10.9	10.0	109	10.8	10.0	108	82-118	1	20
4-Methyl-2-pentanone (MIBK)	41.1	40.0	103	43.6	40.0	109	75-115	6	20
Toluene	9.58	10.0	96	9.00	10.0	90	85-118	6	20
trans-1,3-Dichloropropene	10.6	10.0	106	10.4	10.0	104	79-121	2	20
1,1,2-Trichloroethane	9.93	10.0	99	9.97	10.0	100	79-116	0	20
Tetrachloroethene	8.99	10.0	90	7.90	10.0	79	76-127	13	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300276
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

Analyte Name	Lab Control Sample XWG0300459-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2-Hexanone	39.2	40.0	98	40.3	40.0	101	65-120	3	20
1,3-Dichloropropane	9.93	10.0	99	10.4	10.0	104	81-116	5	20
Dibromochloromethane	10.1	10.0	101	10.1	10.0	101	77-119	0	20
1,2-Dibromoethane	9.98	10.0	100	9.98	10.0	100	79-116	0	20
Chlorobenzene	9.66	10.0	97	9.60	10.0	96	84-114	1	20
1,1,1,2-Tetrachloroethane	9.51	10.0	95	9.29	10.0	93	78-118	2	20
Ethylbenzene	9.55	10.0	96	8.95	10.0	90	79-124	6	20
m,p-Xylenes	19.6	20.0	98	18.5	20.0	93	75-131	6	20
o-Xylene	9.75	10.0	98	9.44	10.0	94	78-122	3	20
Styrene	10.2	10.0	102	10.1	10.0	101	80-126	2	20
Isopropylbenzene	9.20	10.0	92	8.47	10.0	85	75-126	8	20
Bromobenzene	10.9	10.0	109	10.9	10.0	109	82-122	0	20
1,2,3-Trichloropropane	10.3	10.0	103	10.1	10.0	101	77-118	2	20
n-Propylbenzene	9.66	10.0	97	8.80	10.0	88	75-129	9	20
2-Chlorotoluene	9.93	10.0	99	9.25	10.0	93	77-126	7	20
4-Chlorotoluene	9.98	10.0	100	9.70	10.0	97	82-120	3	20
1,3,5-Trimethylbenzene	9.84	10.0	98	9.27	10.0	93	75-130	6	20
tert-Butylbenzene	9.46	10.0	95	8.42	10.0	84	73-130	12	20
1,2,4-Trimethylbenzene	9.97	10.0	100	9.53	10.0	95	60-137	5	20
sec-Butylbenzene	8.89	10.0	89	7.71	10.0	77	68-131	14	20
1,3-Dichlorobenzene	10.2	10.0	102	9.91	10.0	99	71-137	3	20
4-Isopropyltoluene	9.67	10.0	97	8.66	10.0	87	68-134	11	20
Bromoform	9.32	10.0	93	9.96	10.0	100	70-118	7	20
1,1,2,2-Tetrachloroethane	10.9	10.0	109	11.6	10.0	116	72-122	7	20
1,4-Dichlorobenzene	9.76	10.0	98	10.0	10.0	100	82-114	3	20
1,2-Dichlorobenzene	9.63	10.0	96	9.67	10.0	97	81-118	0	20
n-Butylbenzene	8.98	10.0	90	8.23	10.0	82	71-125	9	20
1,2-Dibromo-3-chloropropane	7.97	10.0	80	8.66	10.0	87	55-131	8	20
1,2,4-Trichlorobenzene	9.57	10.0	96	9.74	10.0	97	75-123	2	20
Hexachlorobutadiene	9.70	10.0	97	9.06	10.0	91	63-140	7	20
Naphthalene	8.85	10.0	89	9.60	10.0	96	67-125	8	20
1,2,3-Trichlorobenzene	10.4	10.0	104	11.1	10.0	111	72-124	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 7, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 25, 2003. For your reference, these analyses have been assigned our service request number L2300676.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

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COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300676

Sample Name :	Lab Code :
AVB110-0100-02112	L2300676-001
AVB110-0100-02112	L2300676-001S
AVB110-0100-02112	L2300676-001SD
AVB30-1100-01093	L2300676-002
AVB109-0100-02107	L2300676-003
AVB30-1104-1000	L2300676-004
Laboratory Control Sample	L2300676-LCS
Method Blank	L2300676-MB

Approved By: _____ Date: 7/16/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB110-0100-02112
Lab Code : L2300676-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB110-0100-02112
Lab Code : L2300676-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB30-1100-01093
Lab Code : L2300676-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB30-1100-01093
Lab Code : L2300676-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300676
Project Name :	WVB	**Date Collected :**	03/25/03
Project No. :	03103154	**Date Received :**	03/25/03
Matrix :	Water	**Date Extracted :**	04/02/03

Total Metals

Sample Name :	AVB109-0100-02107	**Units :**	ug/L (ppb)
Lab Code :	L2300676-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	38	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB109-0100-02107
Lab Code : L2300676-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB30-1104-1000
Lab Code : L2300676-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB30-1104-1000
Lab Code : L2300676-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000048

11R

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300676-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300676-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	522	104	87-111	

006050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300676
Date Collected : 03/25/03
Date Received : 03/25/03
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB110-0100-02112
Lab Code : L2300676-001S L2300676-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	505	494	101	99	87-105	2	

Columbia Analytical Services INC.
An Employee - Owned Company

L2300676

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.25.00 PAGE 1 OF 1

PROJECT NAME WVB # 03103184

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Bark

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	ANALYSIS REQUESTED	REMARKS
AVB10-0110-02112	3.25	7.05	X276-001	AQ	HCl	5	Volatile Organics GC/MS 624/8260 LK; TOTAL CR; DISSOLVED CR as per client comment 3/25/03	
AVB30-1100-01093	"	8.50	9.30 -002	"	"	5		
AVB09-0700-02107	"	11.20	-003	"	"	5		
AVB70-1104-1000	"	11.40	-004	"	"	5		
AVB30-1102-1000	"	—	-005	"	HCl	1		

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300276

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+L	3.25.03 12.40	Tracy Dutton	CAS	3-25-03 1240
	CAS	3-25-03 16:30			
			Mtamora	CAS	3/26/03 1030

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300676 Client: B, E & K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X X UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes X No ____(See Comments)

Appropriate sample volume and containers? Yes X No ____(See Comments)

Sufficient labeling on container(s) ? Yes X No ____(See Comments)

Container(s) supplied by CAS? Yes X No ____(See Comments)

Custody seal(s) intact? N/A X Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No X

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 2 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes X Notified LK done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1-3 = 1 1LPL NP (A), 1 1LPL HNO_3 (B)

-4 = 1 500ml PL HNO_3 (A), 1 1LPL NP (B)

Comments Filter & preserve diss metals bottle in lab Kristy @ 1200

Initials, Date, Time MA 3/24/03 1655 3/24/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000053

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.25.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103184

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Bak

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	Dissolved Cr as per client comment Bak 3/25/03		REMARKS
AVB10-0110-02112	3.25	7.05	X276-001	AQ	HCl pH<2	5		3											1	1			
AVB30-1100-01093	"	8.50	-002	"	"	5		3											1	1			
AVB09-0700-02107	"	11.20	-003	"	"	5		3											1	1			
AVB30-1104-1000	"	11.40	-004	"	"	5		3											1	1			
AVB30-1103-1000	"	—	-005	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# ___

Bill To ___

SAMPLE RECEIPT:

Shipping VIA: ___

Shipping #: ___

Condition: ___

Lab No: X2300276

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3.25.03 12.40	Tracy Dutton	CAS	3-25-03 1240

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0274

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BEAR Project Name: WVB

Sample(s) Received on: 3/28/02 date 1245 time

VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments) NA	Yes ☐	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 6.5°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): JM

Columbia Analytical Services INC.
An Employee-Owned Company

April 10, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 27, 2003. The samples were analyzed for Total and Dissloved Chromium by our Canoga Park, CA facility (L2300695). For your reference, the 8260 analyses have been assigned our service request number X2300283.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300276
Project:	WVB / #03103154	**Date Received:**	3/25/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300454-3) recovery of Bromochloromethne, Method 8260B was above laboratory acceptance limits. This compound was not detected in any of the samples analyzed in this batch.

Sample AVB118-0100-01100 (X2300283-004) required dilution of Trichloroethene, Method 8260B, due to high concentration of target analytes.

Matrix spike (XWG0300454-1, XWG0300454-2. XWG0300459-1, and XWG0300459-2) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

MS/DMS (XWG0300454-1 and XWG0300454-2) RPD for Chloroethane, Method 8260B exceeded the laboratory control limits. Recovery met acceptance criteria.

Matrix spike (XWG0300454-1, XWG0300454-2, and XWG0300459-1) recovery of Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300459-3 and XWG0300459-4) RPD for several analytes for Method 8260B exceeded the laboratory control limits. Recovery met acceptance criteria.

The associated blank spike (XWG0300459-4) recovery of several analytes for Method 8260B was below labortory acceptance limits. These compounds were seen in the method reporting limit standard that was anlyzed with this batch of samples. This verifies that the compounds would be detected if present in the samples.

The associated blank spike (XWG0300459-4) recovery of Bromochloromethane, Method 8260B, was above laboratory acceptance limits. This compound was not detected in any of the samples analyzed in this batch.

Approved by JMD **Date** 4-11-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB/#03103157

Service Request: X2300283

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB72-0100-07120	X2300283-001	03/27/2003	03/27/2003
AVB70-0100-07103	X2300283-002	03/27/2003	03/27/2003
AVB57-0100-16095	X2300283-003	03/27/2003	03/27/2003
AVB118-0100-01100	X2300283-004	03/27/2003	03/27/2003
AVB118-0104-1000	X2300283-005	03/27/2003	03/27/2003
AVB118-0102-1000	X2300283-006	03/27/2003	03/27/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Date: 4-11-03

Name: Tracy Dutton
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB72-0100-07120
Lab Code: X2300283-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	**6.5**		1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	**1.9**		1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	**0.69**		0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	**1.5**		0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	**15**		0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	L1
Chloroform	ND	U	1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	**0.51**		0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	**26**		0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	ND	U	0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB72-0100-07120
Lab Code: X2300283-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	**23**		0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	ND	U	0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB72-0100-07120
Lab Code: X2300283-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/03/03	
Toluene-d8	106	68-126	04/03/03	
4-Bromofluorobenzene	93	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB70-0100-07103
Lab Code: X2300283-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	**0.79**		0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	L1
Chloroform	**3.7**		1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	**7.7**		0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	ND	U	0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

000011

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB70-0100-07103
Lab Code: X2300283-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	**28**		0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	ND	U	0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB70-0100-07103
Lab Code: X2300283-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	04/03/03	
Toluene-d8	106	68-126	04/03/03	
4-Bromofluorobenzene	100	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB57-0100-16095
Lab Code: X2300283-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	L1
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	**1.1**		0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

000014

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB57-0100-16095
Lab Code: X2300283-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	**3.1**		0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB57-0100-16095
Lab Code: X2300283-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	04/04/03	
Toluene-d8	102	68-126	04/04/03	
4-Bromofluorobenzene	94	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0100-01100
Lab Code: X2300283-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	**27**		1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	**20**		0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	**19**		0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	L1
Chloroform	**1.7**		1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	**92**	D	5.0	10	04/04/03	04/04/03	D2
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0100-01100
Lab Code: X2300283-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	**3.8**		0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0100-01100
Lab Code: X2300283-004

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/04/03	
Toluene-d8	102	68-126	04/04/03	
4-Bromofluorobenzene	96	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0104-1000
Lab Code: X2300283-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	L1
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

000020

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0104-1000
Lab Code: X2300283-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0104-1000
Lab Code: X2300283-005

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	04/04/03	
Toluene-d8	103	68-126	04/04/03	
4-Bromofluorobenzene	99	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0102-1000
Lab Code: X2300283-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0102-1000
Lab Code: X2300283-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: 03/27/2003
Date Received: 03/27/2003

Volatile Organic Compounds

Sample Name: AVB118-0102-1000
Lab Code: X2300283-006

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	04/04/03	
Toluene-d8	103	68-126	04/04/03	
4-Bromofluorobenzene	97	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300454-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/03/03	04/03/03	
Chloromethane	ND	U	2.0	1	04/03/03	04/03/03	
Vinyl Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Bromomethane	ND	U	1.0	1	04/03/03	04/03/03	
Chloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Trichlorofluoromethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,1-Dichloroethene	ND	U	1.0	1	04/03/03	04/03/03	
Acetone	ND	U	10	1	04/03/03	04/03/03	
Iodomethane	ND	U	2.0	1	04/03/03	04/03/03	
Carbon Disulfide	ND	U	2.0	1	04/03/03	04/03/03	
Methylene Chloride	ND	U	1.0	1	04/03/03	04/03/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/03/03	04/03/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Vinyl Acetate	ND	U	3.0	1	04/03/03	04/03/03	
2,2-Dichloropropane	ND	U	2.0	1	04/03/03	04/03/03	
2-Butanone (MEK)	ND	U	8.0	1	04/03/03	04/03/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
Bromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	L1
Chloroform	ND	U	1.0	1	04/03/03	04/03/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Carbon Tetrachloride	ND	U	0.50	1	04/03/03	04/03/03	
1,1-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
Benzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Trichloroethene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichloropropane	ND	U	0.50	1	04/03/03	04/03/03	
Dibromomethane	ND	U	0.50	1	04/03/03	04/03/03	
Bromodichloromethane	ND	U	0.50	1	04/03/03	04/03/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/03/03	04/03/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/03/03	04/03/03	
Toluene	ND	U	0.50	1	04/03/03	04/03/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/03/03	04/03/03	

Comments:

000025

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300454-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/03/03	04/03/03	
Tetrachloroethene	ND	U	0.50	1	04/03/03	04/03/03	
2-Hexanone	ND	U	5.0	1	04/03/03	04/03/03	
1,3-Dichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
Dibromochloromethane	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromoethane	ND	U	0.50	1	04/03/03	04/03/03	
Chlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/03/03	04/03/03	
Ethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
m,p-Xylenes	ND	U	1.0	1	04/03/03	04/03/03	
o-Xylene	ND	U	0.50	1	04/03/03	04/03/03	
Styrene	ND	U	0.50	1	04/03/03	04/03/03	
Isopropylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
Bromobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/03/03	04/03/03	
n-Propylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
2-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
4-Chlorotoluene	ND	U	0.50	1	04/03/03	04/03/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
tert-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
sec-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
4-Isopropyltoluene	ND	U	0.50	1	04/03/03	04/03/03	
Bromoform	ND	U	0.50	1	04/03/03	04/03/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/03/03	04/03/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
n-Butylbenzene	ND	U	0.50	1	04/03/03	04/03/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/03/03	04/03/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	
Hexachlorobutadiene	ND	U	0.50	1	04/03/03	04/03/03	
Naphthalene	ND	U	3.0	1	04/03/03	04/03/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/03/03	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300454-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	04/03/03	
Toluene-d8	103	68-126	04/03/03	
4-Bromofluorobenzene	92	79-113	04/03/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	04/04/03	
Toluene-d8	100	68-126	04/04/03	
4-Bromofluorobenzene	92	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB72-0100-07120	X2300283-001	103	106	93
AVB70-0100-07103	X2300283-002	105	106	100
AVB57-0100-16095	X2300283-003	101	102	94
AVB118-0100-01100	X2300283-004	103	102	96
AVB118-0104-1000	X2300283-005	104	103	99
AVB118-0102-1000	X2300283-006	105	103	97
Method Blank	XWG0300454-5	102	103	92
Method Blank	XWG0300459-5	98	100	92
Batch QC	X2300279-002	102	106	95
Batch QC	X2300284-005	103	106	94
Batch QCMS	XWG0300454-1	104	105	100
Batch QCDMS	XWG0300454-2	101	105	98
Batch QCMS	XWG0300459-1	102	99	98
Batch QCDMS	XWG0300459-2	96	101	94
Lab Control Sample	XWG0300454-3	99	104	96
Duplicate Lab Control Sample	XWG0300454-4	97	98	95
Lab Control Sample	XWG0300459-3	97	100	96
Duplicate Lab Control Sample	XWG0300459-4	99	95	95

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300284-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300454

Analyte Name	Sample Result	Batch QCMS XWG0300454-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300454-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	3.53	10.0	35 M2	3.15	10.0	32 M2	78-207	11	20
Chloromethane	ND	6.64	10.0	66 M2	5.83	10.0	58 M2	70-157	13	20
Vinyl Chloride	ND	7.47	10.0	75 M2	6.40	10.0	64 M2	79-174	15	20
Bromomethane	ND	8.40	10.0	84	7.19	10.0	72	44-150	16	20
Chloroethane	ND	9.90	10.0	99	7.80	10.0	78	74-150	24 R5	20
Trichlorofluoromethane	ND	9.13	10.0	91	7.93	10.0	79 M2	80-134	14	20
1,1,2-Trichlorotrifluoroethane	ND	11.3	10.0	113	9.72	10.0	97	67-128	15	20
1,1-Dichloroethene	ND	9.74	10.0	97	8.74	10.0	87	71-142	11	20
Acetone	ND	32.0	40.0	80	32.3	40.0	81	1-155	1	20
Iodomethane	ND	41.2	40.0	103	36.7	40.0	92	47-120	11	20
Carbon Disulfide	ND	43.0	40.0	108	37.2	40.0	93	77-126	14	20
Methylene Chloride	ND	10.5	10.0	105	9.41	10.0	94	83-106	11	20
Methyl tert-Butyl Ether	ND	8.83	10.0	88	8.51	10.0	85	70-118	4	20
trans-1,2-Dichloroethene	ND	11.0	10.0	110	9.94	10.0	99	86-115	10	20
1,1-Dichloroethane	ND	11.3	10.0	113	10.2	10.0	102	77-127	10	20
Vinyl Acetate	ND	43.9	40.0	110	41.1	40.0	103	8-187	7	20
2,2-Dichloropropane	ND	10.5	10.0	105	9.70	10.0	97	25-154	8	20
2-Butanone (MEK)	ND	39.0	40.0	97	38.1	40.0	95	90-112	2	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	9.55	10.0	96	69-118	7	20
Bromochloromethane	ND	11.5	10.0	115	11.2	10.0	112	47-136	3	20
Chloroform	ND	10.9	10.0	109	10.2	10.0	102	48-143	7	20
1,1,1-Trichloroethane	ND	9.10	10.0	91	8.66	10.0	87	84-122	5	20
Carbon Tetrachloride	ND	9.85	10.0	99	9.44	10.0	94	79-120	4	20
1,1-Dichloropropene	ND	10.2	10.0	102	9.53	10.0	95	85-117	7	20
Benzene	ND	9.90	10.0	99	9.59	10.0	96	88-114	3	20
1,2-Dichloroethane	ND	10.2	10.0	102	9.95	10.0	100	75-112	2	20
Trichloroethene	ND	10.1	10.0	101	10.4	10.0	104	76-115	3	20
1,2-Dichloropropane	ND	10.0	10.0	100	9.96	10.0	100	85-107	1	20
Dibromomethane	ND	9.83	10.0	98	10.5	10.0	105	82-106	7	20
Bromodichloromethane	ND	9.33	10.0	93	9.39	10.0	94	83-107	1	20
cis-1,3-Dichloropropene	ND	10.7	10.0	107	10.5	10.0	105	70-114	2	20
4-Methyl-2-pentanone (MIBK)	ND	37.2	40.0	93	41.7	40.0	104	54-129	11	20
Toluene	ND	10.3	10.0	103	10.3	10.0	103	86-114	0	20
trans-1,3-Dichloropropene	ND	9.98	10.0	100	9.99	10.0	100	73-112	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000033

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300284-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300454

Analyte Name	Sample Result	Batch QCMS XWG0300454-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300454-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	9.49	10.0	95	9.32	10.0	93	79-112	2	20
Tetrachloroethene	ND	10.6	10.0	106	10.3	10.0	103	78-130	3	20
2-Hexanone	ND	34.8	40.0	87	36.7	40.0	92	77-112	5	20
1,3-Dichloropropane	ND	9.59	10.0	96	9.43	10.0	94	45-133	2	20
Dibromochloromethane	ND	9.41	10.0	94	9.47	10.0	95	74-108	1	20
1,2-Dibromoethane	ND	9.59	10.0	96	9.28	10.0	93	73-113	3	20
Chlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	84-111	1	20
1,1,1,2-Tetrachloroethane	ND	9.83	10.0	98	9.53	10.0	95	84-119	3	20
Ethylbenzene	ND	10.6	10.0	106	10.5	10.0	105	47-136	1	20
m,p-Xylenes	ND	21.6	20.0	108	21.1	20.0	105	84-120	3	20
o-Xylene	ND	10.3	10.0	103	10.1	10.0	101	47-143	2	20
Styrene	ND	10.7	10.0	107	10.5	10.0	105	72-121	2	20
Isopropylbenzene	ND	10.5	10.0	105	10.3	10.0	103	63-108	2	20
Bromobenzene	ND	11.0	10.0	110	11.1	10.0	111	80-113	1	20
1,2,3-Trichloropropane	ND	9.92	10.0	99	10.7	10.0	107	78-119	8	20
n-Propylbenzene	ND	11.1	10.0	111	10.7	10.0	107	76-117	3	20
2-Chlorotoluene	ND	10.7	10.0	107	10.4	10.0	104	79-121	3	20
4-Chlorotoluene	ND	10.9	10.0	109	10.5	10.0	105	70-133	4	20
1,3,5-Trimethylbenzene	ND	10.9	10.0	109	10.4	10.0	104	79-118	5	20
tert-Butylbenzene	ND	11.1	10.0	111	10.6	10.0	106	77-120	4	20
1,2,4-Trimethylbenzene	ND	10.9	10.0	109	10.7	10.0	107	68-127	2	20
sec-Butylbenzene	ND	10.5	10.0	105	10.1	10.0	101	78-123	3	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.5	10.0	105	78-127	2	20
4-Isopropyltoluene	ND	11.1	10.0	111	10.7	10.0	107	79-142	4	20
Bromoform	ND	9.10	10.0	91	9.55	10.0	96	83-111	5	20
1,1,2,2-Tetrachloroethane	ND	10.1	10.0	101	10.7	10.0	107	66-133	5	20
1,4-Dichlorobenzene	ND	10.1	10.0	101	10.2	10.0	102	48-139	1	20
1,2-Dichlorobenzene	ND	9.84	10.0	98	9.89	10.0	99	64-109	1	20
n-Butylbenzene	ND	10.5	10.0	105	10.3	10.0	103	69-122	2	20
1,2-Dibromo-3-chloropropane	ND	8.77	10.0	88	9.91	10.0	99	54-160	12	20
1,2,4-Trichlorobenzene	ND	9.63	10.0	96	10.3	10.0	103	39-145	7	20
Hexachlorobutadiene	ND	11.7	10.0	117 M1	11.9	10.0	119 M1	74-113	2	20
Naphthalene	ND	8.95	10.0	90	9.63	10.0	96	44-167	7	20
1,2,3-Trichlorobenzene	ND	10.8	10.0	108	11.5	10.0	115	37-158	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	Batch QCMS XWG0300459-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300459-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	2.99	10.0	30 M2	2.94	10.0	29 M2	78-207	2	20
Chloromethane	ND	5.67	10.0	57 M2	5.14	10.0	51 M2	70-157	10	20
Vinyl Chloride	ND	6.20	10.0	62 M2	6.18	10.0	62 M2	79-174	0	20
Bromomethane	ND	7.63	10.0	76	6.99	10.0	70	44-150	9	20
Chloroethane	ND	8.26	10.0	83	8.37	10.0	84	74-150	1	20
Trichlorofluoromethane	ND	7.91	10.0	79 M2	7.73	10.0	77 M2	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	10.0	10.0	100	9.57	10.0	96	67-128	4	20
1,1-Dichloroethene	ND	9.41	10.0	94	9.26	10.0	93	71-142	2	20
Acetone	ND	36.9	40.0	92	36.4	40.0	91	1-155	1	20
Iodomethane	ND	35.5	40.0	89	35.2	40.0	88	47-120	1	20
Carbon Disulfide	ND	37.6	40.0	94	36.4	40.0	91	77-126	3	20
Methylene Chloride	ND	9.54	10.0	95	9.19	10.0	92	83-106	4	20
Methyl tert-Butyl Ether	ND	8.70	10.0	87	7.79	10.0	78	70-118	11	20
trans-1,2-Dichloroethene	ND	10.0	10.0	100	9.88	10.0	99	86-115	1	20
1,1-Dichloroethane	ND	10.6	10.0	106	10.4	10.0	104	77-127	1	20
Vinyl Acetate	ND	42.3	40.0	106	36.2	40.0	91	8-187	16	20
2,2-Dichloropropane	ND	10.1	10.0	101	9.84	10.0	98	25-154	2	20
2-Butanone (MEK)	ND	41.9	40.0	105	38.1	40.0	95	90-112	9	20
cis-1,2-Dichloroethene	2.1	12.2	10.0	101	11.5	10.0	94	69-118	6	20
Bromochloromethane	ND	11.2	10.0	112	9.97	10.0	100	47-136	12	20
Chloroform	ND	11.3	10.0	113	10.8	10.0	108	48-143	5	20
1,1,1-Trichloroethane	ND	8.92	10.0	89	8.61	10.0	86	84-122	4	20
Carbon Tetrachloride	ND	9.37	10.0	94	9.15	10.0	92	79-120	2	20
1,1-Dichloropropene	ND	9.75	10.0	98	9.85	10.0	99	85-117	1	20
Benzene	ND	9.85	10.0	99	9.90	10.0	99	88-114	1	20
1,2-Dichloroethane	ND	10.0	10.0	100	9.86	10.0	99	75-112	2	20
Trichloroethene	2.1	13.3	10.0	112	13.6	10.0	115	76-115	2	20
1,2-Dichloropropane	ND	10.1	10.0	101	9.99	10.0	100	85-107	1	20
Dibromomethane	ND	9.85	10.0	99	10.0	10.0	100	82-106	2	20
Bromodichloromethane	ND	9.26	10.0	93	9.12	10.0	91	83-107	2	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	9.83	10.0	98	70-114	4	20
4-Methyl-2-pentanone (MIBK)	ND	38.5	40.0	96	33.9	40.0	85	54-129	13	20
Toluene	ND	9.91	10.0	99	10.1	10.0	101	86-114	2	20
trans-1,3-Dichloropropene	ND	10.2	10.0	102	9.33	10.0	93	73-112	9	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	Batch QCMS XWG0300459-1 Matrix Spike			Batch QCDMS XWG0300459-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1,2-Trichloroethane	ND	9.30	10.0	93	8.63	10.0	86	79-112	7	20
Tetrachloroethene	7.2	17.0	10.0	99	17.3	10.0	101	78-130	2	20
2-Hexanone	ND	35.5	40.0	89	34.5	40.0	86	77-112	3	20
1,3-Dichloropropane	ND	9.14	10.0	91	8.94	10.0	89	45-133	2	20
Dibromochloromethane	ND	9.26	10.0	93	8.87	10.0	89	74-108	4	20
1,2-Dibromoethane	ND	9.08	10.0	91	8.62	10.0	86	73-113	5	20
Chlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	84-111	0	20
1,1,1,2-Tetrachloroethane	ND	9.55	10.0	96	9.54	10.0	95	84-119	0	20
Ethylbenzene	ND	10.6	10.0	106	10.8	10.0	108	47-136	2	20
m,p-Xylenes	ND	21.3	20.0	107	22.0	20.0	110	84-120	3	20
o-Xylene	ND	10.2	10.0	102	10.4	10.0	104	47-143	2	20
Styrene	ND	10.5	10.0	105	10.1	10.0	101	72-121	3	20
Isopropylbenzene	ND	10.2	10.0	102	10.2	10.0	102	63-108	0	20
Bromobenzene	ND	11.1	10.0	111	10.5	10.0	105	80-113	6	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.18	10.0	92	78-119	10	20
n-Propylbenzene	ND	10.7	10.0	107	10.4	10.0	104	76-117	2	20
2-Chlorotoluene	ND	10.4	10.0	104	10.2	10.0	102	79-121	2	20
4-Chlorotoluene	ND	10.4	10.0	104	10.3	10.0	103	70-133	1	20
1,3,5-Trimethylbenzene	ND	10.5	10.0	105	10.2	10.0	102	79-118	3	20
tert-Butylbenzene	ND	10.6	10.0	106	10.2	10.0	102	77-120	4	20
1,2,4-Trimethylbenzene	ND	10.4	10.0	104	10.2	10.0	102	68-127	2	20
sec-Butylbenzene	ND	9.94	10.0	99	9.56	10.0	96	78-123	4	20
1,3-Dichlorobenzene	ND	10.3	10.0	103	9.84	10.0	98	78-127	4	20
4-Isopropyltoluene	ND	10.5	10.0	105	10.2	10.0	102	79-142	3	20
Bromoform	ND	9.10	10.0	91	9.36	10.0	94	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	10.6	10.0	106	10.5	10.0	105	66-133	1	20
1,4-Dichlorobenzene	ND	9.76	10.0	98	10.2	10.0	102	48-139	4	20
1,2-Dichlorobenzene	ND	9.72	10.0	97	9.66	10.0	97	64-109	1	20
n-Butylbenzene	ND	10.3	10.0	103	10.4	10.0	104	69-122	1	20
1,2-Dibromo-3-chloropropane	ND	9.06	10.0	91	9.13	10.0	91	54-160	1	20
1,2,4-Trichlorobenzene	ND	10.3	10.0	103	9.57	10.0	96	39-145	8	20
Hexachlorobutadiene	ND	12.0	10.0	120 M1	10.9	10.0	109	74-113	10	20
Naphthalene	ND	9.81	10.0	98	8.52	10.0	85	44-167	14	20
1,2,3-Trichlorobenzene	ND	12.1	10.0	121	10.5	10.0	105	37-158	14	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000036

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300454

	Lab Control Sample XWG0300454-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300454-4 Duplicate Lab Control Spike			%Rec		RPD
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**Limits**	**RPD**	**Limit**
Dichlorodifluoromethane	3.59	10.0	36	3.43	10.0	34	1-233	5	20
Chloromethane	6.38	10.0	64	6.08	10.0	61	46-156	5	20
Vinyl Chloride	6.90	10.0	69	6.74	10.0	67	51-158	2	20
Bromomethane	8.51	10.0	85	7.61	10.0	76	37-149	11	20
Chloroethane	9.48	10.0	95	8.80	10.0	88	56-146	7	20
Trichlorofluoromethane	8.51	10.0	85	7.38	10.0	74	69-139	14	20
1,1,2-Trichlorotrifluoroethane	10.6	10.0	106	9.92	10.0	99	83-130	6	20
1,1-Dichloroethene	9.53	10.0	95	8.78	10.0	88	65-112	8	20
Acetone	42.9	40.0	107	47.1	40.0	118	68-128	10	20
Iodomethane	40.4	40.0	101	38.8	40.0	97	68-144	4	20
Carbon Disulfide	40.9	40.0	102	38.7	40.0	97	67-140	6	20
Methylene Chloride	10.2	10.0	102	10.3	10.0	103	70-113	1	20
Methyl tert-Butyl Ether	8.86	10.0	89	9.05	10.0	91	75-115	2	20
trans-1,2-Dichloroethene	10.6	10.0	106	9.87	10.0	99	73-118	7	20
1,1-Dichloroethane	10.5	10.0	105	10.4	10.0	104	77-127	2	20
Vinyl Acetate	43.7	40.0	109	44.8	40.0	112	51-202	2	39
2,2-Dichloropropane	9.81	10.0	98	9.46	10.0	95	75-132	4	20
2-Butanone (MEK)	36.5	40.0	91	40.5	40.0	101	72-122	10	20
cis-1,2-Dichloroethene	9.82	10.0	98	9.81	10.0	98	81-118	0	20
Bromochloromethane	11.5	10.0	115 L1	11.5	10.0	115 L1	82-114	1	20
Chloroform	10.1	10.0	101	10.2	10.0	102	78-119	1	20
1,1,1-Trichloroethane	8.64	10.0	86	8.41	10.0	84	71-125	3	20
Carbon Tetrachloride	9.11	10.0	91	8.86	10.0	89	69-130	3	20
1,1-Dichloropropene	9.74	10.0	97	9.10	10.0	91	77-114	7	20
Benzene	9.30	10.0	93	9.33	10.0	93	81-117	0	20
1,2-Dichloroethane	10.0	10.0	100	10.0	10.0	100	67-122	0	20
Trichloroethene	10.1	10.0	101	9.99	10.0	100	79-114	1	20
1,2-Dichloropropane	10.1	10.0	101	9.95	10.0	100	78-114	1	20
Dibromomethane	10.9	10.0	109	10.7	10.0	107	78-113	2	20
Bromodichloromethane	9.52	10.0	95	9.65	10.0	97	79-122	1	20
cis-1,3-Dichloropropene	10.8	10.0	108	11.0	10.0	110	82-118	2	20
4-Methyl-2-pentanone (MIBK)	40.2	40.0	101	40.0	40.0	100	75-115	0	20
Toluene	10.2	10.0	102	10.3	10.0	103	85-118	1	20
trans-1,3-Dichloropropene	10.5	10.0	105	11.0	10.0	110	79-121	4	20
1,1,2-Trichloroethane	9.74	10.0	97	10.2	10.0	102	79-116	4	20
Tetrachloroethene	10.2	10.0	102	9.84	10.0	98	76-127	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/03/2003
Date Analyzed: 04/03/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300454

Analyte Name	Lab Control Sample XWG0300454-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300454-4 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Expected	%Rec	Result	Expected	%Rec			
2-Hexanone	36.7	40.0	92	41.9	40.0	105	65-120	13	20
1,3-Dichloropropane	10.1	10.0	101	10.4	10.0	104	81-116	3	20
Dibromochloromethane	10.1	10.0	101	10.4	10.0	104	77-119	3	20
1,2-Dibromoethane	9.95	10.0	100	10.4	10.0	104	79-116	4	20
Chlorobenzene	10.1	10.0	101	10.2	10.0	102	84-114	2	20
1,1,1,2-Tetrachloroethane	9.55	10.0	96	9.55	10.0	96	78-118	0	20
Ethylbenzene	10.3	10.0	103	10.2	10.0	102	79-124	1	20
m,p-Xylenes	21.1	20.0	105	20.4	20.0	102	75-131	3	20
o-Xylene	10.1	10.0	101	9.82	10.0	98	78-122	3	20
Styrene	10.4	10.0	104	10.4	10.0	104	80-126	0	20
Isopropylbenzene	9.92	10.0	99	9.80	10.0	98	75-126	1	20
Bromobenzene	10.8	10.0	108	10.8	10.0	108	82-122	1	20
1,2,3-Trichloropropane	10.1	10.0	101	10.3	10.0	103	77-118	2	20
n-Propylbenzene	10.4	10.0	104	10.2	10.0	102	75-129	2	20
2-Chlorotoluene	9.98	10.0	100	10.0	10.0	100	77-126	0	20
4-Chlorotoluene	10.2	10.0	102	10.1	10.0	101	82-120	0	20
1,3,5-Trimethylbenzene	10.1	10.0	101	9.97	10.0	100	75-130	1	20
tert-Butylbenzene	10.1	10.0	101	10.0	10.0	100	73-130	1	20
1,2,4-Trimethylbenzene	10.2	10.0	102	10.1	10.0	101	60-137	1	20
sec-Butylbenzene	9.50	10.0	95	9.29	10.0	93	68-131	2	20
1,3-Dichlorobenzene	10.0	10.0	100	10.1	10.0	101	71-137	1	20
4-Isopropyltoluene	10.1	10.0	101	9.98	10.0	100	68-134	1	20
Bromoform	10.4	10.0	104	9.52	10.0	95	70-118	9	20
1,1,2,2-Tetrachloroethane	11.1	10.0	111	10.9	10.0	109	72-122	2	20
1,4-Dichlorobenzene	10.2	10.0	102	9.83	10.0	98	82-114	4	20
1,2-Dichlorobenzene	9.65	10.0	97	9.88	10.0	99	81-118	2	20
n-Butylbenzene	10.1	10.0	101	9.68	10.0	97	71-125	4	20
1,2-Dibromo-3-chloropropane	8.72	10.0	87	8.91	10.0	89	55-131	2	20
1,2,4-Trichlorobenzene	9.80	10.0	98	9.44	10.0	94	75-123	4	20
Hexachlorobutadiene	10.8	10.0	108	10.2	10.0	102	63-140	6	20
Naphthalene	9.18	10.0	92	9.37	10.0	94	67-125	2	20
1,2,3-Trichlorobenzene	11.1	10.0	111	10.9	10.0	109	72-124	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

Analyte Name	Lab Control Sample XWG0300459-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	2.60	10.0	26	1.46	10.0	15	1-233	56 R7	20
Chloromethane	5.56	10.0	56	4.09	10.0	41 L2	46-156	30 R7	20
Vinyl Chloride	6.16	10.0	62	4.27	10.0	43 L2	51-158	36 R7	20
Bromomethane	7.58	10.0	76	6.64	10.0	66	37-149	13	20
Chloroethane	8.15	10.0	82	7.34	10.0	73	56-146	10	20
Trichlorofluoromethane	7.39	10.0	74	5.45	10.0	55 L2	69-139	30 R7	20
1,1,2-Trichlorotrifluoroethane	8.53	10.0	85	6.56	10.0	66 L2	83-130	26 R7	20
1,1-Dichloroethene	8.29	10.0	83	6.46	10.0	65	65-112	25 R7	20
Acetone	47.8	40.0	120	44.3	40.0	111	68-128	8	20
Iodomethane	35.0	40.0	88	33.2	40.0	83	68-144	5	20
Carbon Disulfide	36.0	40.0	90	29.0	40.0	73	67-140	21 R7	20
Methylene Chloride	10.6	10.0	106	9.76	10.0	98	70-113	9	20
Methyl tert-Butyl Ether	9.04	10.0	90	9.00	10.0	90	75-115	0	20
trans-1,2-Dichloroethene	9.79	10.0	98	8.51	10.0	85	73-118	14	20
1,1-Dichloroethane	10.4	10.0	104	9.43	10.0	94	77-127	9	20
Vinyl Acetate	42.8	40.0	107	41.2	40.0	103	51-202	4	39
2,2-Dichloropropane	8.72	10.0	87	7.90	10.0	79	75-132	10	20
2-Butanone (MEK)	32.3	40.0	81	38.4	40.0	96	72-122	17	20
cis-1,2-Dichloroethene	9.47	10.0	95	9.26	10.0	93	81-118	2	20
Bromochloromethane	11.3	10.0	113	11.7	10.0	117 L1	82-114	3	20
Chloroform	10.2	10.0	102	9.78	10.0	98	78-119	4	20
1,1,1-Trichloroethane	7.67	10.0	77	6.64	10.0	66 L2	71-125	14	20
Carbon Tetrachloride	8.00	10.0	80	6.91	10.0	69	69-130	15	20
1,1-Dichloropropene	8.47	10.0	85	7.13	10.0	71 L2	77-114	17	20
Benzene	9.06	10.0	91	8.48	10.0	85	81-117	7	20
1,2-Dichloroethane	10.0	10.0	100	9.79	10.0	98	67-122	2	20
Trichloroethene	9.21	10.0	92	8.44	10.0	84	79-114	9	20
1,2-Dichloropropane	9.98	10.0	100	9.86	10.0	99	78-114	1	20
Dibromomethane	10.4	10.0	104	10.8	10.0	108	78-113	4	20
Bromodichloromethane	9.39	10.0	94	9.16	10.0	92	79-122	2	20
cis-1,3-Dichloropropene	10.9	10.0	109	10.8	10.0	108	82-118	1	20
4-Methyl-2-pentanone (MIBK)	41.1	40.0	103	43.6	40.0	109	75-115	6	20
Toluene	9.58	10.0	96	9.00	10.0	90	85-118	6	20
trans-1,3-Dichloropropene	10.6	10.0	106	10.4	10.0	104	79-121	2	20
1,1,2-Trichloroethane	9.93	10.0	99	9.97	10.0	100	79-116	0	20
Tetrachloroethene	8.99	10.0	90	7.90	10.0	79	76-127	13	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000039

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103157
Sample Matrix: Water

Service Request: X2300283
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

Analyte Name	Lab Control Sample XWG0300459-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	39.2	40.0	98	40.3	40.0	101	65-120	3	20
1,3-Dichloropropane	9.93	10.0	99	10.4	10.0	104	81-116	5	20
Dibromochloromethane	10.1	10.0	101	10.1	10.0	101	77-119	0	20
1,2-Dibromoethane	9.98	10.0	100	9.98	10.0	100	79-116	0	20
Chlorobenzene	9.66	10.0	97	9.60	10.0	96	84-114	1	20
1,1,1,2-Tetrachloroethane	9.51	10.0	95	9.29	10.0	93	78-118	2	20
Ethylbenzene	9.55	10.0	96	8.95	10.0	90	79-124	6	20
m,p-Xylenes	19.6	20.0	98	18.5	20.0	93	75-131	6	20
o-Xylene	9.75	10.0	98	9.44	10.0	94	78-122	3	20
Styrene	10.2	10.0	102	10.1	10.0	101	80-126	2	20
Isopropylbenzene	9.20	10.0	92	8.47	10.0	85	75-126	8	20
Bromobenzene	10.9	10.0	109	10.9	10.0	109	82-122	0	20
1,2,3-Trichloropropane	10.3	10.0	103	10.1	10.0	101	77-118	2	20
n-Propylbenzene	9.66	10.0	97	8.80	10.0	88	75-129	9	20
2-Chlorotoluene	9.93	10.0	99	9.25	10.0	93	77-126	7	20
4-Chlorotoluene	9.98	10.0	100	9.70	10.0	97	82-120	3	20
1,3,5-Trimethylbenzene	9.84	10.0	98	9.27	10.0	93	75-130	6	20
tert-Butylbenzene	9.46	10.0	95	8.42	10.0	84	73-130	12	20
1,2,4-Trimethylbenzene	9.97	10.0	100	9.53	10.0	95	60-137	5	20
sec-Butylbenzene	8.89	10.0	89	7.71	10.0	77	68-131	14	20
1,3-Dichlorobenzene	10.2	10.0	102	9.91	10.0	99	71-137	3	20
4-Isopropyltoluene	9.67	10.0	97	8.66	10.0	87	68-134	11	20
Bromoform	9.32	10.0	93	9.96	10.0	100	70-118	7	20
1,1,2,2-Tetrachloroethane	10.9	10.0	109	11.6	10.0	116	72-122	7	20
1,4-Dichlorobenzene	9.76	10.0	98	10.0	10.0	100	82-114	3	20
1,2-Dichlorobenzene	9.63	10.0	96	9.67	10.0	97	81-118	0	20
n-Butylbenzene	8.98	10.0	90	8.23	10.0	82	71-125	9	20
1,2-Dibromo-3-chloropropane	7.97	10.0	80	8.66	10.0	87	55-131	8	20
1,2,4-Trichlorobenzene	9.57	10.0	96	9.74	10.0	97	75-123	2	20
Hexachlorobutadiene	9.70	10.0	97	9.06	10.0	91	63-140	7	20
Naphthalene	8.85	10.0	89	9.60	10.0	96	67-125	8	20
1,2,3-Trichlorobenzene	10.4	10.0	104	11.1	10.0	111	72-124	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 7, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 27, 2003. For your reference, these analyses have been assigned our service request number L2300695.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000042

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300695

Sample Name :	Lab Code :
Batch QC	L2300676-001
Batch QC	L2300676-001S
Batch QC	L2300676-001SD
Laboratory Control Sample	L2300676-LCS
Method Blank	L2300676-MB
AVB72-0100-07120	L2300695-001
AVB70-0100-07103	L2300695-002
AVB57-0100-16095	L2300695-003
AVB118-0100-01100	L2300695-004
AVB118-0104-1000	L2300695-005

Approved By: _____ Date: 4/7/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB72-0100-07120
Lab Code : L2300695-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	1530	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB72-0100-07120
Lab Code : L2300695-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB70-0100-07103
Lab Code : L2300695-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	140	

000048

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB70-0100-07103
Lab Code : L2300695-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

090047

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB57-0100-16095
Lab Code : L2300695-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	186	

090648

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB57-0100-16095
Lab Code : L2300695-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB118-0100-01100
Lab Code : L2300695-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB118-0100-01100
Lab Code : L2300695-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000051

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB118-0104-1000
Lab Code : L2300695-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : 03/27/03
Date Received : 03/27/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB118-0104-1000
Lab Code : L2300695-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000053

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300695
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	04/02/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300676-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000054

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300695
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300676-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	522	104	87-111	

000055

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300695
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	04/02/03
		Date Analyzed :	04/04/03

Matrix Spike Summary
Total Metals

Sample Name :	Batch QC	**Units :**	ug/L (ppb)
Lab Code :	L2300676-001S	**Basis :**	NA

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	10	500	ND	505	101	87-105	

000056

Columbia Analytical Services INC.
An Employee - Owned Company

L2300695

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-27-03 PAGE 1 OF 1

PROJECT NAME WVB #03103184

PROJECT MANAGER Chuck Gordan

COMPANY/ADDRESS Back

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB2D-0100-07120	3-27	8:00	0283-01	AQ	ACN HNO3	5													1	1			
AVB70-0100-07103	3-27	9:30	02	"	"	5													1	1			
AVB57-0100-16095	"	10:30	03	"	"	5													1	1			
AVB118-0100-01100	"	11:50	04	"	"	5													1	1			
AVB118-0104-1000	"	12:25	05	"	"	5													1	1			
AVB40-0102-100	"	—	06	"	HCl	1	1																

SPECIAL INSTRUCTIONS/COMMENTS:

2300695

REPORT REQUIREMENTS

- I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# ___

Bill To ___

SAMPLE RECEIPT:

Shipping VIA: ___

Shipping #: ___

Condition: ___

Lab No: X2300283

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Back	3-27 12:50		CAS	3-27-03 12:50
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	CAS	3-27-03 16:30	Fedex		
Relinquished By (Signature) Fedex	Organization	Date/Time	Received By (Signature)	Organization CAS	Date/Time 3/28/03 0900

ANALYSIS TAT (Circle One)

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0695 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ____ No ✓ (See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-1L PL (NP) A
1-1L PL (HNO3) B

Comments

Note: Filter & preserve diss Cr in lab. Benny called 3/28/03 1015

Initials, Date, Time LK 3/28/03 1005 3/28/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000058

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-27-03 PAGE 1 OF 1

PROJECT NAME WVB #03103184

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beck

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVBZ-0100-07120	3.27	8.00	0283-01	AQ	HNO3	5		3											1	1			
AVB70-0100-07103	3.27	9.30	02	"	"	5		3											1	1			
AVB71-0100-16095	"	10.30	03	"	"	5		3											1	1			
AVB118-0100-01100	"	11.50	04	"	"	5		3											1	1			
AVB118-0104-1000	"	12.25	05	"	"	5		3											1	1			
AVB118-0102-1000	"	—	06	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA:

Shipping #:

Condition:

Lab No: X2300283

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beck	3.27 12:50		CAS	3-27-03 12:50
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT (Circle One)

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0283

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K TERRANEXT Project Name: WVB

Sample(s) Received on: 3/27/03 date 12:20 time

VOA's ☒ 16 Glass Bottles ☐ Plastic Bottles ☒ 10 Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☐

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☒
3. Are the signature and date correct?	Yes ☒	No ☐
4. Did all containers arrive in good condition?	Yes ☒	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☒	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☒	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☒	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.3°C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): _____

Columbia Analytical Services INC.
An Employee-Owned Company

April 11, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 26, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300694). For your reference, the 8260 analyses have been assigned our service request number X2300279.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300279
Project:	WVB / #03103154	**Date Received:**	3/26/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier III data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Matrix spike (XWG0300459-1 and XWG0300459-2) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300459-1) recovery of Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

The associated blank spike (XWG0300459-3 and XWG0300459-4) recovery of several analytes for Method 8260B was below the laboratory acceptance limit. These compounds were seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compounds would be detected if present in the samples.

LCS/DLCS (XWG0300459-3 and XWG0300459-4) RPD for several analytes for Method 8260B exceeded the labortory control limit. Recovery met acceptance criteria.

The associated blank spike (XWG0300459-4) recovery of Bromochloromethane, Method 8260, was above laboratory acceptance limits. This compound was not detected in any of the samples analyzed in this batch.

Approved by _____ **Date** 4-14-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300279

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB76-0100-07108	X2300279-001	03/26/2003	03/26/2003
AVB75-0100-07118	X2300279-002	03/26/2003	03/26/2003
AVB73-0100-07109	X2300279-003	03/26/2003	03/26/2003
AVB73-0104-1000	X2300279-004	03/26/2003	03/26/2003
AVB73-0102-1000	X2300279-005	03/26/2003	03/26/2003
AVB75-0100-07118MS	XWG0300459-1	03/26/2003	03/26/2003
AVB75-0100-07118DMS	XWG0300459-2	03/26/2003	03/26/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-14-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB76-0100-07108
Lab Code: X2300279-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	**11**		10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	**1.2**		0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB76-0100-07108
Lab Code: X2300279-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	**0.50**		0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB76-0100-07108
Lab Code: X2300279-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	04/04/03	
Toluene-d8	102	68-126	04/04/03	
4-Bromofluorobenzene	98	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB75-0100-07118
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	**2.1**		0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	**2.1**		0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB75-0100-07118
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	**7.2**		0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB75-0100-07118
Lab Code: X2300279-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	04/04/03	
Toluene-d8	106	68-126	04/04/03	
4-Bromofluorobenzene	95	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0100-07109
Lab Code: X2300279-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	**0.60**		0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0100-07109
Lab Code: X2300279-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	**12**		0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0100-07109
Lab Code: X2300279-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	97	84-113	04/04/03	
Toluene-d8	104	68-126	04/04/03	
4-Bromofluorobenzene	92	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0104-1000
Lab Code: X2300279-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0104-1000
Lab Code: X2300279-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0104-1000
Lab Code: X2300279-004

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	97	84-113	04/04/03	
Toluene-d8	106	68-126	04/04/03	
4-Bromofluorobenzene	91	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0102-1000
Lab Code: X2300279-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0102-1000
Lab Code: X2300279-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: 03/26/2003
Date Received: 03/26/2003

Volatile Organic Compounds

Sample Name: AVB73-0102-1000
Lab Code: X2300279-005

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	04/04/03	
Toluene-d8	106	68-126	04/04/03	
4-Bromofluorobenzene	97	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/04/03	04/04/03	
Chloromethane	ND	U	2.0	1	04/04/03	04/04/03	
Vinyl Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Bromomethane	ND	U	1.0	1	04/04/03	04/04/03	
Chloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Trichlorofluoromethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,1-Dichloroethene	ND	U	1.0	1	04/04/03	04/04/03	
Acetone	ND	U	10	1	04/04/03	04/04/03	
Iodomethane	ND	U	2.0	1	04/04/03	04/04/03	
Carbon Disulfide	ND	U	2.0	1	04/04/03	04/04/03	
Methylene Chloride	ND	U	1.0	1	04/04/03	04/04/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/04/03	04/04/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Vinyl Acetate	ND	U	3.0	1	04/04/03	04/04/03	
2,2-Dichloropropane	ND	U	2.0	1	04/04/03	04/04/03	
2-Butanone (MEK)	ND	U	8.0	1	04/04/03	04/04/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
Bromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
Chloroform	ND	U	1.0	1	04/04/03	04/04/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Carbon Tetrachloride	ND	U	0.50	1	04/04/03	04/04/03	
1,1-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
Benzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Trichloroethene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichloropropane	ND	U	0.50	1	04/04/03	04/04/03	
Dibromomethane	ND	U	0.50	1	04/04/03	04/04/03	
Bromodichloromethane	ND	U	0.50	1	04/04/03	04/04/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/04/03	04/04/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/04/03	04/04/03	
Toluene	ND	U	0.50	1	04/04/03	04/04/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/04/03	04/04/03	
Tetrachloroethene	ND	U	0.50	1	04/04/03	04/04/03	
2-Hexanone	ND	U	5.0	1	04/04/03	04/04/03	
1,3-Dichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
Dibromochloromethane	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromoethane	ND	U	0.50	1	04/04/03	04/04/03	
Chlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/04/03	04/04/03	
Ethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
m,p-Xylenes	ND	U	1.0	1	04/04/03	04/04/03	
o-Xylene	ND	U	0.50	1	04/04/03	04/04/03	
Styrene	ND	U	0.50	1	04/04/03	04/04/03	
Isopropylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
Bromobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/04/03	04/04/03	
n-Propylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
2-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
4-Chlorotoluene	ND	U	0.50	1	04/04/03	04/04/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
tert-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
sec-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
4-Isopropyltoluene	ND	U	0.50	1	04/04/03	04/04/03	
Bromoform	ND	U	0.50	1	04/04/03	04/04/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/04/03	04/04/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
n-Butylbenzene	ND	U	0.50	1	04/04/03	04/04/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/04/03	04/04/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	
Hexachlorobutadiene	ND	U	0.50	1	04/04/03	04/04/03	
Naphthalene	ND	U	3.0	1	04/04/03	04/04/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/04/03	04/04/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300459-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	04/04/03	
Toluene-d8	100	68-126	04/04/03	
4-Bromofluorobenzene	92	79-113	04/04/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB76-0100-07108	X2300279-001	106	102	98
AVB75-0100-07118	X2300279-002	102	106	95
AVB73-0100-07109	X2300279-003	97	104	92
AVB73-0104-1000	X2300279-004	97	106	91
AVB73-0102-1000	X2300279-005	104	106	97
Method Blank	XWG0300459-5	98	100	92
AVB75-0100-07118MS	XWG0300459-1	102	99	98
AVB75-0100-07118DMS	XWG0300459-2	96	101	94
Lab Control Sample	XWG0300459-3	97	100	96
Duplicate Lab Control Sample	XWG0300459-4	99	95	95

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB75-0100-07118
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	AVB75-0100-07118MS XWG0300459-1 Matrix Spike Result	Expected	%Rec	AVB75-0100-07118DMS XWG0300459-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	2.99	10.0	30 M2	2.94	10.0	29 M2	78-207	2	20
Chloromethane	ND	5.67	10.0	57 M2	5.14	10.0	51 M2	70-157	10	20
Vinyl Chloride	ND	6.20	10.0	62 M2	6.18	10.0	62 M2	79-174	0	20
Bromomethane	ND	7.63	10.0	76	6.99	10.0	70	44-150	9	20
Chloroethane	ND	8.26	10.0	83	8.37	10.0	84	74-150	1	20
Trichlorofluoromethane	ND	7.91	10.0	79 M2	7.73	10.0	77 M2	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	10.0	10.0	100	9.57	10.0	96	67-128	4	20
1,1-Dichloroethene	ND	9.41	10.0	94	9.26	10.0	93	71-142	2	20
Acetone	ND	36.9	40.0	92	36.4	40.0	91	1-155	1	20
Iodomethane	ND	35.5	40.0	89	35.2	40.0	88	47-120	1	20
Carbon Disulfide	ND	37.6	40.0	94	36.4	40.0	91	77-126	3	20
Methylene Chloride	ND	9.54	10.0	95	9.19	10.0	92	83-106	4	20
Methyl tert-Butyl Ether	ND	8.70	10.0	87	7.79	10.0	78	70-118	11	20
trans-1,2-Dichloroethene	ND	10.0	10.0	100	9.88	10.0	99	86-115	1	20
1,1-Dichloroethane	ND	10.6	10.0	106	10.4	10.0	104	77-127	1	20
Vinyl Acetate	ND	42.3	40.0	106	36.2	40.0	91	8-187	16	20
2,2-Dichloropropane	ND	10.1	10.0	101	9.84	10.0	98	25-154	2	20
2-Butanone (MEK)	ND	41.9	40.0	105	38.1	40.0	95	90-112	9	20
cis-1,2-Dichloroethene	2.1	12.2	10.0	101	11.5	10.0	94	69-118	6	20
Bromochloromethane	ND	11.2	10.0	112	9.97	10.0	100	47-136	12	20
Chloroform	ND	11.3	10.0	113	10.8	10.0	108	48-143	5	20
1,1,1-Trichloroethane	ND	8.92	10.0	89	8.61	10.0	86	84-122	4	20
Carbon Tetrachloride	ND	9.37	10.0	94	9.15	10.0	92	79-120	2	20
1,1-Dichloropropene	ND	9.75	10.0	98	9.85	10.0	99	85-117	1	20
Benzene	ND	9.85	10.0	99	9.90	10.0	99	88-114	1	20
1,2-Dichloroethane	ND	10.0	10.0	100	9.86	10.0	99	75-112	2	20
Trichloroethene	2.1	13.3	10.0	112	13.6	10.0	115	76-115	2	20
1,2-Dichloropropane	ND	10.1	10.0	101	9.99	10.0	100	85-107	1	20
Dibromomethane	ND	9.85	10.0	99	10.0	10.0	100	82-106	2	20
Bromodichloromethane	ND	9.26	10.0	93	9.12	10.0	91	83-107	2	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	9.83	10.0	98	70-114	4	20
4-Methyl-2-pentanone (MIBK)	ND	38.5	40.0	96	33.9	40.0	85	54-129	13	20
Toluene	ND	9.91	10.0	99	10.1	10.0	101	86-114	2	20
trans-1,3-Dichloropropene	ND	10.2	10.0	102	9.33	10.0	93	73-112	9	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000027

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB75-0100-07118
Lab Code: X2300279-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300459

Analyte Name	Sample Result	AVB75-0100-07118MS XWG0300459-1 Matrix Spike			AVB75-0100-07118DMS XWG0300459-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1,2-Trichloroethane	ND	9.30	10.0	93	8.63	10.0	86	79-112	7	20
Tetrachloroethene	7.2	17.0	10.0	99	17.3	10.0	101	78-130	2	20
2-Hexanone	ND	35.5	40.0	89	34.5	40.0	86	77-112	3	20
1,3-Dichloropropane	ND	9.14	10.0	91	8.94	10.0	89	45-133	2	20
Dibromochloromethane	ND	9.26	10.0	93	8.87	10.0	89	74-108	4	20
1,2-Dibromoethane	ND	9.08	10.0	91	8.62	10.0	86	73-113	5	20
Chlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	84-111	0	20
1,1,1,2-Tetrachloroethane	ND	9.55	10.0	96	9.54	10.0	95	84-119	0	20
Ethylbenzene	ND	10.6	10.0	106	10.8	10.0	108	47-136	2	20
m,p-Xylenes	ND	21.3	20.0	107	22.0	20.0	110	84-120	3	20
o-Xylene	ND	10.2	10.0	102	10.4	10.0	104	47-143	2	20
Styrene	ND	10.5	10.0	105	10.1	10.0	101	72-121	3	20
Isopropylbenzene	ND	10.2	10.0	102	10.2	10.0	102	63-108	0	20
Bromobenzene	ND	11.1	10.0	111	10.5	10.0	105	80-113	6	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.18	10.0	92	78-119	10	20
n-Propylbenzene	ND	10.7	10.0	107	10.4	10.0	104	76-117	2	20
2-Chlorotoluene	ND	10.4	10.0	104	10.2	10.0	102	79-121	2	20
4-Chlorotoluene	ND	10.4	10.0	104	10.3	10.0	103	70-133	1	20
1,3,5-Trimethylbenzene	ND	10.5	10.0	105	10.2	10.0	102	79-118	3	20
tert-Butylbenzene	ND	10.6	10.0	106	10.2	10.0	102	77-120	4	20
1,2,4-Trimethylbenzene	ND	10.4	10.0	104	10.2	10.0	102	68-127	2	20
sec-Butylbenzene	ND	9.94	10.0	99	9.56	10.0	96	78-123	4	20
1,3-Dichlorobenzene	ND	10.3	10.0	103	9.84	10.0	98	78-127	4	20
4-Isopropyltoluene	ND	10.5	10.0	105	10.2	10.0	102	79-142	3	20
Bromoform	ND	9.10	10.0	91	9.36	10.0	94	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	10.6	10.0	106	10.5	10.0	105	66-133	1	20
1,4-Dichlorobenzene	ND	9.76	10.0	98	10.2	10.0	102	48-139	4	20
1,2-Dichlorobenzene	ND	9.72	10.0	97	9.66	10.0	97	64-109	1	20
n-Butylbenzene	ND	10.3	10.0	103	10.4	10.0	104	69-122	1	20
1,2-Dibromo-3-chloropropane	ND	9.06	10.0	91	9.13	10.0	91	54-160	1	20
1,2,4-Trichlorobenzene	ND	10.3	10.0	103	9.57	10.0	96	39-145	8	20
Hexachlorobutadiene	ND	12.0	10.0	120 M1	10.9	10.0	109	74-113	10	20
Naphthalene	ND	9.81	10.0	98	8.52	10.0	85	44-167	14	20
1,2,3-Trichlorobenzene	ND	12.1	10.0	121	10.5	10.0	105	37-158	14	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

	Lab Control Sample XWG0300459-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	2.60	10.0	26	1.46	10.0	15	1-233	56 R7	20
Chloromethane	5.56	10.0	56	4.09	10.0	41 L2	46-156	30 R7	20
Vinyl Chloride	6.16	10.0	62	4.27	10.0	43 L2	51-158	36 R7	20
Bromomethane	7.58	10.0	76	6.64	10.0	66	37-149	13	20
Chloroethane	8.15	10.0	82	7.34	10.0	73	56-146	10	20
Trichlorofluoromethane	7.39	10.0	74	5.45	10.0	55 L2	69-139	30 R7	20
1,1,2-Trichlorotrifluoroethane	8.53	10.0	85	6.56	10.0	66 L2	83-130	26 R7	20
1,1-Dichloroethene	8.29	10.0	83	6.46	10.0	65	65-112	25 R7	20
Acetone	47.8	40.0	120	44.3	40.0	111	68-128	8	20
Iodomethane	35.0	40.0	88	33.2	40.0	83	68-144	5	20
Carbon Disulfide	36.0	40.0	90	29.0	40.0	73	67-140	21 R7	20
Methylene Chloride	10.6	10.0	106	9.76	10.0	98	70-113	9	20
Methyl tert-Butyl Ether	9.04	10.0	90	9.00	10.0	90	75-115	0	20
trans-1,2-Dichloroethene	9.79	10.0	98	8.51	10.0	85	73-118	14	20
1,1-Dichloroethane	10.4	10.0	104	9.43	10.0	94	77-127	9	20
Vinyl Acetate	42.8	40.0	107	41.2	40.0	103	51-202	4	39
2,2-Dichloropropane	8.72	10.0	87	7.90	10.0	79	75-132	10	20
2-Butanone (MEK)	32.3	40.0	81	38.4	40.0	96	72-122	17	20
cis-1,2-Dichloroethene	9.47	10.0	95	9.26	10.0	93	81-118	2	20
Bromochloromethane	11.3	10.0	113	11.7	10.0	117 L1	82-114	3	20
Chloroform	10.2	10.0	102	9.78	10.0	98	78-119	4	20
1,1,1-Trichloroethane	7.67	10.0	77	6.64	10.0	66 L2	71-125	14	20
Carbon Tetrachloride	8.00	10.0	80	6.91	10.0	69	69-130	15	20
1,1-Dichloropropene	8.47	10.0	85	7.13	10.0	71 L2	77-114	17	20
Benzene	9.06	10.0	91	8.48	10.0	85	81-117	7	20
1,2-Dichloroethane	10.0	10.0	100	9.79	10.0	98	67-122	2	20
Trichloroethene	9.21	10.0	92	8.44	10.0	84	79-114	9	20
1,2-Dichloropropane	9.98	10.0	100	9.86	10.0	99	78-114	1	20
Dibromomethane	10.4	10.0	104	10.8	10.0	108	78-113	4	20
Bromodichloromethane	9.39	10.0	94	9.16	10.0	92	79-122	2	20
cis-1,3-Dichloropropene	10.9	10.0	109	10.8	10.0	108	82-118	1	20
4-Methyl-2-pentanone (MIBK)	41.1	40.0	103	43.6	40.0	109	75-115	6	20
Toluene	9.58	10.0	96	9.00	10.0	90	85-118	6	20
trans-1,3-Dichloropropene	10.6	10.0	106	10.4	10.0	104	79-121	2	20
1,1,2-Trichloroethane	9.93	10.0	99	9.97	10.0	100	79-116	0	20
Tetrachloroethene	8.99	10.0	90	7.90	10.0	79	76-127	13	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300279
Date Extracted: 04/04/2003
Date Analyzed: 04/04/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300459

	Lab Control Sample XWG0300459-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300459-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
2-Hexanone	39.2	40.0	98	40.3	40.0	101	65-120	3	20
1,3-Dichloropropane	9.93	10.0	99	10.4	10.0	104	81-116	5	20
Dibromochloromethane	10.1	10.0	101	10.1	10.0	101	77-119	0	20
1,2-Dibromoethane	9.98	10.0	100	9.98	10.0	100	79-116	0	20
Chlorobenzene	9.66	10.0	97	9.60	10.0	96	84-114	1	20
1,1,1,2-Tetrachloroethane	9.51	10.0	95	9.29	10.0	93	78-118	2	20
Ethylbenzene	9.55	10.0	96	8.95	10.0	90	79-124	6	20
m,p-Xylenes	19.6	20.0	98	18.5	20.0	93	75-131	6	20
o-Xylene	9.75	10.0	98	9.44	10.0	94	78-122	3	20
Styrene	10.2	10.0	102	10.1	10.0	101	80-126	2	20
Isopropylbenzene	9.20	10.0	92	8.47	10.0	85	75-126	8	20
Bromobenzene	10.9	10.0	109	10.9	10.0	109	82-122	0	20
1,2,3-Trichloropropane	10.3	10.0	103	10.1	10.0	101	77-118	2	20
n-Propylbenzene	9.66	10.0	97	8.80	10.0	88	75-129	9	20
2-Chlorotoluene	9.93	10.0	99	9.25	10.0	93	77-126	7	20
4-Chlorotoluene	9.98	10.0	100	9.70	10.0	97	82-120	3	20
1,3,5-Trimethylbenzene	9.84	10.0	98	9.27	10.0	93	75-130	6	20
tert-Butylbenzene	9.46	10.0	95	8.42	10.0	84	73-130	12	20
1,2,4-Trimethylbenzene	9.97	10.0	100	9.53	10.0	95	60-137	5	20
sec-Butylbenzene	8.89	10.0	89	7.71	10.0	77	68-131	14	20
1,3-Dichlorobenzene	10.2	10.0	102	9.91	10.0	99	71-137	3	20
4-Isopropyltoluene	9.67	10.0	97	8.66	10.0	87	68-134	11	20
Bromoform	9.32	10.0	93	9.96	10.0	100	70-118	7	20
1,1,2,2-Tetrachloroethane	10.9	10.0	109	11.6	10.0	116	72-122	7	20
1,4-Dichlorobenzene	9.76	10.0	98	10.0	10.0	100	82-114	3	20
1,2-Dichlorobenzene	9.63	10.0	96	9.67	10.0	97	81-118	0	20
n-Butylbenzene	8.98	10.0	90	8.23	10.0	82	71-125	9	20
1,2-Dibromo-3-chloropropane	7.97	10.0	80	8.66	10.0	87	55-131	8	20
1,2,4-Trichlorobenzene	9.57	10.0	96	9.74	10.0	97	75-123	2	20
Hexachlorobutadiene	9.70	10.0	97	9.06	10.0	91	63-140	7	20
Naphthalene	8.85	10.0	89	9.60	10.0	96	67-125	8	20
1,2,3-Trichlorobenzene	10.4	10.0	104	11.1	10.0	111	72-124	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 8, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 26, 2003. For your reference, these analyses have been assigned our service request number L2300694.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000032

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext, LLC	**Service Request No.:**	L2300694
Project:	WVBA/03103154	**Date Received:**	3/26/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in accordance with our laboratory's quality assurance program. This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Metals, Method 6010B:

The matrix spike/duplicate matrix spike recoveries were not calculated. The data has been flagged with an M3 footnote. This flag denotes that the accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

Approved by: _____ Date: 4/8/03

000033

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300694

Sample Name :	Lab Code :
AVB76-0100-07108	L2300694-001
AVB75-0100-07118	L2300694-002
AVB75-0100-07118	L2300694-002S
AVB75-0100-07118	L2300694-002SD
AVB73-0100-07109	L2300694-003
AVB73-0104-1000	L2300694-004
Laboratory Control Sample	L2300694-LCS
Method Blank	L2300694-MB

Approved By: Sue Anderson Date: 4/8/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB76-0100-07108
Lab Code : L2300694-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	1520	

000035

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB76-0100-07108
Lab Code : L2300694-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	14	

000036

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB75-0100-07118
Lab Code : L2300694-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	2850	

000037

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB75-0100-07118
Lab Code : L2300694-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	16	

000038

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB73-0100-07109
Lab Code : L2300694-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	572	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB73-0100-07109
Lab Code : L2300694-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300694
Project Name :	WVB	**Date Collected :**	03/26/03
Project No. :	03103154	**Date Received :**	03/26/03
Matrix :	Water	**Date Extracted :**	04/02/03

Total Metals

Sample Name :	AVB73-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300694-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000041

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB73-0104-1000
Lab Code : L2300694-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

090042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300694-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300694-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	522	104	87-111	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300694
Date Collected : 03/26/03
Date Received : 03/26/03
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB75-0100-07118
Lab Code : L2300694-002S L2300694-002SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	2850	3190	3150	NC	NC	87-105	1	M3

Columbia Analytical Services INC.
An Employee - Owned Company

L2300694

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.26.03 PAGE 1 OF 1

PROJECT NAME WVB #03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beck

PHONE/FAX

SAMPLER'S SIGNATURE KJK

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr	REMARKS
AVB76-0100-07108	3.26.03	7.45	279-01	AQ	HCl / HNO_3	5												1	1	
AVB75-0100-07118	"	9.20	02	"	"	10												2	2	
AVB73-0100-07109	"	11.20	03	"	"	5												1	1	
AVB73-D104-1000	"	11.40	04	"	"	5												1	1	
AVB73-0102-1000	"	—	05	"	HCl	1														
LF																				
9																				

SPECIAL INSTRUCTIONS/COMMENTS:
Extra samples taken for AVB75-0100-07118 for MS/MSD

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X2300279

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
KJK	Beck	3.26.03 12.20		CAS	12.20
	CAS	3-27-03 16:30	Fedex		
Fedex				CAS	3/28/03 0900

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300694 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK Done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____	
24HR	pH____	Odor____	Cr+6____			
48HR	BOD____	Color____	MBAS____	Nitrate____		
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____		
72HR	Vapors____					

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1, -3, -4 = {1-1L PL(NP)A, 1-1L PL(HNO3)B}

-2 = {2-1L PL(NP)AB, 2-1L PL(HNO3)CD}

Comments Filter & preserve diss metals bottle in lab

Initials, Date, Time LK 3/28/03 1000 3/28/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000047

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.26.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beck

PHONE/FAX

SAMPLER'S SIGNATURE KJK

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB76-0100-07108	3.26.03	7.45	279-01	AQ	HCl / HNO_3	5		3											1	1			
AVB75-0100-07118	"	9.20	02	"	"	10		6											2	2			
AVB73-0100-07109	"	11.20	03	"	"	5		3											1	1			
AVB73-0104-1000	"	11.40	04	"	"	5		3											1	1			
AVB73-0102-1000	"	—	05	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:
Extra samples taken for AVB75-0100-07118 for MS/MSD

REPORT REQUIREMENTS

___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____
Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X2300279

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
KJK	Beck	3.26.03 12.20		CAS	12.20
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0279

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: WVB

Sample(s) Received on: 3-26-03 date _____ time

VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☒
3. Are the signature and date correct?	Yes ☒	No ☐
4. Did all containers arrive in good condition?	Yes ☒	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☒	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☒	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☒	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.9°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): DHH

Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 24, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300668). For your reference, the 8260 analyses have been assigned our service request number X2300270.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300270
Project:	WVB / #03103154	**Date Received:**	3/24/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery of Dichlorodifluoromethane, Method 8260, was below method acceptance limits on 4/2/03. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Surrogate recovery of Dibromofluoromethane and 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for sample AVB113-0100-02113 (X2300270-002), but within method acceptance limits.

Matrix spike (XWG0300447-4 and XWG0300447-5) recovery of several analytes for Method 8260B, was high. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300447-1 and XWG0300447-2) RPD for Dichlorodifluoromethane, Method 8260B, exceeded the laboratory control limits. Recovery met acceptance criteria.

The associated blank spike (XWG0300447-2) recovery of 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethane, Carbon Tetrachloride and 1,1-Dichloropropene for Method 8260B was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

The associated blank spike (XWG0300447-2) recovery of n-Butylbenzne for Method 8260B was above laboratory acceptance limits but within method limits.

Approved by JM **Date** 7-17-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300270

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB95-0100-03126	X2300270-001	03/24/2003	03/24/2003
AVB113-0100-02113	X2300270-002	03/24/2003	03/24/2003
AVB113-0104-1000	X2300270-003	03/24/2003	03/24/2003
AVB113-0102-1000	X2300270-004	03/24/2003	03/24/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-14-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB95-0100-03126
Lab Code: X2300270-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	N1V4
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
Chloroform	**3.5**		1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**0.70**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB95-0100-03126
Lab Code: X2300270-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**2.1**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB95-0100-03126
Lab Code: X2300270-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	111	84-113	04/02/03	
Toluene-d8	113	68-126	04/02/03	
4-Bromofluorobenzene	108	79-113	04/02/03	

Comments:

000010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0100-02113
Lab Code: X2300270-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	N1V4
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
Chloroform	**3.3**		1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**0.55**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	**0.74**		0.50	1	04/02/03	04/02/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	

Comments:

000011

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0100-02113
Lab Code: X2300270-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**1.0**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	**72**		1.0	1	04/02/03	04/02/03	
o-Xylene	**76**		0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	**33**		0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	**60**		0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	**0.58**		0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	**1.6**		0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	
Naphthalene	**9.9**		3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

000012

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0100-02113
Lab Code: X2300270-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	114	84-113	04/02/03	S1
Toluene-d8	114	68-126	04/02/03	
4-Bromofluorobenzene	115	79-113	04/02/03	S1

Comments:

000013

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0104-1000
Lab Code: X2300270-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	N1V4
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0104-1000
Lab Code: X2300270-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

000015

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0104-1000
Lab Code: X2300270-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	04/02/03	
Toluene-d8	110	68-126	04/02/03	
4-Bromofluorobenzene	106	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0102-1000
Lab Code: X2300270-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	N1V4
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0102-1000
Lab Code: X2300270-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: 03/24/2003
Date Received: 03/24/2003

Volatile Organic Compounds

Sample Name: AVB113-0102-1000
Lab Code: X2300270-004

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	04/02/03	
Toluene-d8	114	68-126	04/02/03	
4-Bromofluorobenzene	108	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300447-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	N1V4
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300447-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300447-3

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	04/02/03	
Toluene-d8	109	68-126	04/02/03	
4-Bromofluorobenzene	106	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB95-0100-03126	X2300270-001	111	113	108
AVB113-0100-02113	X2300270-002	114 S1	114	115 S1
AVB113-0104-1000	X2300270-003	107	110	106
AVB113-0102-1000	X2300270-004	112	114	108
Method Blank	XWG0300447-3	108	109	106
Batch QC	X2300265-001	113	113	105
Batch QCMS	XWG0300447-4	108	115	110
Batch QCDMS	XWG0300447-5	106	112	108
Lab Control Sample	XWG0300447-1	104	108	108
Duplicate Lab Control Sample	XWG0300447-2	104	105	104

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300265-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300447

Analyte Name	Sample Result	Batch QCMS XWG0300447-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300447-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	29.0	10.0	290 M1	27.6	10.0	276 M1	78-207	5	20
Chloromethane	ND	16.0	10.0	160 M1	15.4	10.0	154	70-157	4	20
Vinyl Chloride	ND	19.1	10.0	191 M1	18.6	10.0	186 M1	79-174	3	20
Bromomethane	ND	9.79	10.0	98	9.43	10.0	94	44-150	4	20
Chloroethane	ND	15.0	10.0	150	14.5	10.0	145	74-150	4	20
Trichlorofluoromethane	ND	16.5	10.0	165 M1	15.9	10.0	159 M1	80-134	4	20
1,1,2-Trichlorotrifluoroethane	ND	14.9	10.0	149 M1	14.7	10.0	147 M1	67-128	2	20
1,1-Dichloroethene	ND	12.6	10.0	126	12.2	10.0	122	71-142	3	20
Acetone	ND	42.9	40.0	107	43.3	40.0	108	1-155	1	20
Iodomethane	ND	31.8	40.0	79	30.6	40.0	76	47-120	4	20
Carbon Disulfide	ND	56.4	40.0	141 M1	54.0	40.0	135 M1	77-126	4	20
Methylene Chloride	ND	10.8	10.0	108 M1	10.6	10.0	106	83-106	2	20
Methyl tert-Butyl Ether	ND	10.2	10.0	102	10.7	10.0	107	70-118	5	20
trans-1,2-Dichloroethene	ND	11.9	10.0	119 M1	11.3	10.0	113	86-115	5	20
1,1-Dichloroethane	ND	12.6	10.0	126	12.1	10.0	121	77-127	4	20
Vinyl Acetate	ND	53.9	40.0	135	54.8	40.0	137	8-187	2	20
2,2-Dichloropropane	ND	13.9	10.0	139	13.5	10.0	135	25-154	3	20
2-Butanone (MEK)	ND	40.8	40.0	102	42.5	40.0	106	90-112	4	20
cis-1,2-Dichloroethene	ND	10.9	10.0	109	10.8	10.0	108	69-118	1	20
Bromochloromethane	ND	8.72	10.0	87	8.52	10.0	85	47-136	2	20
Chloroform	ND	11.7	10.0	117	11.5	10.0	115	48-143	2	20
1,1,1-Trichloroethane	ND	14.2	10.0	142 M1	13.4	10.0	134 M1	84-122	6	20
Carbon Tetrachloride	ND	14.7	10.0	147 M1	14.3	10.0	143 M1	79-120	3	20
1,1-Dichloropropene	ND	14.2	10.0	142 M1	13.6	10.0	136 M1	85-117	4	20
Benzene	ND	12.3	10.0	123 M1	11.8	10.0	118 M1	88-114	3	20
1,2-Dichloroethane	ND	11.0	10.0	110	11.1	10.0	111	75-112	1	20
Trichloroethene	ND	12.1	10.0	121 M1	11.6	10.0	116 M1	76-115	4	20
1,2-Dichloropropane	ND	11.4	10.0	114 M1	11.1	10.0	111 M1	85-107	2	20
Dibromomethane	ND	10.0	10.0	100	10.3	10.0	103	82-106	3	20
Bromodichloromethane	ND	11.3	10.0	113 M1	11.1	10.0	111 M1	83-107	2	20
cis-1,3-Dichloropropene	ND	10.6	10.0	106	10.6	10.0	106	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	34.8	40.0	87	37.7	40.0	94	54-129	8	20
Toluene	ND	12.2	10.0	122 M1	11.9	10.0	119 M1	86-114	3	20
trans-1,3-Dichloropropene	ND	10.8	10.0	108	10.7	10.0	107	73-112	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300265-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300447

Analyte Name	Sample Result	Batch QCMS XWG0300447-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300447-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	10.4	10.0	104	10.4	10.0	104	79-112	0	20
Tetrachloroethene	ND	11.6	10.0	116	11.4	10.0	114	78-130	2	20
2-Hexanone	ND	43.0	40.0	107	44.7	40.0	112	77-112	4	20
1,3-Dichloropropane	ND	10.8	10.0	108	10.7	10.0	107	45-133	1	20
Dibromochloromethane	ND	9.99	10.0	100	9.86	10.0	99	74-108	1	20
1,2-Dibromoethane	ND	9.99	10.0	100	10.1	10.0	101	73-113	1	20
Chlorobenzene	ND	11.0	10.0	110	10.6	10.0	106	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	10.5	10.0	105	10.2	10.0	102	84-119	4	20
Ethylbenzene	ND	12.6	10.0	126	12.2	10.0	122	47-136	4	20
m,p-Xylenes	ND	24.2	20.0	121 M1	23.1	20.0	115	84-120	5	20
o-Xylene	ND	11.3	10.0	113	11.0	10.0	110	47-143	3	20
Styrene	ND	11.2	10.0	112	10.8	10.0	108	72-121	3	20
Isopropylbenzene	ND	12.7	10.0	127 M1	12.3	10.0	123 M1	63-108	3	20
Bromobenzene	ND	10.3	10.0	103	9.98	10.0	100	80-113	3	20
1,2,3-Trichloropropane	ND	11.0	10.0	110	10.9	10.0	109	78-119	1	20
n-Propylbenzene	ND	13.4	10.0	134 M1	12.8	10.0	128 M1	76-117	4	20
2-Chlorotoluene	ND	12.6	10.0	126 M1	12.2	10.0	122 M1	79-121	3	20
4-Chlorotoluene	ND	12.2	10.0	122	11.8	10.0	118	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.2	10.0	122 M1	11.8	10.0	118	79-118	4	20
tert-Butylbenzene	ND	13.2	10.0	132 M1	12.7	10.0	127 M1	77-120	4	20
1,2,4-Trimethylbenzene	ND	12.0	10.0	120	11.6	10.0	116	68-127	3	20
sec-Butylbenzene	ND	13.1	10.0	131 M1	12.5	10.0	125 M1	78-123	4	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.5	10.0	105	78-127	2	20
4-Isopropyltoluene	ND	13.4	10.0	134	12.9	10.0	129	79-142	3	20
Bromoform	ND	9.53	10.0	95	9.83	10.0	98	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	10.9	10.0	109	11.0	10.0	110	66-133	1	20
1,4-Dichlorobenzene	ND	10.6	10.0	106	10.5	10.0	105	48-139	2	20
1,2-Dichlorobenzene	ND	10.6	10.0	106	10.5	10.0	105	64-109	1	20
n-Butylbenzene	ND	13.9	10.0	139 M1	13.4	10.0	134 M1	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	10.7	10.0	107	10.3	10.0	103	54-160	4	20
1,2,4-Trichlorobenzene	ND	10.1	10.0	101	10.1	10.0	101	39-145	0	20
Hexachlorobutadiene	ND	12.6	10.0	126 M1	12.2	10.0	122 M1	74-113	3	20
Naphthalene	ND	9.63	10.0	96	10.2	10.0	102	44-167	5	20
1,2,3-Trichlorobenzene	ND	9.95	10.0	100	10.1	10.0	101	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300447

	Lab Control Sample XWG0300447-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300447-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	7.46	10.0	75	10.8	10.0	108	1-233	36 R7	20
Chloromethane	8.70	10.0	87	10.3	10.0	103	46-156	17	20
Vinyl Chloride	11.0	10.0	110	12.8	10.0	128	51-158	15	20
Bromomethane	7.02	10.0	70	8.05	10.0	81	37-149	14	20
Chloroethane	11.6	10.0	116	12.5	10.0	125	56-146	7	20
Trichlorofluoromethane	12.4	10.0	124	13.0	10.0	130	69-139	5	20
1,1,2-Trichlorotrifluoroethane	12.2	10.0	122	13.8	10.0	138 L1	83-130	12	20
1,1-Dichloroethene	9.82	10.0	98	11.3	10.0	113 L1	65-112	14	20
Acetone	41.6	40.0	104	41.1	40.0	103	68-128	1	20
Iodomethane	27.2	40.0	68	28.2	40.0	71	68-144	4	20
Carbon Disulfide	45.9	40.0	115	51.6	40.0	129	67-140	12	20
Methylene Chloride	10.8	10.0	108	11.0	10.0	110	70-113	1	20
Methyl tert-Butyl Ether	9.81	10.0	98	9.93	10.0	99	75-115	1	20
trans-1,2-Dichloroethene	9.47	10.0	95	10.8	10.0	108	73-118	13	20
1,1-Dichloroethane	11.7	10.0	117	12.3	10.0	123	77-127	5	20
Vinyl Acetate	50.8	40.0	127	57.4	40.0	144	51-202	12	39
2,2-Dichloropropane	11.2	10.0	112	12.9	10.0	129	75-132	15	20
2-Butanone (MEK)	39.2	40.0	98	40.2	40.0	100	72-122	3	20
cis-1,2-Dichloroethene	10.0	10.0	100	10.6	10.0	106	81-118	6	20
Bromochloromethane	9.16	10.0	92	9.15	10.0	92	82-114	0	20
Chloroform	11.4	10.0	114	11.9	10.0	119	78-119	5	20
1,1,1-Trichloroethane	10.9	10.0	109	12.3	10.0	123	71-125	12	20
Carbon Tetrachloride	11.8	10.0	118	13.5	10.0	135 L1	69-130	13	20
1,1-Dichloropropene	11.0	10.0	110	12.6	10.0	126 L1	77-114	14	20
Benzene	10.9	10.0	109	11.4	10.0	114	81-117	5	20
1,2-Dichloroethane	11.4	10.0	114	11.3	10.0	113	67-122	1	20
Trichloroethene	10.4	10.0	104	11.1	10.0	111	79-114	7	20
1,2-Dichloropropane	10.7	10.0	107	10.9	10.0	109	78-114	1	20
Dibromomethane	10.3	10.0	103	10.3	10.0	103	78-113	1	20
Bromodichloromethane	11.1	10.0	111	11.2	10.0	112	79-122	0	20
cis-1,3-Dichloropropene	11.1	10.0	111	11.3	10.0	113	82-118	2	20
4-Methyl-2-pentanone (MIBK)	36.9	40.0	92	34.3	40.0	86	75-115	7	20
Toluene	11.0	10.0	110	11.5	10.0	115	85-118	5	20
trans-1,3-Dichloropropene	11.1	10.0	111	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.3	10.0	103	10.6	10.0	106	79-116	4	20
Tetrachloroethene	9.80	10.0	98	11.0	10.0	110	76-127	11	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000020

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300270
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300447

Analyte Name	Lab Control Sample XWG0300447-1 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300447-2 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone	42.5	40.0	106	41.1	40.0	103	65-120	3	20
1,3-Dichloropropane	11.1	10.0	111	10.9	10.0	109	81-116	2	20
Dibromochloromethane	9.66	10.0	97	9.85	10.0	99	77-119	2	20
1,2-Dibromoethane	10.3	10.0	103	10.1	10.0	101	79-116	2	20
Chlorobenzene	10.3	10.0	103	10.5	10.0	105	84-114	2	20
1,1,1,2-Tetrachloroethane	9.95	10.0	100	10.3	10.0	103	78-118	3	20
Ethylbenzene	11.4	10.0	114	12.1	10.0	121	79-124	6	20
m,p-Xylenes	21.5	20.0	108	22.9	20.0	115	75-131	6	20
o-Xylene	10.5	10.0	105	10.8	10.0	108	78-122	3	20
Styrene	10.9	10.0	109	11.0	10.0	110	80-126	1	20
Isopropylbenzene	10.8	10.0	108	11.6	10.0	116	75-126	8	20
Bromobenzene	10.2	10.0	102	10.2	10.0	102	82-122	0	20
1,2,3-Trichloropropane	11.1	10.0	111	11.0	10.0	110	77-118	1	20
n-Propylbenzene	11.8	10.0	118	12.7	10.0	127	75-129	7	20
2-Chlorotoluene	11.8	10.0	118	12.2	10.0	122	77-126	4	20
4-Chlorotoluene	11.7	10.0	117	12.0	10.0	120	82-120	3	20
1,3,5-Trimethylbenzene	11.3	10.0	113	11.9	10.0	119	75-130	5	20
tert-Butylbenzene	11.6	10.0	116	12.4	10.0	124	73-130	6	20
1,2,4-Trimethylbenzene	11.4	10.0	114	11.9	10.0	119	60-137	5	20
sec-Butylbenzene	11.0	10.0	110	11.9	10.0	119	68-131	8	20
1,3-Dichlorobenzene	10.2	10.0	102	10.3	10.0	103	71-137	2	20
4-Isopropyltoluene	11.8	10.0	118	12.7	10.0	127	68-134	7	20
Bromoform	9.23	10.0	92	9.19	10.0	92	70-118	0	20
1,1,2,2-Tetrachloroethane	10.8	10.0	108	10.9	10.0	109	72-122	1	20
1,4-Dichlorobenzene	10.4	10.0	104	10.4	10.0	104	82-114	0	20
1,2-Dichlorobenzene	10.4	10.0	104	10.4	10.0	104	81-118	0	20
n-Butylbenzene	11.8	10.0	118	12.7	10.0	127 L1	71-125	7	20
1,2-Dibromo-3-chloropropane	9.96	10.0	100	9.92	10.0	99	55-131	0	20
1,2,4-Trichlorobenzene	9.58	10.0	96	9.90	10.0	99	75-123	3	20
Hexachlorobutadiene	11.1	10.0	111	12.1	10.0	121	63-140	8	20
Naphthalene	9.43	10.0	94	9.43	10.0	94	67-125	0	20
1,2,3-Trichlorobenzene	9.67	10.0	97	9.85	10.0	99	72-124	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 9, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 24, 2003. For your reference, these analyses have been assigned our service request number L2300668.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext, LLC	**Service Request No.:**	L2300668
Project:	WVBA/03103154	**Date Received:**	3/24/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in accordance with our laboratory's quality assurance program. This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Metals, Method 6010B:

The matrix spike/duplicate matrix spike recoveries were not calculated. The data has been flagged with an M3 footnote. This flag denotes that the accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to the spike level. The method control sample recovery was acceptable.

Approved by: _____ Date: 4/9/03

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000030

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300668

Sample Name :	Lab Code :
AVB95-0100-03126	L2300668-001
AVB113-0100-02113	L2300668-002
AVB113-0104-1000	L2300668-003
Laboratory Control Sample	L2300668-LCS
Method Blank	L2300668-MB
Batch QC	L2300694-002S
Batch QC	L2300694-002SD

Approved By: Sue Anderson Date: 4/9/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : 03/24/03
Date Received : 03/24/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB95-0100-03126
Lab Code : L2300668-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000032

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300668
Project Name :	WVB	**Date Collected :**	03/24/03
Project No. :	03103154	**Date Received :**	03/24/03
Matrix :	Water	**Date Extracted :**	04/02/03

Dissolved Metals

Sample Name :	AVB95-0100-03126	**Units :**	ug/L (ppb)
Lab Code :	L2300668-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000033

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : 03/24/03
Date Received : 03/24/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB113-0100-02113
Lab Code : L2300668-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	19	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : 03/24/03
Date Received : 03/24/03
Date Extracted : 04/02/03

Dissolved Metals

Sample Name : AVB113-0100-02113
Lab Code : L2300668-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000035

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : 03/24/03
Date Received : 03/24/03
Date Extracted : 04/02/03

Total Metals

Sample Name : AVB113-0104-1000
Lab Code : L2300668-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000036

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300668
Project Name :	WVB	**Date Collected :**	03/24/03
Project No. :	03103154	**Date Received :**	03/24/03
Matrix :	Water	**Date Extracted :**	04/02/03

Dissolved Metals

Sample Name :	AVB113-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300668-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000037

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300668-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/04/03	ND	

000038

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300668-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	522	104	87-111	

000039

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300668
Date Collected : NA
Date Received : NA
Date Extracted : 04/02/03
Date Analyzed : 04/04/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2300694-002S L2300694-002SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	2850	3190	3150	NC	NC	87-105	1	M3

000040

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

L2300668

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-24-03 PAGE 1 OF 1

PROJECT NAME WVB # 03107154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beak

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics 8240/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL 6	DISS Cr	REMARKS
AVB95-0100-0326	3.24.03	7.40	[illegible]-01	AQ	HCl/HNO3	5		X											1	1	
AVB113-0100-0213	"	8.45	02	"	"	5		X											1	1	
AVB113-0104-1000	"	11.20	03	"	"	5		X											1	1	
AVB113-0102-1000	"	—	04	"	HCl	1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report
___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#
Bill To

SAMPLE RECEIPT:

Shipping VIA:
Shipping #:
Condition:
Lab No: X2300270

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beak	3.24.03 11.40		CAS	3/24/03 11.40
Tracy Dutton	CAS	3-24-03 1645 VIA VBS		Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
				CAS	3/25/03 1000

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

0702

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

SAMPLE RECEIPT FORM

Service Request No: L2301066S Client: BE & K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X X UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes X No ____(See Comments)

Appropriate sample volume and containers? Yes X No ____(See Comments)

Sufficient labeling on container(s) ? Yes X No ____(See Comments)

Container(s) supplied by CAS? Yes X No ____(See Comments)

Custody seal(s) intact? N/A X Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No X

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes X Notified MZ done ✓

RUSH Turn around time? Yes ____ Notified _____ Date & Time_____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

1-7-3 = 1 500ml PL HNO3(A), 1 1L PL NP (B)

Comments Filter and preserve Given to Benny 3/25/03 1340

Initials, Date, Time MLt 3/25/03 1310

r:\sr_forms\cooler.doc Rev. 1/17/02

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-24-03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beak

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB95-0100-0326	3.24.03	7.40	270-01	AQ	HCl/HNO3	5		3											1	1			
AVB113-0100-0213	"	8.45	02	"	"	5		3											1	1			
AVB113-0104-1000	"	11.20	03	"	"	5		3											1	1			
AVB113-0102-1000	"	—	04	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report
___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____
Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X2300270

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beak	3.24.03 11.40		CAS	3/24/03 11.40
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0270

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE2K Project Name: WVB

Sample(s) Received on: 3-24-03 date 11.40 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

RUSH (STANDARD)

1. Rush or standard turn-a-round time? Yes ☐ No ☑
2. Are the custody seals present? Yes ☑ No ☐
   If yes, how many and where? _____
3. Are the signature and date correct? Yes ☑ No ☐
4. Did all containers arrive in good condition? Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)? Yes ☑ No ☐
6. Were the correct containers used for the tests indicated? Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments) Yes ☐ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.7°C

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LL

Columbia Analytical Services INC.
An Employee-Owned Company

April 14, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 28, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300706). For your reference, the 8260 analyses have been assigned our service request number X2300287.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300287
Project:	WVB / #03103154	**Date Received:**	3/28/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300463-3) recovery of Trichlorofluoromethane, Method 8260B, was below laboratory acceptance limits. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Matrix spike (XWG0300463-1 and XWG0300463-2) recovery of Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride, Method 8260B, was low. The method control sample recovery was acceptable.

MS/DMS (XWG0300463-1 and XWG0300463-2) RPD for Acetone, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Matrix spike (XWG0300463-1 and XWG0300463-2) recovery several analytes for Method 8260B was high. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300463-3 and XWG0300463-4) RPD for Acetone, 1,2-Dibromo-3-chloropropane, and Naphthalene, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

The associated blank spike (XWG0300463-4) recovery of Bromochloromethane, Dibromomethane, and 4-Methyl-2-pentanone (MIBK), Method 8260B, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

RPD for 4-Methyl-2-pentanone (MIBK), Method 8260B, exceeded the laboratory control limit for MS/DMS (XWG0300463-3 and XWG0300463-4).

Approved by JW **Date** 4-14-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300287

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB95-0200-02250	X2300287-001	03/28/2003	03/28/2003
AVB108-0200-02150	X2300287-002	03/28/2003	03/28/2003
AVB108-0201-02150	X2300287-003	03/28/2003	03/28/2003
AVB108-0204-1000	X2300287-004	03/28/2003	03/28/2003
AVB108-0202-1000	X2300287-005	03/28/2003	03/28/2003
AVB108-0200-02150MS	XWG0300463-1	03/28/2003	03/28/2003
AVB108-0200-02150DMS	XWG0300463-2	03/28/2003	03/28/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-14-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB95-0200-02250
Lab Code: X2300287-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	ND	U	10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	**6.4**		1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

000002

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB95-0200-02250
Lab Code: X2300287-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	**1.7**		0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB95-0200-02250
Lab Code: X2300287-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/07/03	
Toluene-d8	101	68-126	04/07/03	
4-Bromofluorobenzene	94	79-113	04/07/03	

Comments:

000010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	**35**		10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	ND	U	1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	**0.96**		0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	**0.69**		0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	**0.63**		0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	04/07/03	
Toluene-d8	108	68-126	04/07/03	
4-Bromofluorobenzene	100	79-113	04/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0201-02150
Lab Code: X2300287-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	**34**		10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	ND	U	1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	**0.84**		0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	**0.58**		0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0201-02150
Lab Code: X2300287-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	**0.64**		0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0201-02150
Lab Code: X2300287-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	04/07/03	
Toluene-d8	104	68-126	04/07/03	
4-Bromofluorobenzene	95	79-113	04/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0204-1000
Lab Code: X2300287-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	ND	U	10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	ND	U	1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

000047

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0204-1000
Lab Code: X2300287-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	ND	U	0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0204-1000
Lab Code: X2300287-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/07/03	
Toluene-d8	100	68-126	04/07/03	
4-Bromofluorobenzene	97	79-113	04/07/03	

Comments:

000913

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0202-1000
Lab Code: X2300287-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	ND	U	10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	ND	U	1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0202-1000
Lab Code: X2300287-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	ND	U	0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: 03/28/2003
Date Received: 03/28/2003

Volatile Organic Compounds

Sample Name: AVB108-0202-1000
Lab Code: X2300287-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	04/07/03	
Toluene-d8	101	68-126	04/07/03	
4-Bromofluorobenzene	97	79-113	04/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300463-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/07/03	04/07/03	
Chloromethane	ND	U	2.0	1	04/07/03	04/07/03	
Vinyl Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Bromomethane	ND	U	1.0	1	04/07/03	04/07/03	
Chloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Trichlorofluoromethane	ND	U	1.0	1	04/07/03	04/07/03	L2
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,1-Dichloroethene	ND	U	1.0	1	04/07/03	04/07/03	
Acetone	ND	U	10	1	04/07/03	04/07/03	
Iodomethane	ND	U	2.0	1	04/07/03	04/07/03	
Carbon Disulfide	ND	U	2.0	1	04/07/03	04/07/03	
Methylene Chloride	ND	U	1.0	1	04/07/03	04/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/07/03	04/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Vinyl Acetate	ND	U	3.0	1	04/07/03	04/07/03	
2,2-Dichloropropane	ND	U	2.0	1	04/07/03	04/07/03	
2-Butanone (MEK)	ND	U	8.0	1	04/07/03	04/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
Bromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
Chloroform	ND	U	1.0	1	04/07/03	04/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Carbon Tetrachloride	ND	U	0.50	1	04/07/03	04/07/03	
1,1-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
Benzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Trichloroethene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichloropropane	ND	U	0.50	1	04/07/03	04/07/03	
Dibromomethane	ND	U	0.50	1	04/07/03	04/07/03	
Bromodichloromethane	ND	U	0.50	1	04/07/03	04/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/07/03	04/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/07/03	04/07/03	
Toluene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300463-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/07/03	04/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/07/03	04/07/03	
Tetrachloroethene	ND	U	0.50	1	04/07/03	04/07/03	
2-Hexanone	ND	U	5.0	1	04/07/03	04/07/03	
1,3-Dichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
Dibromochloromethane	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromoethane	ND	U	0.50	1	04/07/03	04/07/03	
Chlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/07/03	04/07/03	
Ethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
m,p-Xylenes	ND	U	1.0	1	04/07/03	04/07/03	
o-Xylene	ND	U	0.50	1	04/07/03	04/07/03	
Styrene	ND	U	0.50	1	04/07/03	04/07/03	
Isopropylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
Bromobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/07/03	04/07/03	
n-Propylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
2-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
4-Chlorotoluene	ND	U	0.50	1	04/07/03	04/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
tert-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
sec-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
4-Isopropyltoluene	ND	U	0.50	1	04/07/03	04/07/03	
Bromoform	ND	U	0.50	1	04/07/03	04/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/07/03	04/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
n-Butylbenzene	ND	U	0.50	1	04/07/03	04/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/07/03	04/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	
Hexachlorobutadiene	ND	U	0.50	1	04/07/03	04/07/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300463-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/07/03	04/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/07/03	04/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	04/07/03	
Toluene-d8	107	68-126	04/07/03	
4-Bromofluorobenzene	97	79-113	04/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB95-0200-02250	X2300287-001	103	101	94
AVB108-0200-02150	X2300287-002	107	108	100
AVB108-0201-02150	X2300287-003	102	104	95
AVB108-0204-1000	X2300287-004	103	100	97
AVB108-0202-1000	X2300287-005	108	101	97
Method Blank	XWG0300463-5	104	107	97
AVB108-0200-02150MS	XWG0300463-1	108	108	99
AVB108-0200-02150DMS	XWG0300463-2	109	110	101
Lab Control Sample	XWG0300463-3	97	101	94
Duplicate Lab Control Sample	XWG0300463-4	103	105	100

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Extracted: 04/07/2003
Date Analyzed: 04/07/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300463

Analyte Name	Sample Result	AVB108-0200-02150MS XWG0300463-1 Matrix Spike Result	Expected	%Rec	AVB108-0200-02150DMS XWG0300463-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	4.60	10.0	46 M2	4.36	10.0	44 M2	78-207	5	20
Chloromethane	ND	7.55	10.0	76	6.63	10.0	66 M2	70-157	13	20
Vinyl Chloride	ND	8.07	10.0	81	7.33	10.0	73 M2	79-174	10	20
Bromomethane	ND	8.06	10.0	81	8.97	10.0	90	44-150	11	20
Chloroethane	ND	9.89	10.0	99	8.86	10.0	89	74-150	11	20
Trichlorofluoromethane	ND	8.04	10.0	80	7.98	10.0	80	80-134	1	20
1,1,2-Trichlorotrifluoroethane	ND	9.17	10.0	92	10.7	10.0	107	67-128	15	20
1,1-Dichloroethene	ND	8.10	10.0	81	9.79	10.0	98	71-142	19	20
Acetone	35	69.8	40.0	88	88.8	40.0	135	1-155	24 R5	20
Iodomethane	ND	38.5	40.0	96	39.3	40.0	98	47-120	2	20
Carbon Disulfide	ND	41.2	40.0	103	43.6	40.0	109	77-126	6	20
Methylene Chloride	ND	10.5	10.0	105	10.6	10.0	106	83-106	0	20
Methyl tert-Butyl Ether	ND	9.58	10.0	96	9.18	10.0	92	70-118	4	20
trans-1,2-Dichloroethene	ND	11.2	10.0	112	11.1	10.0	111	86-115	1	20
1,1-Dichloroethane	ND	11.1	10.0	111	11.2	10.0	112	77-127	1	20
Vinyl Acetate	ND	48.7	40.0	122	45.2	40.0	113	8-187	8	20
2,2-Dichloropropane	ND	10.8	10.0	108	10.8	10.0	108	25-154	0	20
2-Butanone (MEK)	ND	44.6	40.0	112	45.2	40.0	113 M1	90-112	1	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	10.7	10.0	107	69-118	3	20
Bromochloromethane	ND	13.0	10.0	130	12.0	10.0	120	47-136	8	20
Chloroform	ND	11.8	10.0	118	12.4	10.0	124	48-143	5	20
1,1,1-Trichloroethane	0.96	10.1	10.0	91	10.2	10.0	92	84-122	1	20
Carbon Tetrachloride	ND	9.99	10.0	100	9.93	10.0	99	79-120	1	20
1,1-Dichloropropene	ND	10.3	10.0	103	10.7	10.0	107	85-117	4	20
Benzene	0.69	10.8	10.0	101	11.1	10.0	104	88-114	3	20
1,2-Dichloroethane	ND	10.7	10.0	107	10.7	10.0	107	75-112	0	20
Trichloroethene	ND	12.1	10.0	121 M1	12.3	10.0	123 M1	76-115	2	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	11.0	10.0	110 M1	85-107	1	20
Dibromomethane	ND	11.9	10.0	119 M1	11.1	10.0	111 M1	82-106	6	20
Bromodichloromethane	ND	10.4	10.0	104	10.1	10.0	101	83-107	2	20
cis-1,3-Dichloropropene	ND	11.5	10.0	115 M1	11.0	10.0	110	70-114	4	20
4-Methyl-2-pentanone (MIBK)	ND	43.5	40.0	109	42.3	40.0	106	54-129	3	20
Toluene	ND	10.9	10.0	109	10.6	10.0	106	86-114	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Extracted: 04/07/2003
Date Analyzed: 04/07/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300463

Analyte Name	Sample Result	AVB108-0200-02150MS XWG0300463-1 Matrix Spike			AVB108-0200-02150DMS XWG0300463-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	11.7	10.0	117 M1	10.8	10.0	108	73-112	8	20
1,1,2-Trichloroethane	ND	9.94	10.0	99	10.1	10.0	101	79-112	2	20
Tetrachloroethene	0.63	11.0	10.0	103	11.4	10.0	107	78-130	4	20
2-Hexanone	ND	42.3	40.0	106	39.5	40.0	99	77-112	7	20
1,3-Dichloropropane	ND	10.7	10.0	107	10.2	10.0	102	45-133	4	20
Dibromochloromethane	ND	10.8	10.0	108	10.3	10.0	103	74-108	5	20
1,2-Dibromoethane	ND	10.4	10.0	104	9.99	10.0	100	73-113	4	20
Chlorobenzene	ND	10.6	10.0	106	10.6	10.0	106	84-111	0	20
1,1,1,2-Tetrachloroethane	ND	10.1	10.0	101	10.3	10.0	103	84-119	1	20
Ethylbenzene	ND	10.8	10.0	108	10.9	10.0	109	47-136	1	20
m,p-Xylenes	ND	21.7	20.0	108	21.9	20.0	109	84-120	1	20
o-Xylene	ND	10.3	10.0	103	10.6	10.0	106	47-143	3	20
Styrene	ND	10.7	10.0	107	10.9	10.0	109	72-121	2	20
Isopropylbenzene	ND	10.1	10.0	101	10.6	10.0	106	63-108	4	20
Bromobenzene	ND	11.1	10.0	111	11.5	10.0	115 M1	80-113	4	20
1,2,3-Trichloropropane	ND	10.8	10.0	108	10.8	10.0	108	78-119	0	20
n-Propylbenzene	ND	10.3	10.0	103	10.9	10.0	109	76-117	6	20
2-Chlorotoluene	ND	9.94	10.0	99	10.4	10.0	104	79-121	5	20
4-Chlorotoluene	ND	10.2	10.0	102	10.9	10.0	109	70-133	6	20
1,3,5-Trimethylbenzene	ND	10.1	10.0	101	10.6	10.0	106	79-118	4	20
tert-Butylbenzene	ND	10.2	10.0	102	10.8	10.0	108	77-120	6	20
1,2,4-Trimethylbenzene	ND	10.2	10.0	102	10.9	10.0	109	68-127	7	20
sec-Butylbenzene	ND	9.50	10.0	95	10.2	10.0	102	78-123	7	20
1,3-Dichlorobenzene	ND	10.2	10.0	102	10.7	10.0	107	78-127	5	20
4-Isopropyltoluene	ND	10.1	10.0	101	10.9	10.0	109	79-142	7	20
Bromoform	ND	10.9	10.0	109	10.4	10.0	104	83-111	4	20
1,1,2,2-Tetrachloroethane	ND	12.5	10.0	125	11.3	10.0	113	66-133	9	20
1,4-Dichlorobenzene	ND	10.4	10.0	104	10.4	10.0	104	48-139	1	20
1,2-Dichlorobenzene	ND	10.2	10.0	102	10.6	10.0	106	64-109	3	20
n-Butylbenzene	ND	10.0	10.0	100	10.6	10.0	106	69-122	5	20
1,2-Dibromo-3-chloropropane	ND	10.3	10.0	103	10.5	10.0	105	54-160	3	20
1,2,4-Trichlorobenzene	ND	10.8	10.0	108	11.2	10.0	112	39-145	4	20
Hexachlorobutadiene	ND	11.5	10.0	115 M1	12.0	10.0	120 M1	74-113	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Extracted: 04/07/2003
Date Analyzed: 04/07/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB108-0200-02150
Lab Code: X2300287-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300463

Analyte Name	Sample Result	AVB108-0200-02150MS XWG0300463-1 Matrix Spike			AVB108-0200-02150DMS XWG0300463-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	10.7	10.0	107	10.9	10.0	109	44-167	2	20
1,2,3-Trichlorobenzene	ND	12.5	10.0	125	12.8	10.0	128	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Extracted: 04/07/2003
Date Analyzed: 04/07/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300463

	Lab Control Sample XWG0300463-3 Lab Control Spike				Duplicate Lab Control Sample XWG0300463-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**		**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.96	10.0	40		3.88	10.0	39	1-233	2	20
Chloromethane	5.93	10.0	59		6.55	10.0	66	46-156	10	20
Vinyl Chloride	6.46	10.0	65		6.63	10.0	66	51-158	3	20
Bromomethane	7.86	10.0	79		7.86	10.0	79	37-149	0	20
Chloroethane	8.54	10.0	85		8.93	10.0	89	56-146	4	20
Trichlorofluoromethane	6.78	10.0	68	L2	7.25	10.0	73	69-139	7	20
1,1,2-Trichlorotrifluoroethane	9.25	10.0	93		9.99	10.0	100	83-130	8	20
1,1-Dichloroethene	8.46	10.0	85		8.99	10.0	90	65-112	6	20
Acetone	35.2	40.0	88		43.3	40.0	108	68-128	21 R7	20
Iodomethane	36.3	40.0	91		39.0	40.0	97	68-144	7	20
Carbon Disulfide	37.9	40.0	95		40.9	40.0	102	67-140	8	20
Methylene Chloride	9.48	10.0	95		10.0	10.0	100	70-113	5	20
Methyl tert-Butyl Ether	8.17	10.0	82		9.61	10.0	96	75-115	16	20
trans-1,2-Dichloroethene	9.50	10.0	95		10.2	10.0	102	73-118	7	20
1,1-Dichloroethane	9.75	10.0	98		10.7	10.0	107	77-127	9	20
Vinyl Acetate	40.8	40.0	102		48.7	40.0	122	51-202	18	39
2,2-Dichloropropane	9.23	10.0	92		10.0	10.0	100	75-132	8	20
2-Butanone (MEK)	35.5	40.0	89		38.4	40.0	96	72-122	8	20
cis-1,2-Dichloroethene	9.26	10.0	93		9.89	10.0	99	81-118	7	20
Bromochloromethane	10.9	10.0	109		12.9	10.0	129	L1 82-114	17	20
Chloroform	9.64	10.0	96		10.5	10.0	105	78-119	9	20
1,1,1-Trichloroethane	8.03	10.0	80		8.46	10.0	85	71-125	5	20
Carbon Tetrachloride	8.57	10.0	86		9.07	10.0	91	69-130	6	20
1,1-Dichloropropene	9.05	10.0	91		9.38	10.0	94	77-114	4	20
Benzene	9.15	10.0	92		9.58	10.0	96	81-117	5	20
1,2-Dichloroethane	9.74	10.0	97		10.9	10.0	109	67-122	11	20
Trichloroethene	9.39	10.0	94		9.65	10.0	97	79-114	3	20
1,2-Dichloropropane	9.84	10.0	98		10.6	10.0	106	78-114	7	20
Dibromomethane	10.2	10.0	102		11.6	10.0	116	L1 78-113	13	20
Bromodichloromethane	9.60	10.0	96		10.1	10.0	101	79-122	5	20
cis-1,3-Dichloropropene	10.7	10.0	107		11.7	10.0	117	82-118	9	20
4-Methyl-2-pentanone (MIBK)	39.1	40.0	98		48.8	40.0	122	L1 75-115	22 R2	20
Toluene	9.95	10.0	100		10.2	10.0	102	85-118	2	20
trans-1,3-Dichloropropene	10.6	10.0	106		11.7	10.0	117	79-121	10	20
1,1,2-Trichloroethane	10.1	10.0	101		10.5	10.0	105	79-116	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300287
Date Extracted: 04/07/2003
Date Analyzed: 04/07/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300463

	Lab Control Sample XWG0300463-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300463-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.70	10.0	97	9.56	10.0	96	76-127	1	20
2-Hexanone	38.0	40.0	95	46.2	40.0	116	65-120	20	20
1,3-Dichloropropane	10.3	10.0	103	11.1	10.0	111	81-116	7	20
Dibromochloromethane	10.2	10.0	102	11.0	10.0	110	77-119	7	20
1,2-Dibromoethane	9.89	10.0	99	10.7	10.0	107	79-116	8	20
Chlorobenzene	9.81	10.0	98	10.1	10.0	101	84-114	3	20
1,1,1,2-Tetrachloroethane	9.28	10.0	93	9.93	10.0	99	78-118	7	20
Ethylbenzene	9.62	10.0	96	9.99	10.0	100	79-124	4	20
m,p-Xylenes	19.8	20.0	99	20.3	20.0	102	75-131	3	20
o-Xylene	9.56	10.0	96	9.94	10.0	99	78-122	4	20
Styrene	10.0	10.0	100	10.4	10.0	104	80-126	4	20
Isopropylbenzene	9.46	10.0	95	9.62	10.0	96	75-126	2	20
Bromobenzene	10.8	10.0	108	11.0	10.0	110	82-122	1	20
1,2,3-Trichloropropane	10.5	10.0	105	11.6	10.0	116	77-118	10	20
n-Propylbenzene	9.82	10.0	98	10.1	10.0	101	75-129	2	20
2-Chlorotoluene	9.78	10.0	98	9.92	10.0	99	77-126	1	20
4-Chlorotoluene	9.95	10.0	100	10.5	10.0	105	82-120	5	20
1,3,5-Trimethylbenzene	9.74	10.0	97	10.1	10.0	101	75-130	4	20
tert-Butylbenzene	9.89	10.0	99	10.0	10.0	100	73-130	1	20
1,2,4-Trimethylbenzene	10.1	10.0	101	10.2	10.0	102	60-137	1	20
sec-Butylbenzene	9.28	10.0	93	9.40	10.0	94	68-131	1	20
1,3-Dichlorobenzene	10.1	10.0	101	10.4	10.0	104	71-137	3	20
4-Isopropyltoluene	10.0	10.0	100	10.2	10.0	102	68-134	1	20
Bromoform	9.66	10.0	97	10.3	10.0	103	70-118	6	20
1,1,2,2-Tetrachloroethane	10.6	10.0	106	12.1	10.0	121	72-122	13	20
1,4-Dichlorobenzene	9.66	10.0	97	9.98	10.0	100	82-114	3	20
1,2-Dichlorobenzene	9.58	10.0	96	10.1	10.0	101	81-118	5	20
n-Butylbenzene	9.21	10.0	92	9.75	10.0	98	71-125	6	20
1,2-Dibromo-3-chloropropane	8.42	10.0	84	11.6	10.0	116	55-131	32 R7	20
1,2,4-Trichlorobenzene	9.75	10.0	98	10.3	10.0	103	75-123	6	20
Hexachlorobutadiene	10.6	10.0	106	10.5	10.0	105	63-140	1	20
Naphthalene	9.15	10.0	92	11.3	10.0	113	67-125	21 R7	20
1,2,3-Trichlorobenzene	11.1	10.0	111	12.6	10.0	126 L1	72-124	13	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 9, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 28, 2003. For your reference, these analyses have been assigned our service request number L2300706.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000033

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext, LLC	**Service Request No.:**	L2300706
Project:	WVBA/03103154	**Date Received:**	3/28/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in accordance with our laboratory's quality assurance program. This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Metals, Method 6010B:

The matrix spike duplicate recovery was high, the method control sample recovery was acceptable. The data has been flagged accordingly.

Approved by: Sue Anderson Date: 4/9/03

000034

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300706

Sample Name :	Lab Code :
AVB108-0200-02150	L2300706-001
AVB108-0201-02150	L2300706-002
AVB108-0201-02150	L2300706-002S
AVB108-0201-02150	L2300706-002SD
AVB108-0204-1000	L2300706-003
Laboratory Control Sample	L2300706-LCS
Method Blank	L2300706-MB

Approved By: Sue Anderson Date: 4/9/03

000035

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300706
Date Collected : 03/28/03
Date Received : 03/28/03
Date Extracted : 04/03/03

Total Metals

Sample Name : AVB108-0200-02150
Lab Code : L2300706-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000036

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300706
Project Name :	WVB	**Date Collected :**	03/28/03
Project No. :	03103154	**Date Received :**	03/28/03
Matrix :	Water	**Date Extracted :**	04/03/03

Dissolved Metals

Sample Name :	AVB108-0200-02150	**Units :**	ug/L (ppb)
Lab Code :	L2300706-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000037

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300706
Project Name :	WVB	**Date Collected :**	03/28/03
Project No. :	03103154	**Date Received :**	03/28/03
Matrix :	Water	**Date Extracted :**	04/03/03

Total Metals

Sample Name :	AVB108-0201-02150	**Units :**	ug/L (ppb)
Lab Code :	L2300706-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300706
Project Name :	WVB	**Date Collected :**	03/28/03
Project No. :	03103154	**Date Received :**	03/28/03
Matrix :	Water	**Date Extracted :**	04/03/03

Dissolved Metals

Sample Name :	AVB108-0201-02150	**Units :**	ug/L (ppb)
Lab Code :	L2300706-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000039

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300706
Project Name :	WVB	**Date Collected :**	03/28/03
Project No. :	03103154	**Date Received :**	03/28/03
Matrix :	Water	**Date Extracted :**	04/03/03

Total Metals

Sample Name :	AVB108-0204-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300706-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300706
Date Collected : 03/28/03
Date Received : 03/28/03
Date Extracted : 04/03/03

Dissolved Metals

Sample Name : AVB108-0204-1000
Lab Code : L2300706-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300706
Date Collected : NA
Date Received : NA
Date Extracted : 04/03/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300706-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	04/07/03	ND	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300706
Date Collected : NA
Date Received : NA
Date Extracted : 04/03/03
Date Analyzed : 04/07/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300706-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	541	108	87-111	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300706
Date Collected : 03/28/03
Date Received : 03/28/03
Date Extracted : 04/03/03
Date Analyzed : 04/07/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB108-0201-02150
Lab Code : L2300706-002S L2300706-002SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	527	531	105	106	87-105	<1	M1

000044

Columbia Analytical Services INC.
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L2300706

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.28.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154

PROJECT MANAGER Bek

COMPANY/ADDRESS Chuck Gordon

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS
AVB95-0200-02250	3-28	7.00	~~287-01~~	AQ	HCl	3
AVB108-0200-02150	"	11.10	1 ~~-02~~	"	HCl/HNO3	10
AVB108-0201-02150	"	11.30	2 ~~-03~~	"	"	5
AVB108-0204-1000	"	11.45	3 ~~-04~~	"	"	5
~~AVB108-0202-1000~~	"	—	↓ ~~-05~~	"	~~HCl~~	1
						LL

ANALYSIS REQUESTED

BTEX 602/8021	Volatile Organics [redacted]	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTALS	DISS				REMARKS
												2	2				
												1	1				
												1	1				

SPECIAL INSTRUCTIONS/COMMENTS:

Extra samples taken at AVB108-0200-02150 for MS/MSD

~~AVB108-0202-1000~~

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300287

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Bek	3.28.03 1.00pm		CAS	3-28-03 13.00
	CAS	3-28-03 16:30	Fedex		
Fedex				CAS	3/29/03 0900

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300706 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 = 2-1L PL (HNO3) AB
2-1L PI (NP) CD

-2 & -3 = 1-1L PL (HNO3) A
1-1L PI (NP) B

Comments

Filter & preserve diss. metals bottle in lab

Initials, Date, Time LK 3/29/03 1000 3/29/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000040

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.28.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154
PROJECT MANAGER Beck
COMPANY/ADDRESS Chuck Gordon
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTALS	DISS Cr			REMARKS
AVB95-0200-02250	3.28	7.00	287-01	AQ	HCl	3		3															
AVB108-0200-02150	"	11.10	-02	"	HCl/HNO3	10		6											2	2			
AVB108-0201-02150	"	11.30	-03	"	"	5		3											1	1			
AVB108-0204-1000	"	11.45	-04	"	"	5		3											1	1			
AVB108-0202-1000	"	—	-05	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:
Extra samples taken at AVB108-0200-02150 for MS/MSD

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X2300287

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beck	3.28.03 1.00pm		CAS	3-28-03 13.00
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0287

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: WVB

Sample(s) Received on: 3-28-03 date 13:00 ~~12:50~~ time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time? RUSH (STANDARD)
2. Are the custody seals present? Yes ☐ No ☑
   If yes, how many and where? _____
3. Are the signature and date correct? Yes ☑ No ☐
4. Did all containers arrive in good condition? Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)? Yes ☑ No ☐
6. Were the correct containers used for the tests indicated? Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments) Yes ☐ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 4.2°C

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LL

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-28-03 PAGE 1 OF 1

PROJECT NAME WVB # 03103151

PROJECT MANAGER Berk

COMPANY/ADDRESS Chuck Gordon

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTALS	DISSOLVED			REMARKS
AVB9S-0200-02250	3/28	7:00	287-01	AQ	HCl	3		3																
AVB108-0200-02150	"	11:10	-02	"	HCl HNO3	10		6												2	2			
AVB108-0201-02150	"	11:30	-03	"	"	5		3												1	1			
AVB108-0204-10000	"	11:45	-04	"	"	5		3												1	1			
AVB108-0202-10000	"	—	-05	"	HCl	1		1																

SPECIAL INSTRUCTIONS/COMMENTS:

Extra samples taken at AVB108-0200-02150 for MS/MSD

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300287

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Berk	3-28-03 1:00pm		CAS	3-28-03 13:00
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0287

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preparation Form

Client: BE & K Project Name: WVB

Sample(s) Received on: 3-28-03 date 13:00 ~~12:50~~ time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH (STANDARD)
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐ No ☑
3. Are the signature and date correct?	Yes ☑ No ☐
4. Did all containers arrive in good condition?	Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑ No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☐ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 4.2°C	

Explaination of discrepancies: _____

_____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

_____

Form Completed and Sample(s) Received by (initials): LL

Columbia Analytical Services INC.
An Employee-Owned Company

April 2, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 17, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300593). For your reference, the 8260 analyses have been assigned our service request number X2300226.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300226
Project:	WVBA / #03103154	**Date Received:**	3/17/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300408-1 and XWG0300408-2) recovery of 1,1,2-Trichlorotrifluoroethane, 1,1-Dichloroethene, and 1,1-Dichloropropene, Method 8260, was above laboratory acceptance limits. The LCS/DLCS recovery for 1,1-Dichloroethene and 1,1-Dichloropropene is within method acceptance limits. The compound 1,1,2-Trichlorotrifluoroethane was not detected in any sample.

CCV recovery of 2-Hexanone, Method 8260B, was below method acceptance limits on 3/27/03. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Matrix spike (XWG0300408-4 and XWG0300408-5) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

The accuracy of the spike (XWG0300410-1) recovery value of Tetrachloroethene, Method 8260B, is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

Approved by JM **Date** 4.2.03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#03103154

Service Request: X2300226

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB26-0100-19094	X2300226-001	03/17/2003	03/17/2003
AVB99-0100-03100	X2300226-002	03/17/2003	03/17/2003
AVB85-0100-05103	X2300226-003	03/17/2003	03/17/2003
AVB83-0100-05106	X2300226-004	03/17/2003	03/17/2003
AVB83-0104-1000	X2300226-005	03/17/2003	03/17/2003
AVB83-0102-1000	X2300226-006	03/17/2003	03/17/2003
AVB26-0100-19094MS	XWG0300408-4	03/17/2003	03/17/2003
AVB26-0100-19094DMS	XWG0300408-5	03/17/2003	03/17/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-2-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	**1.6**		1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	**0.94**		0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	**1.7**		0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	**1.8**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	**8.0**		0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**4.9**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	**0.90**		0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	**2.0**		0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**10**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	**2.2**		0.50	1	03/27/03	03/27/03	
m,p-Xylenes	**2.1**		1.0	1	03/27/03	03/27/03	
o-Xylene	**1.7**		0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	**1.4**		0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/27/03	
Toluene-d8	112	68-126	03/27/03	
4-Bromofluorobenzene	106	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB99-0100-03100
Lab Code: X2300226-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	**1.1**		1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	**0.56**		0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	**1.3**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**2.3**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB99-0100-03100
Lab Code: X2300226-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**0.66**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB99-0100-03100
Lab Code: X2300226-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/27/03	
Toluene-d8	109	68-126	03/27/03	
4-Bromofluorobenzene	106	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB85-0100-05103
Lab Code: X2300226-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	**5.1**		1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	**3.2**		0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	**25**		0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	**1.1**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	**5.0**		0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**34**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

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Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB85-0100-05103
Lab Code: X2300226-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	**2.0**		1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**69**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB85-0100-05103
Lab Code: X2300226-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	03/27/03	
Toluene-d8	111	68-126	03/27/03	
4-Bromofluorobenzene	105	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0100-05106
Lab Code: X2300226-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**11**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0100-05106
Lab Code: X2300226-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**48**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0100-05106
Lab Code: X2300226-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/27/03	
Toluene-d8	110	68-126	03/27/03	
4-Bromofluorobenzene	105	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0104-1000
Lab Code: X2300226-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0104-1000
Lab Code: X2300226-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0104-1000
Lab Code: X2300226-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	03/27/03	
Toluene-d8	110	68-126	03/27/03	
4-Bromofluorobenzene	105	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0102-1000
Lab Code: X2300226-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0102-1000
Lab Code: X2300226-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB83-0102-1000
Lab Code: X2300226-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/27/03	
Toluene-d8	110	68-126	03/27/03	
4-Bromofluorobenzene	105	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/27/03	
Toluene-d8	104	68-126	03/27/03	
4-Bromofluorobenzene	103	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB26-0100-19094	X2300226-001	107	112	106
AVB99-0100-03100	X2300226-002	105	109	106
AVB85-0100-05103	X2300226-003	106	111	105
AVB83-0100-05106	X2300226-004	107	110	105
AVB83-0104-1000	X2300226-005	104	110	105
AVB83-0102-1000	X2300226-006	109	110	105
Method Blank	XWG0300408-3	105	104	103
AVB26-0100-19094MS	XWG0300408-4	103	110	107
AVB26-0100-19094DMS	XWG0300408-5	102	106	101
Lab Control Sample	XWG0300408-1	100	101	100
Duplicate Lab Control Sample	XWG0300408-2	101	100	100

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	AVB26-0100-19094MS XWG0300408-4 Matrix Spike Result	Expected	%Rec	AVB26-0100-19094DMS XWG0300408-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	27.6	10.0	276 M1	26.5	10.0	265 M1	78-207	4	20
Chloromethane	ND	11.9	10.0	119	11.5	10.0	115	70-157	4	20
Vinyl Chloride	ND	14.7	10.0	147	14.4	10.0	144	79-174	3	20
Bromomethane	ND	7.09	10.0	71	7.06	10.0	71	44-150	0	20
Chloroethane	ND	11.9	10.0	119	11.3	10.0	113	74-150	6	20
Trichlorofluoromethane	ND	14.7	10.0	147 M1	14.4	10.0	144 M1	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	14.7	10.0	147 M1	14.5	10.0	145 M1	67-128	2	20
1,1-Dichloroethene	1.6	14.1	10.0	125	13.8	10.0	122	71-142	2	20
Acetone	ND	32.4	40.0	81	33.6	40.0	84	1-155	4	20
Iodomethane	ND	31.8	40.0	79	29.9	40.0	75	47-120	6	20
Carbon Disulfide	ND	50.8	40.0	127 M1	48.8	40.0	122	77-126	4	20
Methylene Chloride	ND	9.88	10.0	99	9.67	10.0	97	83-106	2	20
Methyl tert-Butyl Ether	ND	9.70	10.0	97	9.83	10.0	98	70-118	1	20
trans-1,2-Dichloroethene	ND	11.4	10.0	114	11.2	10.0	112	86-115	2	20
1,1-Dichloroethane	0.94	11.2	10.0	103	11.1	10.0	102	77-127	1	20
Vinyl Acetate	ND	44.8	40.0	112	44.7	40.0	112	8-187	0	20
2,2-Dichloropropane	ND	12.2	10.0	122	11.7	10.0	117	25-154	4	20
2-Butanone (MEK)	ND	36.6	40.0	92	37.1	40.0	93	90-112	1	20
cis-1,2-Dichloroethene	1.7	12.2	10.0	104	12.0	10.0	102	69-118	2	20
Bromochloromethane	ND	9.48	10.0	95	9.41	10.0	94	47-136	1	20
Chloroform	1.8	11.8	10.0	100	11.7	10.0	99	48-143	0	20
1,1,1-Trichloroethane	ND	12.3	10.0	123 M1	12.0	10.0	120	84-122	2	20
Carbon Tetrachloride	ND	13.3	10.0	133 M1	13.2	10.0	132 M1	79-120	1	20
1,1-Dichloropropene	ND	12.5	10.0	125 M1	12.1	10.0	121 M1	85-117	3	20
Benzene	8.0	18.9	10.0	109	18.0	10.0	100	88-114	5	20
1,2-Dichloroethane	ND	8.85	10.0	89	8.81	10.0	88	75-112	0	20
Trichloroethene	4.9	16.3	10.0	113	15.8	10.0	109	76-115	3	20
1,2-Dichloropropane	ND	9.54	10.0	95	9.46	10.0	95	85-107	1	20
Dibromomethane	ND	9.26	10.0	93	9.21	10.0	92	82-106	1	20
Bromodichloromethane	0.90	10.5	10.0	96	10.5	10.0	96	83-107	0	20
cis-1,3-Dichloropropene	ND	9.79	10.0	98	9.58	10.0	96	70-114	2	20
4-Methyl-2-pentanone (MIBK)	ND	36.8	40.0	92	35.6	40.0	89	54-129	3	20
Toluene	2.0	13.4	10.0	114	13.0	10.0	110	86-114	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	AVB26-0100-19094MS XWG0300408-4 Matrix Spike Result	Expected	%Rec	AVB26-0100-19094DMS XWG0300408-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.62	10.0	96	9.47	10.0	95	73-112	2	20
1,1,2-Trichloroethane	ND	9.45	10.0	95	9.35	10.0	94	79-112	1	20
Tetrachloroethene	10	24.2	10.0	138 M1	23.2	10.0	127	78-130	4	20
2-Hexanone	ND	35.2	40.0	88	35.1	40.0	88	77-112	0	20
1,3-Dichloropropane	ND	9.43	10.0	94	9.37	10.0	94	45-133	1	20
Dibromochloromethane	ND	9.98	10.0	100	9.99	10.0	100	74-108	0	20
1,2-Dibromoethane	ND	9.77	10.0	98	9.68	10.0	97	73-113	1	20
Chlorobenzene	ND	10.8	10.0	108	10.4	10.0	104	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	10.3	10.0	103	9.86	10.0	99	84-119	4	20
Ethylbenzene	2.2	14.2	10.0	120	13.4	10.0	112	47-136	6	20
m,p-Xylenes	2.1	26.1	20.0	120	24.6	20.0	112	84-120	6	20
o-Xylene	1.7	13.2	10.0	115	12.6	10.0	109	47-143	5	20
Styrene	ND	11.0	10.0	110	10.5	10.0	105	72-121	5	20
Isopropylbenzene	ND	12.7	10.0	127 M1	12.0	10.0	120 M1	63-108	6	20
Bromobenzene	ND	10.7	10.0	107	10.1	10.0	101	80-113	6	20
1,2,3-Trichloropropane	ND	9.39	10.0	94	9.14	10.0	91	78-119	3	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.0	10.0	120 M1	76-117	5	20
2-Chlorotoluene	ND	11.4	10.0	114	10.9	10.0	109	79-121	5	20
4-Chlorotoluene	ND	11.3	10.0	113	10.7	10.0	107	70-133	5	20
1,3,5-Trimethylbenzene	ND	12.4	10.0	124 M1	11.8	10.0	118	79-118	5	20
tert-Butylbenzene	ND	13.3	10.0	133 M1	12.5	10.0	125 M1	77-120	6	20
1,2,4-Trimethylbenzene	1.4	13.2	10.0	118	12.6	10.0	112	68-127	5	20
sec-Butylbenzene	ND	13.0	10.0	130 M1	12.2	10.0	122	78-123	6	20
1,3-Dichlorobenzene	ND	11.0	10.0	110	10.5	10.0	105	78-127	4	20
4-Isopropyltoluene	ND	13.5	10.0	135	12.7	10.0	127	79-142	6	20
Bromoform	ND	9.77	10.0	98	9.74	10.0	97	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	9.30	10.0	93	9.52	10.0	95	66-133	2	20
1,4-Dichlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	10.6	10.0	106	10.3	10.0	103	64-109	2	20
n-Butylbenzene	ND	12.7	10.0	127 M1	12.2	10.0	122	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	8.00	10.0	80	8.22	10.0	82	54-160	3	20
1,2,4-Trichlorobenzene	ND	11.2	10.0	112	10.8	10.0	108	39-145	4	20
Hexachlorobutadiene	ND	14.5	10.0	145 M1	13.5	10.0	135 M1	74-113	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB26-0100-19094
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	AVB26-0100-19094MS XWG0300408-4 Matrix Spike			AVB26-0100-19094DMS XWG0300408-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	10.7	10.0	107	10.3	10.0	103	44-167	3	20
1,2,3-Trichlorobenzene	ND	11.0	10.0	110	10.6	10.0	106	37-158	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

	Lab Control Sample XWG0300408-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300408-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	11.5	10.0	115	11.0	10.0	110	1-233	5	20
Chloromethane	7.90	10.0	79	7.90	10.0	79	46-156	0	20
Vinyl Chloride	10.4	10.0	104	10.6	10.0	106	51-158	2	20
Bromomethane	5.62	10.0	56	5.88	10.0	59	37-149	5	20
Chloroethane	9.75	10.0	98	10.3	10.0	103	56-146	5	20
Trichlorofluoromethane	12.2	10.0	122	12.1	10.0	121	69-139	1	20
1,1,2-Trichlorotrifluoroethane	14.0	10.0	140 L1	13.5	10.0	135 L1	83-130	3	20
1,1-Dichloroethene	11.3	10.0	113 L1	11.5	10.0	115 L1	65-112	1	20
Acetone	31.7	40.0	79	35.5	40.0	89	68-128	11	20
Iodomethane	32.0	40.0	80	31.2	40.0	78	68-144	2	20
Carbon Disulfide	48.0	40.0	120	48.4	40.0	121	67-140	1	20
Methylene Chloride	9.63	10.0	96	9.89	10.0	99	70-113	3	20
Methyl tert-Butyl Ether	8.87	10.0	89	9.51	10.0	95	75-115	7	20
trans-1,2-Dichloroethene	10.5	10.0	105	10.6	10.0	106	73-118	1	20
1,1-Dichloroethane	10.1	10.0	101	10.3	10.0	103	77-127	1	20
Vinyl Acetate	43.8	40.0	109	44.3	40.0	111	51-202	1	39
2,2-Dichloropropane	11.2	10.0	112	11.2	10.0	112	75-132	0	20
2-Butanone (MEK)	35.1	40.0	88	37.2	40.0	93	72-122	6	20
cis-1,2-Dichloroethene	10.1	10.0	101	10.3	10.0	103	81-118	2	20
Bromochloromethane	9.84	10.0	98	10.1	10.0	101	82-114	3	20
Chloroform	9.82	10.0	98	10.1	10.0	101	78-119	3	20
1,1,1-Trichloroethane	10.7	10.0	107	10.9	10.0	109	71-125	1	20
Carbon Tetrachloride	12.1	10.0	121	12.3	10.0	123	69-130	1	20
1,1-Dichloropropene	11.5	10.0	115 L1	11.6	10.0	116 L1	77-114	0	20
Benzene	10.1	10.0	101	10.1	10.0	101	81-117	0	20
1,2-Dichloroethane	8.44	10.0	84	8.94	10.0	89	67-122	6	20
Trichloroethene	10.7	10.0	107	10.7	10.0	107	79-114	0	20
1,2-Dichloropropane	9.12	10.0	91	9.17	10.0	92	78-114	1	20
Dibromomethane	8.99	10.0	90	9.49	10.0	95	78-113	5	20
Bromodichloromethane	9.38	10.0	94	9.67	10.0	97	79-122	3	20
cis-1,3-Dichloropropene	9.85	10.0	99	10.1	10.0	101	82-118	3	20
4-Methyl-2-pentanone (MIBK)	33.7	40.0	84	37.4	40.0	94	75-115	10	20
Toluene	10.6	10.0	106	10.7	10.0	107	85-118	1	20
trans-1,3-Dichloropropene	9.36	10.0	94	9.83	10.0	98	79-121	5	20
1,1,2-Trichloroethane	8.56	10.0	86	9.22	10.0	92	79-116	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300226
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

	Lab Control Sample XWG0300408-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300408-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	12.1	10.0	121	11.9	10.0	119	76-127	2	20
2-Hexanone	31.7	40.0	79	35.5	40.0	89	65-120	11	20
1,3-Dichloropropane	8.97	10.0	90	9.49	10.0	95	81-116	6	20
Dibromochloromethane	9.37	10.0	94	9.72	10.0	97	77-119	4	20
1,2-Dibromoethane	9.39	10.0	94	9.95	10.0	100	79-116	6	20
Chlorobenzene	10.0	10.0	100	10.1	10.0	101	84-114	1	20
1,1,1,2-Tetrachloroethane	9.61	10.0	96	9.73	10.0	97	78-118	1	20
Ethylbenzene	10.8	10.0	108	10.9	10.0	109	79-124	1	20
m,p-Xylenes	21.8	20.0	109	21.9	20.0	109	75-131	0	20
o-Xylene	10.4	10.0	104	10.4	10.0	104	78-122	0	20
Styrene	10.4	10.0	104	10.5	10.0	105	80-126	1	20
Isopropylbenzene	11.1	10.0	111	11.1	10.0	111	75-126	0	20
Bromobenzene	9.85	10.0	99	10.2	10.0	102	82-122	3	20
1,2,3-Trichloropropane	8.59	10.0	86	9.10	10.0	91	77-118	6	20
n-Propylbenzene	11.2	10.0	112	11.1	10.0	111	75-129	0	20
2-Chlorotoluene	10.5	10.0	105	10.5	10.0	105	77-126	0	20
4-Chlorotoluene	10.3	10.0	103	10.4	10.0	104	82-120	0	20
1,3,5-Trimethylbenzene	10.9	10.0	109	11.0	10.0	110	75-130	0	20
tert-Butylbenzene	11.8	10.0	118	11.8	10.0	118	73-130	0	20
1,2,4-Trimethylbenzene	10.7	10.0	107	10.7	10.0	107	60-137	0	20
sec-Butylbenzene	11.2	10.0	112	11.0	10.0	110	68-131	2	20
1,3-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	71-137	0	20
4-Isopropyltoluene	12.0	10.0	120	11.8	10.0	118	68-134	2	20
Bromoform	9.14	10.0	91	9.69	10.0	97	70-118	6	20
1,1,2,2-Tetrachloroethane	8.54	10.0	85	9.19	10.0	92	72-122	7	20
1,4-Dichlorobenzene	10.1	10.0	101	9.97	10.0	100	82-114	2	20
1,2-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	81-118	0	20
n-Butylbenzene	11.3	10.0	113	11.0	10.0	110	71-125	3	20
1,2-Dibromo-3-chloropropane	7.51	10.0	75	8.46	10.0	85	55-131	12	20
1,2,4-Trichlorobenzene	10.4	10.0	104	10.4	10.0	104	75-123	0	20
Hexachlorobutadiene	13.0	10.0	130	12.1	10.0	121	63-140	7	20
Naphthalene	9.57	10.0	96	9.98	10.0	100	67-125	4	20
1,2,3-Trichlorobenzene	10.3	10.0	103	10.6	10.0	106	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 27, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 17, 2003. For your reference, these analyses have been assigned our service request number L2300593.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

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Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

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COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154

Service Request : L2300593

Sample Name :	Lab Code :
Laboratory Control Sample	L2300324-LCS
Method Blank	L2300324-MB
AVB26-0100-19094	L2300593-001
AVB26-0100-19094	L2300593-001S
AVB26-0100-19094	L2300593-001SD
AVB99-0100-03100	L2300593-002
AVB85-0100-05103	L2300593-003
AVB83-0100-05106	L2300593-004
AVB83-0104-1000	L2300593-005

Approved By: Joe Anderson Date: 3/27/03

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB26-0100-19094
Lab Code : L2300593-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	17	

000038

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB26-0100-19094
Lab Code : L2300593-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000039

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB99-0100-03100
Lab Code : L2300593-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB99-0100-03100
Lab Code : L2300593-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB85-0100-05103
Lab Code : L2300593-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB85-0100-05103
Lab Code : L2300593-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB83-0100-05106
Lab Code : L2300593-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB83-0100-05106
Lab Code : L2300593-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB83-0104-1000
Lab Code : L2300593-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB83-0104-1000
Lab Code : L2300593-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300324-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03
Date Analyzed : 03/26/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300324-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	533	107	87-111	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300593
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03
Date Analyzed : 03/26/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB26-0100-19094
Lab Code : L2300593-001S L2300593-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	17.3	523	517	101	100	87-105	1	

Columbia Analytical Services INC.
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L2300593

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FC

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-17-03 PAGE 1 OF 1

PROJECT NAME ~~[illegible]~~ WVBA # 03103154

PROJECT MANAGER CHUCK GORDON

COMPANY/ADDRESS BE+K

480 496 4100 PHONE/FAX

SAMPLER'S SIGNATURE [signature]

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR HW03	DISSOLVED CR			REMARKS
~~AVB26-0100-19094~~																							
AVB26-0100-19094	3-17-03	0745	~~226~~-001	AQ		5		3											1	1			
AVB99-0100-03100	"	0915	002	"		5		3											1	1			
AVB-85-0100-05103	"	1040	003	"		5		3											1	1			
AVB 83-0100-05106	"	1210	004	"		5		3											1	1			
AVB 83-0104-1000	"	1230	005	"		5		3											1	1			
AVB 83-0102-1000	"		006	"		1			LK														

SPECIAL INSTRUCTIONS/COMMENTS:

L2300593

REPORT REQUIREMENTS

___ I. Routine Report
___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____
Bill To _____

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex
Shipping #: _____
Condition: _____
Lab No: X23-00226

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	BE+K	3-17-03 13:10	Leslie May	CAS	3-17-03 1310
Leslie May	CAS	3-17-03 1600	Fedex		
Fedex			[signature]	CAS	3/18/03 0855

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

Temp. 5.2°C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0593 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or (N) (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = {1-500ml Pl (NP) A; 1-500ml Pl (HNO3) B}

Comments Diss Metals bottle to be filtered & preserved in lab, Benny notified @ 3/18/03 0950

3/18/03

Initials, Date, Time LK 3/18/03 0930 r:\sr_forms\cooler.doc Rev. 1/17/02

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Columbia Analytical Services INC.
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-17-03 PAGE 1 OF 1

PROJECT NAME ~~[illegible]~~ WVBA # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS B E+K

480 496 4100 PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR HW03	Dissolved CR			REMARKS
~~AVB26-0100-[illegible]~~																							
AVB26-0100-19094	3-17-03	0745	226-001	AQ		5		3											1	1			
AVB99-0100-03100	"	0915	002	"		5		3											1	1			
AVB-85-0100-05103	"	1040	003	"		5		3											1	1			
AVB 83-0100-05106	"	1210	004	"		5		3											1	1			
AVB 83-0104-1000	"	1230	005	"		5		3											1	1			
AVB 83-0102-1000	"		006	"		1																	

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report
___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____
Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X23-00226

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	B E+K	3-19-03 13:10	Leslie May	CAS	3-17-03 1310
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

Temp. 5.2°C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0224

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: WUBA

Sample(s) Received on: 3-17-03 date 1310 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.2°C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

000054

Columbia Analytical Services INC.
An Employee-Owned Company

April 4, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 17, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300594). For your reference, the 8260 analyses have been assigned our service request number X2300228.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300228
Project:	WVB	**Date Received:**	3/17/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300408-1and XWG0300408-2) recovery of 1,1-Dichloroethene, and 1,1-Dichloropropene, Method 8260B, was above laboratory acceptance limits but within method limits.

The associated blank spike (XWG0300408-1and XWG0300408-2) recovery of 1,1,2-Trichlorotrifluoroethane, Method 8260B, was above laboratory acceptance limits. Any detects of these compounds for samples should be considered high biased.

CCV recovery of 2-Hexanone, Method 8260B, was below method acceptance limits on 3/27/03. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Matrix spike (XWG0300408-4 and XWG0300408-5) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Approved by JMD **Date** 4-4-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB

Service Request: X2300228

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB92-0200-03206	X2300228-001	03/17/2003	03/17/2003
AVB96-0200-03234	X2300228-002	03/17/2003	03/17/2003
AVB94-0200-03201	X2300228-003	03/17/2003	03/17/2003
AVB94-0204-1000	X2300228-004	03/17/2003	03/17/2003
AVB94-0202-1000	X2300228-005	03/17/2003	03/17/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-4-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB92-0200-03206
Lab Code: X2300228-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**0.58**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB92-0200-03206
Lab Code: X2300228-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**0.69**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB92-0200-03206
Lab Code: X2300228-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	03/27/03	
Toluene-d8	109	68-126	03/27/03	
4-Bromofluorobenzene	104	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB96-0200-03234
Lab Code: X2300228-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	**10**		10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB96-0200-03234
Lab Code: X2300228-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB96-0200-03234
Lab Code: X2300228-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	03/27/03	
Toluene-d8	108	68-126	03/27/03	
4-Bromofluorobenzene	102	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0200-03201
Lab Code: X2300228-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	**2.1**		1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	**2.7**		1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	**1.1**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**1.2**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0200-03201
Lab Code: X2300228-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**1.2**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0200-03201
Lab Code: X2300228-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/27/03	
Toluene-d8	109	68-126	03/27/03	
4-Bromofluorobenzene	103	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0204-1000
Lab Code: X2300228-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0204-1000
Lab Code: X2300228-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0204-1000
Lab Code: X2300228-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	109	68-126	03/27/03	
4-Bromofluorobenzene	104	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0202-1000
Lab Code: X2300228-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0202-1000
Lab Code: X2300228-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: 03/17/2003
Date Received: 03/17/2003

Volatile Organic Compounds

Sample Name: AVB94-0202-1000
Lab Code: X2300228-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/27/03	
Toluene-d8	111	68-126	03/27/03	
4-Bromofluorobenzene	105	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	L1
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	L1
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

000024

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300408-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/27/03	
Toluene-d8	104	68-126	03/27/03	
4-Bromofluorobenzene	103	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB92-0200-03206	X2300228-001	106	109	104
AVB96-0200-03234	X2300228-002	104	108	102
AVB94-0200-03201	X2300228-003	105	109	103
AVB94-0204-1000	X2300228-004	103	109	104
AVB94-0202-1000	X2300228-005	107	111	105
Method Blank	XWG0300408-3	105	104	103
Batch QC	X2300226-001	107	112	106
Batch QCMS	XWG0300408-4	103	110	107
Batch QCDMS	XWG0300408-5	102	106	101
Lab Control Sample	XWG0300408-1	100	101	100
Duplicate Lab Control Sample	XWG0300408-2	101	100	100

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300226-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	Batch QCMS XWG0300408-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300408-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	27.6	10.0	276 M1	26.5	10.0	265 M1	78-207	4	20
Chloromethane	ND	11.9	10.0	119	11.5	10.0	115	70-157	4	20
Vinyl Chloride	ND	14.7	10.0	147	14.4	10.0	144	79-174	3	20
Bromomethane	ND	7.09	10.0	71	7.06	10.0	71	44-150	0	20
Chloroethane	ND	11.9	10.0	119	11.3	10.0	113	74-150	6	20
Trichlorofluoromethane	ND	14.7	10.0	147 M1	14.4	10.0	144 M1	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	14.7	10.0	147 M1	14.5	10.0	145 M1	67-128	2	20
1,1-Dichloroethene	1.6	14.1	10.0	125	13.8	10.0	122	71-142	2	20
Acetone	ND	32.4	40.0	81	33.6	40.0	84	1-155	4	20
Iodomethane	ND	31.8	40.0	79	29.9	40.0	75	47-120	6	20
Carbon Disulfide	ND	50.8	40.0	127 M1	48.8	40.0	122	77-126	4	20
Methylene Chloride	ND	9.88	10.0	99	9.67	10.0	97	83-106	2	20
Methyl tert-Butyl Ether	ND	9.70	10.0	97	9.83	10.0	98	70-118	1	20
trans-1,2-Dichloroethene	ND	11.4	10.0	114	11.2	10.0	112	86-115	2	20
1,1-Dichloroethane	0.94	11.2	10.0	103	11.1	10.0	102	77-127	1	20
Vinyl Acetate	ND	44.8	40.0	112	44.7	40.0	112	8-187	0	20
2,2-Dichloropropane	ND	12.2	10.0	122	11.7	10.0	117	25-154	4	20
2-Butanone (MEK)	ND	36.6	40.0	92	37.1	40.0	93	90-112	1	20
cis-1,2-Dichloroethene	1.7	12.2	10.0	104	12.0	10.0	102	69-118	2	20
Bromochloromethane	ND	9.48	10.0	95	9.41	10.0	94	47-136	1	20
Chloroform	1.8	11.8	10.0	100	11.7	10.0	99	48-143	0	20
1,1,1-Trichloroethane	ND	12.3	10.0	123 M1	12.0	10.0	120	84-122	2	20
Carbon Tetrachloride	ND	13.3	10.0	133 M1	13.2	10.0	132 M1	79-120	1	20
1,1-Dichloropropene	ND	12.5	10.0	125 M1	12.1	10.0	121 M1	85-117	3	20
Benzene	8.0	18.9	10.0	109	18.0	10.0	100	88-114	5	20
1,2-Dichloroethane	ND	8.85	10.0	89	8.81	10.0	88	75-112	0	20
Trichloroethene	4.9	16.3	10.0	113	15.8	10.0	109	76-115	3	20
1,2-Dichloropropane	ND	9.54	10.0	95	9.46	10.0	95	85-107	1	20
Dibromomethane	ND	9.26	10.0	93	9.21	10.0	92	82-106	1	20
Bromodichloromethane	0.90	10.5	10.0	96	10.5	10.0	96	83-107	0	20
cis-1,3-Dichloropropene	ND	9.79	10.0	98	9.58	10.0	96	70-114	2	20
4-Methyl-2-pentanone (MIBK)	ND	36.8	40.0	92	35.6	40.0	89	54-129	3	20
Toluene	2.0	13.4	10.0	114	13.0	10.0	110	86-114	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	Batch QCMS XWG0300408-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300408-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.62	10.0	96	9.47	10.0	95	73-112	2	20
1,1,2-Trichloroethane	ND	9.45	10.0	95	9.35	10.0	94	79-112	1	20
Tetrachloroethene	10	24.2	10.0	138 M1	23.2	10.0	127	78-130	4	20
2-Hexanone	ND	35.2	40.0	88	35.1	40.0	88	77-112	0	20
1,3-Dichloropropane	ND	9.43	10.0	94	9.37	10.0	94	45-133	1	20
Dibromochloromethane	ND	9.98	10.0	100	9.99	10.0	100	74-108	0	20
1,2-Dibromoethane	ND	9.77	10.0	98	9.68	10.0	97	73-113	1	20
Chlorobenzene	ND	10.8	10.0	108	10.4	10.0	104	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	10.3	10.0	103	9.86	10.0	99	84-119	4	20
Ethylbenzene	2.2	14.2	10.0	120	13.4	10.0	112	47-136	6	20
m,p-Xylenes	2.1	26.1	20.0	120	24.6	20.0	112	84-120	6	20
o-Xylene	1.7	13.2	10.0	115	12.6	10.0	109	47-143	5	20
Styrene	ND	11.0	10.0	110	10.5	10.0	105	72-121	5	20
Isopropylbenzene	ND	12.7	10.0	127 M1	12.0	10.0	120 M1	63-108	6	20
Bromobenzene	ND	10.7	10.0	107	10.1	10.0	101	80-113	6	20
1,2,3-Trichloropropane	ND	9.39	10.0	94	9.14	10.0	91	78-119	3	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.0	10.0	120 M1	76-117	5	20
2-Chlorotoluene	ND	11.4	10.0	114	10.9	10.0	109	79-121	5	20
4-Chlorotoluene	ND	11.3	10.0	113	10.7	10.0	107	70-133	5	20
1,3,5-Trimethylbenzene	ND	12.4	10.0	124 M1	11.8	10.0	118	79-118	5	20
tert-Butylbenzene	ND	13.3	10.0	133 M1	12.5	10.0	125 M1	77-120	6	20
1,2,4-Trimethylbenzene	1.4	13.2	10.0	118	12.6	10.0	112	68-127	5	20
sec-Butylbenzene	ND	13.0	10.0	130 M1	12.2	10.0	122	78-123	6	20
1,3-Dichlorobenzene	ND	11.0	10.0	110	10.5	10.0	105	78-127	4	20
4-Isopropyltoluene	ND	13.5	10.0	135	12.7	10.0	127	79-142	6	20
Bromoform	ND	9.77	10.0	98	9.74	10.0	97	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	9.30	10.0	93	9.52	10.0	95	66-133	2	20
1,4-Dichlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	10.6	10.0	106	10.3	10.0	103	64-109	2	20
n-Butylbenzene	ND	12.7	10.0	127 M1	12.2	10.0	122	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	8.00	10.0	80	8.22	10.0	82	54-160	3	20
1,2,4-Trichlorobenzene	ND	11.2	10.0	112	10.8	10.0	108	39-145	4	20
Hexachlorobutadiene	ND	14.5	10.0	145 M1	13.5	10.0	135 M1	74-113	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300226-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

Analyte Name	Sample Result	Batch QCMS XWG0300408-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300408-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND	10.7	10.0	107	10.3	10.0	103	44-167	3	20
1,2,3-Trichlorobenzene	ND	11.0	10.0	110	10.6	10.0	106	37-158	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

	Lab Control Sample XWG0300408-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300408-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	11.5	10.0	115	11.0	10.0	110	1-233	5	20
Chloromethane	7.90	10.0	79	7.90	10.0	79	46-156	0	20
Vinyl Chloride	10.4	10.0	104	10.6	10.0	106	51-158	2	20
Bromomethane	5.62	10.0	56	5.88	10.0	59	37-149	5	20
Chloroethane	9.75	10.0	98	10.3	10.0	103	56-146	5	20
Trichlorofluoromethane	12.2	10.0	122	12.1	10.0	121	69-139	1	20
1,1,2-Trichlorotrifluoroethane	14.0	10.0	140 L1	13.5	10.0	135 L1	83-130	3	20
1,1-Dichloroethene	11.3	10.0	113 L1	11.5	10.0	115 L1	65-112	1	20
Acetone	31.7	40.0	79	35.5	40.0	89	68-128	11	20
Iodomethane	32.0	40.0	80	31.2	40.0	78	68-144	2	20
Carbon Disulfide	48.0	40.0	120	48.4	40.0	121	67-140	1	20
Methylene Chloride	9.63	10.0	96	9.89	10.0	99	70-113	3	20
Methyl tert-Butyl Ether	8.87	10.0	89	9.51	10.0	95	75-115	7	20
trans-1,2-Dichloroethene	10.5	10.0	105	10.6	10.0	106	73-118	1	20
1,1-Dichloroethane	10.1	10.0	101	10.3	10.0	103	77-127	1	20
Vinyl Acetate	43.8	40.0	109	44.3	40.0	111	51-202	1	39
2,2-Dichloropropane	11.2	10.0	112	11.2	10.0	112	75-132	0	20
2-Butanone (MEK)	35.1	40.0	88	37.2	40.0	93	72-122	6	20
cis-1,2-Dichloroethene	10.1	10.0	101	10.3	10.0	103	81-118	2	20
Bromochloromethane	9.84	10.0	98	10.1	10.0	101	82-114	3	20
Chloroform	9.82	10.0	98	10.1	10.0	101	78-119	3	20
1,1,1-Trichloroethane	10.7	10.0	107	10.9	10.0	109	71-125	1	20
Carbon Tetrachloride	12.1	10.0	121	12.3	10.0	123	69-130	1	20
1,1-Dichloropropene	11.5	10.0	115 L1	11.6	10.0	116 L1	77-114	0	20
Benzene	10.1	10.0	101	10.1	10.0	101	81-117	0	20
1,2-Dichloroethane	8.44	10.0	84	8.94	10.0	89	67-122	6	20
Trichloroethene	10.7	10.0	107	10.7	10.0	107	79-114	0	20
1,2-Dichloropropane	9.12	10.0	91	9.17	10.0	92	78-114	1	20
Dibromomethane	8.99	10.0	90	9.49	10.0	95	78-113	5	20
Bromodichloromethane	9.38	10.0	94	9.67	10.0	97	79-122	3	20
cis-1,3-Dichloropropene	9.85	10.0	99	10.1	10.0	101	82-118	3	20
4-Methyl-2-pentanone (MIBK)	33.7	40.0	84	37.4	40.0	94	75-115	10	20
Toluene	10.6	10.0	106	10.7	10.0	107	85-118	1	20
trans-1,3-Dichloropropene	9.36	10.0	94	9.83	10.0	98	79-121	5	20
1,1,2-Trichloroethane	8.56	10.0	86	9.22	10.0	92	79-116	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000050

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300228
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300408

	Lab Control Sample XWG0300408-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300408-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	12.1	10.0	121	11.9	10.0	119	76-127	2	20
2-Hexanone	31.7	40.0	79	35.5	40.0	89	65-120	11	20
1,3-Dichloropropane	8.97	10.0	90	9.49	10.0	95	81-116	6	20
Dibromochloromethane	9.37	10.0	94	9.72	10.0	97	77-119	4	20
1,2-Dibromoethane	9.39	10.0	94	9.95	10.0	100	79-116	6	20
Chlorobenzene	10.0	10.0	100	10.1	10.0	101	84-114	1	20
1,1,1,2-Tetrachloroethane	9.61	10.0	96	9.73	10.0	97	78-118	1	20
Ethylbenzene	10.8	10.0	108	10.9	10.0	109	79-124	1	20
m,p-Xylenes	21.8	20.0	109	21.9	20.0	109	75-131	0	20
o-Xylene	10.4	10.0	104	10.4	10.0	104	78-122	0	20
Styrene	10.4	10.0	104	10.5	10.0	105	80-126	1	20
Isopropylbenzene	11.1	10.0	111	11.1	10.0	111	75-126	0	20
Bromobenzene	9.85	10.0	99	10.2	10.0	102	82-122	3	20
1,2,3-Trichloropropane	8.59	10.0	86	9.10	10.0	91	77-118	6	20
n-Propylbenzene	11.2	10.0	112	11.1	10.0	111	75-129	0	20
2-Chlorotoluene	10.5	10.0	105	10.5	10.0	105	77-126	0	20
4-Chlorotoluene	10.3	10.0	103	10.4	10.0	104	82-120	0	20
1,3,5-Trimethylbenzene	10.9	10.0	109	11.0	10.0	110	75-130	0	20
tert-Butylbenzene	11.8	10.0	118	11.8	10.0	118	73-130	0	20
1,2,4-Trimethylbenzene	10.7	10.0	107	10.7	10.0	107	60-137	0	20
sec-Butylbenzene	11.2	10.0	112	11.0	10.0	110	68-131	2	20
1,3-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	71-137	0	20
4-Isopropyltoluene	12.0	10.0	120	11.8	10.0	118	68-134	2	20
Bromoform	9.14	10.0	91	9.69	10.0	97	70-118	6	20
1,1,2,2-Tetrachloroethane	8.54	10.0	85	9.19	10.0	92	72-122	7	20
1,4-Dichlorobenzene	10.1	10.0	101	9.97	10.0	100	82-114	2	20
1,2-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	81-118	0	20
n-Butylbenzene	11.3	10.0	113	11.0	10.0	110	71-125	3	20
1,2-Dibromo-3-chloropropane	7.51	10.0	75	8.46	10.0	85	55-131	12	20
1,2,4-Trichlorobenzene	10.4	10.0	104	10.4	10.0	104	75-123	0	20
Hexachlorobutadiene	13.0	10.0	130	12.1	10.0	121	63-140	7	20
Naphthalene	9.57	10.0	96	9.98	10.0	100	67-125	4	20
1,2,3-Trichlorobenzene	10.3	10.0	103	10.6	10.0	106	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 27, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: WVB

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 17, 2003. For your reference, these analyses have been assigned our service request number L2300594.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA

Service Request : L2300594

Sample Name :	Lab Code :
Batch QC	L2300593-001S
Batch QC	L2300593-001SD
Laboratory Control Sample	L2300324-LCS
Method Blank	L2300324-MB
AVB92-0200-03206	L2300594-001
AVB96-0200-03234	L2300594-002
AVB94-0200-03201	L2300594-003
AVB94-0204-1000	L2300594-004

Approved By: Sue Anderson Date: 3/27/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300594
Project Name :	WVB	**Date Collected :**	03/17/03
Project No. :	NA	**Date Received :**	03/17/03
Matrix :	Water	**Date Extracted :**	03/24/03

Total Metals

Sample Name :	AVB92-0200-03206	**Units :**	ug/L (ppb)
Lab Code :	L2300594-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	19	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB92-0200-03206
Lab Code : L2300594-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB96-0200-03234
Lab Code : L2300594-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB96-0200-03234
Lab Code : L2300594-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB94-0200-03201
Lab Code : L2300594-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB94-0200-03201
Lab Code : L2300594-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Total Metals

Sample Name : AVB94-0204-1000
Lab Code : L2300594-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : 03/17/03
Date Received : 03/17/03
Date Extracted : 03/24/03

Dissolved Metals

Sample Name : AVB94-0204-1000
Lab Code : L2300594-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300324-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300594
Date Collected : NA
Date Received : NA
Date Extracted : 03/24/03
Date Analyzed : 03/26/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300324-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	533	107	87-111	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300594
Project Name :	WVB	**Date Collected :**	NA
Project No. :	NA	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/24/03
		Date Analyzed :	03/26/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	Batch QC		**Units :**	ug/L (ppb)
Lab Code :	L2300593-001S	L2300593-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	17.3	523	517	101	100	87-105	1	

Columbia Analytical Services INC.
An Employee - Owned Company

L2300594

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.17.03 PAGE 1 OF 1

PROJECT NAME WVB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS B&R

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	ANALYSIS REQUESTED: Volatile Organics GC/MS 624/8260 (LK)	Total Cr	Diss Cr	REMARKS
AVB92-0200-03206	3.17	9.10	0228.001	AQ	HCl/HNO3	5	3	1	1	
AVB96-0200-03234	3.17	11.40	002	"	"	5	3	1	1	
AVB94-0200-03201	3.17	14.35	003	"	"	5	3	1	1	
AVBH ~~6204~~ - 1000 ~~6206~~	3.17	15.00	004	"	"	5	3	1	1 (MK)	
~~AVBH-0202-1000~~	3.17		005	"	~~HCl~~	~~1~~	1	X X		
					~~HCl/HNO3~~					

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SPECIAL INSTRUCTIONS/COMMENTS:

0000046

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X23-00228

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	B&R	3.17 15:40	Leslie May	CAS	3.17.03 1540
Leslie May	CAS	3.17.03 1600	(LK) Fedex		
Fedex				CAS	3/19/03 0855

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300594 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or (N) (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK

RUSH Turn around time? Yes ____ Notified ____Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -4 = 1-500ml Pl (NP) A
1-500ml Pl (HNO3) B

Comments Diss Metals bottle to be filtered & preserved in lab, Benny notified 3/18/03 @ 0950

3/18/03

Initials, Date, Time LK 3/18/03 0940

r:\sr_forms\cooler.doc Rev. 1/17/02

000047

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.17.03 PAGE 1 OF 1

PROJECT NAME WVB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS BE&Q

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AV892-0200-03206	3.17	9.10	0228.001	AQ	HCl/HNO3	5		3											1	1			
AV896-0200-03234	3.17	11.40	002	"	"	5		3											1	1			
AV894-0200-03201	3.17	14.35	003	"	"	5		3											1	1			
AV894 0204 - 1000	3.17	15.00	004	"	"	5		3											1	1			
AV894-0202-1000	3.17	—	005	"	HCl	1		1											X	X			NK
					HCl/HNO3																		

000048

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#
Bill To

SAMPLE RECEIPT:

Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00228

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE&K	3.17 15:40	Leslie May	CAS	3.17.03 1540
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0228

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: Terranext

Sample(s) Received on: 3-17-03 date 1540 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 2.2 °C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): Lm

Columbia Analytical Services INC.
An Employee-Owned Company

April 4, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 18, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300618). For your reference, the 8260 analyses have been assigned our service request number X2300235.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300235
Project:	WVB / #03103154	**Date Received:**	3/18/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300416-1) recovery of 1,1,2-Trichlorotrifluoroethane Method 8260B, was above laboratory acceptance limits. This compound was not detected in any sample.

The associated blank spike (XWG0300416-1) recovery of 1,1-Dichloroethene, and 1,1-Dichloropropene, Method 8260B, was above laboratory acceptance limits but within method acceptance limits.

Matrix spike (XWG0300416-4 and XWG0300416-5) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

MS/DMS (XWG0300417-1 and XWG0300417-2) RPD for Chloroethane and Acetone, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by JMD **Date** 4-7-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#0310-3154

Service Request: X2300235

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB91-0202-1000	X2300235-001	03/18/2003	03/19/2003
AVB91-0200-03300	X2300235-002	03/18/2003	03/19/2003
AVB91-0204-1000	X2300235-003	03/18/2003	03/19/2003
AVB98-0100-03290	X2300235-004	03/18/2003	03/19/2003
AVB98-0101-03290	X2300235-005	03/18/2003	03/19/2003
AVB81-0100-05300	X2300235-006	03/18/2003	03/19/2003
AVB91-0200-03300MS	XWG0300416-4	03/18/2003	03/19/2003
AVB91-0200-03300DMS	XWG0300416-5	03/18/2003	03/19/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-7-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0202-1000
Lab Code: X2300235-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0202-1000
Lab Code: X2300235-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0202-1000
Lab Code: X2300235-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/28/03	
Toluene-d8	111	68-126	03/28/03	
4-Bromofluorobenzene	105	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	**1.1**		1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	**1.2**		0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	**4.4**		0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	03/28/03	
Toluene-d8	109	68-126	03/28/03	
4-Bromofluorobenzene	103	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0204-1000
Lab Code: X2300235-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

000014

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0204-1000
Lab Code: X2300235-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

000015

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB91-0204-1000
Lab Code: X2300235-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/28/03	
Toluene-d8	110	68-126	03/28/03	
4-Bromofluorobenzene	102	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0100-03290
Lab Code: X2300235-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0100-03290
Lab Code: X2300235-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0100-03290
Lab Code: X2300235-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/28/03	
Toluene-d8	110	68-126	03/28/03	
4-Bromofluorobenzene	103	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0101-03290
Lab Code: X2300235-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0101-03290
Lab Code: X2300235-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB98-0101-03290
Lab Code: X2300235-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	03/28/03	
Toluene-d8	111	68-126	03/28/03	
4-Bromofluorobenzene	105	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB81-0100-05300
Lab Code: X2300235-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB81-0100-05300
Lab Code: X2300235-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: 03/18/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB81-0100-05300
Lab Code: X2300235-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/28/03	
Toluene-d8	111	68-126	03/28/03	
4-Bromofluorobenzene	106	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300416-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/28/03	03/28/03	
Chloromethane	ND	U	2.0	1	03/28/03	03/28/03	
Vinyl Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Bromomethane	ND	U	1.0	1	03/28/03	03/28/03	
Chloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Trichlorofluoromethane	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/28/03	03/28/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/28/03	03/28/03	L1
Acetone	ND	U	10	1	03/28/03	03/28/03	
Iodomethane	ND	U	2.0	1	03/28/03	03/28/03	
Carbon Disulfide	ND	U	2.0	1	03/28/03	03/28/03	
Methylene Chloride	ND	U	1.0	1	03/28/03	03/28/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/28/03	03/28/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Vinyl Acetate	ND	U	3.0	1	03/28/03	03/28/03	
2,2-Dichloropropane	ND	U	2.0	1	03/28/03	03/28/03	
2-Butanone (MEK)	ND	U	8.0	1	03/28/03	03/28/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
Bromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
Chloroform	ND	U	1.0	1	03/28/03	03/28/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Carbon Tetrachloride	ND	U	0.50	1	03/28/03	03/28/03	
1,1-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	L1
Benzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Trichloroethene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichloropropane	ND	U	0.50	1	03/28/03	03/28/03	
Dibromomethane	ND	U	0.50	1	03/28/03	03/28/03	
Bromodichloromethane	ND	U	0.50	1	03/28/03	03/28/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/28/03	03/28/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/28/03	03/28/03	
Toluene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300416-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/28/03	03/28/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/28/03	03/28/03	
Tetrachloroethene	ND	U	0.50	1	03/28/03	03/28/03	
2-Hexanone	ND	U	5.0	1	03/28/03	03/28/03	
1,3-Dichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
Dibromochloromethane	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromoethane	ND	U	0.50	1	03/28/03	03/28/03	
Chlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/28/03	03/28/03	
Ethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
m,p-Xylenes	ND	U	1.0	1	03/28/03	03/28/03	
o-Xylene	ND	U	0.50	1	03/28/03	03/28/03	
Styrene	ND	U	0.50	1	03/28/03	03/28/03	
Isopropylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
Bromobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/28/03	03/28/03	
n-Propylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
2-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
4-Chlorotoluene	ND	U	0.50	1	03/28/03	03/28/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
tert-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
sec-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
4-Isopropyltoluene	ND	U	0.50	1	03/28/03	03/28/03	
Bromoform	ND	U	0.50	1	03/28/03	03/28/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/28/03	03/28/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
n-Butylbenzene	ND	U	0.50	1	03/28/03	03/28/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/28/03	03/28/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	
Hexachlorobutadiene	ND	U	0.50	1	03/28/03	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300416-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/28/03	03/28/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/28/03	03/28/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	03/28/03	
Toluene-d8	103	68-126	03/28/03	
4-Bromofluorobenzene	101	79-113	03/28/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Service Request: X2300235

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Surrogate Recovery Summary
Volatile Organic Compounds

Units: PERCENT
Level: Low

Extraction Method: EPA 5030B
Analysis Method: 8260B

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB91-0202-1000	X2300235-001	105	111	105
AVB91-0200-03300	X2300235-002	108	109	103
AVB91-0204-1000	X2300235-003	107	110	102
AVB98-0100-03290	X2300235-004	107	110	103
AVB98-0101-03290	X2300235-005	106	111	105
AVB81-0100-05300	X2300235-006	107	111	106
Method Blank	XWG0300416-3	100	103	101
AVB91-0200-03300MS	XWG0300416-4	105	112	107
AVB91-0200-03300DMS	XWG0300416-5	105	109	104
Lab Control Sample	XWG0300416-1	94	95	99
Duplicate Lab Control Sample	XWG0300416-2	97	100	104

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300416

Analyte Name	Sample Result	AVB91-0200-03300MS XWG0300416-4 Matrix Spike Result	Expected	%Rec	AVB91-0200-03300DMS XWG0300416-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	17.1	10.0	171	16.8	10.0	168	78-207	2	20
Chloromethane	ND	8.09	10.0	81	8.12	10.0	81	70-157	0	20
Vinyl Chloride	ND	9.96	10.0	100	9.87	10.0	99	79-174	1	20
Bromomethane	ND	5.33	10.0	53	5.02	10.0	50	44-150	6	20
Chloroethane	ND	9.35	10.0	94	8.25	10.0	83	74-150	13	20
Trichlorofluoromethane	ND	9.46	10.0	95	9.30	10.0	93	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	8.73	10.0	87	8.76	10.0	88	67-128	0	20
1,1-Dichloroethene	1.1	8.82	10.0	77	8.78	10.0	76	71-142	0	20
Acetone	ND	21.6	40.0	54	24.0	40.0	60	1-155	11	20
Iodomethane	ND	19.5	40.0	49	20.8	40.0	52	47-120	6	20
Carbon Disulfide	ND	31.6	40.0	79	31.2	40.0	78	77-126	1	20
Methylene Chloride	ND	6.14	10.0	61 M2	6.22	10.0	62 M2	83-106	1	20
Methyl tert-Butyl Ether	ND	5.80	10.0	58 M2	6.11	10.0	61 M2	70-118	5	20
trans-1,2-Dichloroethene	ND	6.86	10.0	69 M2	6.79	10.0	68 M2	86-115	1	20
1,1-Dichloroethane	ND	6.82	10.0	68 M2	6.85	10.0	69 M2	77-127	0	20
Vinyl Acetate	ND	27.2	40.0	68	29.2	40.0	73	8-187	7	20
2,2-Dichloropropane	ND	7.62	10.0	76	7.46	10.0	75	25-154	2	20
2-Butanone (MEK)	ND	21.9	40.0	55 M2	24.1	40.0	60 M2	90-112	9	20
cis-1,2-Dichloroethene	ND	6.34	10.0	63 M2	6.37	10.0	64 M2	69-118	0	20
Bromochloromethane	ND	5.48	10.0	55	5.67	10.0	57	47-136	3	20
Chloroform	ND	6.64	10.0	66	6.61	10.0	66	48-143	0	20
1,1,1-Trichloroethane	ND	7.76	10.0	78 M2	7.54	10.0	75 M2	84-122	3	20
Carbon Tetrachloride	ND	8.35	10.0	84	8.15	10.0	82	79-120	2	20
1,1-Dichloropropene	ND	7.73	10.0	77 M2	7.46	10.0	75 M2	85-117	4	20
Benzene	ND	6.89	10.0	69 M2	6.65	10.0	67 M2	88-114	4	20
1,2-Dichloroethane	ND	5.82	10.0	58 M2	5.97	10.0	60 M2	75-112	3	20
Trichloroethene	1.2	8.39	10.0	72 M2	8.03	10.0	69 M2	76-115	4	20
1,2-Dichloropropane	ND	6.12	10.0	61 M2	6.13	10.0	61 M2	85-107	0	20
Dibromomethane	ND	5.64	10.0	56 M2	5.87	10.0	59 M2	82-106	4	20
Bromodichloromethane	ND	6.19	10.0	62 M2	6.05	10.0	61 M2	83-107	2	20
cis-1,3-Dichloropropene	ND	5.97	10.0	60 M2	5.93	10.0	59 M2	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	20.1	40.0	50 M2	21.8	40.0	55	54-129	8	20
Toluene	ND	7.14	10.0	71 M2	6.85	10.0	69 M2	86-114	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

060030

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300416

Analyte Name	Sample Result	AVB91-0200-03300MS XWG0300416-4 Matrix Spike Result	Expected	%Rec	AVB91-0200-03300DMS XWG0300416-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	5.85	10.0	59 M2	5.93	10.0	59 M2	73-112	1	20
1,1,2-Trichloroethane	ND	5.68	10.0	57 M2	5.99	10.0	60 M2	79-112	5	20
Tetrachloroethene	4.4	12.7	10.0	84	12.2	10.0	78	78-130	5	20
2-Hexanone	ND	21.4	40.0	53 M2	22.4	40.0	56 M2	77-112	5	20
1,3-Dichloropropane	ND	5.96	10.0	60	6.00	10.0	60	45-133	1	20
Dibromochloromethane	ND	5.67	10.0	57 M2	5.72	10.0	57 M2	74-108	1	20
1,2-Dibromoethane	ND	5.85	10.0	59 M2	5.92	10.0	59 M2	73-113	1	20
Chlorobenzene	ND	6.42	10.0	64 M2	6.14	10.0	61 M2	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	6.10	10.0	61 M2	5.85	10.0	59 M2	84-119	4	20
Ethylbenzene	ND	7.17	10.0	72	6.82	10.0	68	47-136	5	20
m,p-Xylenes	ND	14.0	20.0	70 M2	13.4	20.0	67 M2	84-120	5	20
o-Xylene	ND	6.65	10.0	67	6.41	10.0	64	47-143	4	20
Styrene	ND	6.37	10.0	64 M2	6.06	10.0	61 M2	72-121	5	20
Isopropylbenzene	ND	7.39	10.0	74	7.07	10.0	71	63-108	4	20
Bromobenzene	ND	6.07	10.0	61 M2	5.97	10.0	60 M2	80-113	2	20
1,2,3-Trichloropropane	ND	5.87	10.0	59 M2	5.98	10.0	60 M2	78-119	2	20
n-Propylbenzene	ND	7.60	10.0	76	7.15	10.0	72 M2	76-117	6	20
2-Chlorotoluene	ND	7.05	10.0	71 M2	6.78	10.0	68 M2	79-121	4	20
4-Chlorotoluene	ND	6.80	10.0	68 M2	6.63	10.0	66 M2	70-133	3	20
1,3,5-Trimethylbenzene	ND	7.06	10.0	71 M2	6.70	10.0	67 M2	79-118	5	20
tert-Butylbenzene	ND	7.83	10.0	78	7.26	10.0	73 M2	77-120	8	20
1,2,4-Trimethylbenzene	ND	6.94	10.0	69	6.60	10.0	66 M2	68-127	5	20
sec-Butylbenzene	ND	7.73	10.0	77 M2	7.31	10.0	73 M2	78-123	6	20
1,3-Dichlorobenzene	ND	6.35	10.0	64 M2	6.23	10.0	62 M2	78-127	2	20
4-Isopropyltoluene	ND	7.93	10.0	79	7.41	10.0	74 M2	79-142	7	20
Bromoform	ND	5.55	10.0	56 M2	5.63	10.0	56 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	6.01	10.0	60 M2	6.17	10.0	62 M2	66-133	3	20
1,4-Dichlorobenzene	ND	6.41	10.0	64	6.03	10.0	60	48-139	6	20
1,2-Dichlorobenzene	ND	6.25	10.0	63 M2	6.09	10.0	61 M2	64-109	3	20
n-Butylbenzene	ND	7.90	10.0	79	7.40	10.0	74	69-122	7	20
1,2-Dibromo-3-chloropropane	ND	5.46	10.0	55	5.80	10.0	58	54-160	6	20
1,2,4-Trichlorobenzene	ND	6.28	10.0	63	5.97	10.0	60	39-145	5	20
Hexachlorobutadiene	ND	8.40	10.0	84	7.82	10.0	78	74-113	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

090931

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB91-0200-03300
Lab Code: X2300235-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300416

Analyte Name	Sample Result	AVB91-0200-03300MS XWG0300416-4 Matrix Spike			AVB91-0200-03300DMS XWG0300416-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	5.77	10.0	58	5.80	10.0	58	44-167	1	20
1,2,3-Trichlorobenzene	ND	6.32	10.0	63	6.15	10.0	62	37-158	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300416

	Lab Control Sample XWG0300416-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300416-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	11.3	10.0	113	9.29	10.0	93	1-233	19	20
Chloromethane	8.95	10.0	90	8.34	10.0	83	46-156	7	20
Vinyl Chloride	11.8	10.0	118	10.6	10.0	106	51-158	11	20
Bromomethane	6.85	10.0	69	6.68	10.0	67	37-149	3	20
Chloroethane	11.3	10.0	113	10.0	10.0	100	56-146	12	20
Trichlorofluoromethane	12.9	10.0	129	11.1	10.0	111	69-139	16	20
1,1,2-Trichlorotrifluoroethane	14.2	10.0	142 L1	12.1	10.0	121	83-130	15	20
1,1-Dichloroethene	11.3	10.0	113 L1	10.3	10.0	103	65-112	10	20
Acetone	37.4	40.0	93	36.7	40.0	92	68-128	2	20
Iodomethane	28.5	40.0	71	27.1	40.0	68	68-144	5	20
Carbon Disulfide	50.2	40.0	125	45.6	40.0	114	67-140	9	20
Methylene Chloride	10.5	10.0	105	10.0	10.0	100	70-113	4	20
Methyl tert-Butyl Ether	9.64	10.0	96	9.50	10.0	95	75-115	1	20
trans-1,2-Dichloroethene	10.6	10.0	106	9.84	10.0	98	73-118	8	20
1,1-Dichloroethane	11.1	10.0	111	10.5	10.0	105	77-127	6	20
Vinyl Acetate	46.5	40.0	116	46.5	40.0	116	51-202	0	39
2,2-Dichloropropane	11.8	10.0	118	11.0	10.0	110	75-132	7	20
2-Butanone (MEK)	38.2	40.0	96	37.0	40.0	93	72-122	3	20
cis-1,2-Dichloroethene	10.3	10.0	103	9.92	10.0	99	81-118	4	20
Bromochloromethane	9.39	10.0	94	8.91	10.0	89	82-114	5	20
Chloroform	10.7	10.0	107	10.4	10.0	104	78-119	3	20
1,1,1-Trichloroethane	11.4	10.0	114	10.6	10.0	106	71-125	8	20
Carbon Tetrachloride	12.6	10.0	126	11.5	10.0	115	69-130	10	20
1,1-Dichloropropene	12.3	10.0	123 L1	11.3	10.0	113	77-114	9	20
Benzene	10.7	10.0	107	10.3	10.0	103	81-117	4	20
1,2-Dichloroethane	9.77	10.0	98	9.51	10.0	95	67-122	3	20
Trichloroethene	11.1	10.0	111	10.2	10.0	102	79-114	8	20
1,2-Dichloropropane	9.93	10.0	99	9.92	10.0	99	78-114	0	20
Dibromomethane	9.68	10.0	97	9.51	10.0	95	78-113	2	20
Bromodichloromethane	10.1	10.0	101	9.93	10.0	99	79-122	2	20
cis-1,3-Dichloropropene	10.7	10.0	107	10.5	10.0	105	82-118	2	20
4-Methyl-2-pentanone (MIBK)	36.1	40.0	90	36.0	40.0	90	75-115	0	20
Toluene	11.1	10.0	111	10.9	10.0	109	85-118	2	20
trans-1,3-Dichloropropene	10.4	10.0	104	10.3	10.0	103	79-121	1	20
1,1,2-Trichloroethane	9.66	10.0	97	9.55	10.0	96	79-116	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300235
Date Extracted: 03/28/2003
Date Analyzed: 03/28/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300416

	Lab Control Sample XWG0300416-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300416-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	11.4	10.0	114	10.8	10.0	108	76-127	6	20
2-Hexanone	37.8	40.0	94	38.1	40.0	95	65-120	1	20
1,3-Dichloropropane	9.93	10.0	99	9.99	10.0	100	81-116	1	20
Dibromochloromethane	9.63	10.0	96	9.59	10.0	96	77-119	0	20
1,2-Dibromoethane	9.98	10.0	100	10.0	10.0	100	79-116	0	20
Chlorobenzene	10.2	10.0	102	9.99	10.0	100	84-114	2	20
1,1,1,2-Tetrachloroethane	9.67	10.0	97	9.50	10.0	95	78-118	2	20
Ethylbenzene	11.3	10.0	113	10.9	10.0	109	79-124	3	20
m,p-Xylenes	22.0	20.0	110	21.4	20.0	107	75-131	3	20
o-Xylene	10.7	10.0	107	10.3	10.0	103	78-122	4	20
Styrene	10.7	10.0	107	10.7	10.0	107	80-126	0	20
Isopropylbenzene	11.3	10.0	113	10.7	10.0	107	75-126	5	20
Bromobenzene	9.97	10.0	100	9.99	10.0	100	82-122	0	20
1,2,3-Trichloropropane	9.84	10.0	98	9.84	10.0	98	77-118	0	20
n-Propylbenzene	11.9	10.0	119	11.1	10.0	111	75-129	6	20
2-Chlorotoluene	11.2	10.0	112	11.0	10.0	110	77-126	1	20
4-Chlorotoluene	11.1	10.0	111	10.9	10.0	109	82-120	2	20
1,3,5-Trimethylbenzene	11.4	10.0	114	10.9	10.0	109	75-130	5	20
tert-Butylbenzene	12.3	10.0	123	11.6	10.0	116	73-130	7	20
1,2,4-Trimethylbenzene	11.2	10.0	112	10.9	10.0	109	60-137	3	20
sec-Butylbenzene	11.5	10.0	115	10.8	10.0	108	68-131	7	20
1,3-Dichlorobenzene	10.2	10.0	102	9.98	10.0	100	71-137	2	20
4-Isopropyltoluene	12.3	10.0	123	11.7	10.0	117	68-134	5	20
Bromoform	9.16	10.0	92	9.01	10.0	90	70-118	2	20
1,1,2,2-Tetrachloroethane	9.50	10.0	95	9.69	10.0	97	72-122	2	20
1,4-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	82-114	1	20
1,2-Dichlorobenzene	10.1	10.0	101	10.2	10.0	102	81-118	1	20
n-Butylbenzene	11.9	10.0	119	11.2	10.0	112	71-125	7	20
1,2-Dibromo-3-chloropropane	8.72	10.0	87	8.76	10.0	88	55-131	0	20
1,2,4-Trichlorobenzene	10.0	10.0	100	10.1	10.0	101	75-123	0	20
Hexachlorobutadiene	12.3	10.0	123	11.8	10.0	118	63-140	4	20
Naphthalene	9.55	10.0	96	9.62	10.0	96	67-125	1	20
1,2,3-Trichlorobenzene	9.99	10.0	100	9.99	10.0	100	72-124	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

000034

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 31, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 19, 2003. For your reference, these analyses have been assigned our service request number L2300618.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award 000035

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000036

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154

Service Request : L2300618

Sample Name :	Lab Code :
Laboratory Control Sample	L2300326-LCS
Method Blank	L2300326-MB
AVB91-0200-03300	L2300618-001
AVB91-0200-03300	L2300618-001S
AVB91-0200-03300	L2300618-001SD
AVB91-0204-1000	L2300618-002
AVB98-0100-03290	L2300618-003
AVB98-0101-03290	L2300618-004
AVB81-0100-05300	L2300618-005

Approved By: Sue Anderson Date: 3/31/03

000037

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB91-0200-03300
Lab Code : L2300618-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	17	

000038

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB91-0200-03300
Lab Code : L2300618-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	12	

000039

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB91-0204-1000
Lab Code : L2300618-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300618
Project Name :	WVBA	**Date Collected :**	03/18/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB91-0204-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300618-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB98-0100-03290
Lab Code : L2300618-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	15	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB98-0100-03290
Lab Code : L2300618-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB98-0101-03290
Lab Code : L2300618-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	11	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300618
Project Name :	WVBA	**Date Collected :**	03/18/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB98-0101-03290	**Units :**	ug/L (ppb)
Lab Code :	L2300618-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300618
Project Name :	WVBA	**Date Collected :**	03/18/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB81-0100-05300	**Units :**	ug/L (ppb)
Lab Code :	L2300618-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : 03/18/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB81-0100-05300
Lab Code : L2300618-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300618
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300326-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000048

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300618
Date Collected : NA
Date Received : NA
Date Extracted : 03/26/03
Date Analyzed : 03/28/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300326-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	537	107	87-111	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300618
Project Name :	WVBA	**Date Collected :**	03/18/03
Project No. :	0310-3154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	AVB91-0200-03300		**Units :**	ug/L (ppb)
Lab Code :	L2300618-001S	L2300618-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	16.9	514	525	99	102	87-105	2	

Columbia Analytical Services INC.
An Employee - Owned Company

L2300618

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-18-03 PAGE 1 OF 1

PROJECT NAME WVBA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS BEAK / Tennant

PHONE/FAX

SAMPLER'S SIGNATURE ASL

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 — LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Cr	Dissolved Cr			REMARKS
AV891-0202-1000	3/18		~~235-001~~	W		1		X											X	X			
AV891-0200-03300	3/18	1010	(1) ~~002~~	W		10		X											X	X			MS/MSD
AV891-0204-1000	3/18	1110	(2) ~~003~~	W		5		X											X	X			
AV898-0100-03290	3/18	1330	(3) ~~004~~	W		5		X											X	X			
~~AV898-0101~~ ASL																							
AV898-0101-03290	3/18	1330	(4) ~~005~~	W		5		X											X	X			
AV881-0100-05300	3/18	1700	(5) ~~006~~	W		5		X											X	X			

SPECIAL INSTRUCTIONS/COMMENTS:

Samples for dissolved Cr require lab Filtering

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# ____

Bill To ____

SAMPLE RECEIPT:

Shipping VIA: Fed Ex

Shipping #: ____

Condition: ____

Lab No: X23-00235

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
ASL	BEAK	3-19-03 8:45	Leslie May	CAS	3/19/03 0845
Leslie May	CAS	3-19-03 1600	Fedex		
Fedex				CAS	3/20/03 0845

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0618 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 = {2 - 500ml PI(NP) AB, 2 - 500ml PI(HNO3) CO}

-2 → -5 = {1 - 500ml PI(NP) A, 1 - 500ml PI(HNO3) B}

Comments ____

MS/MSD ON -1.

Filter & preserve diss metals bottle in lab

Initials, Date, Time LK 3/20/03 1030 3/20/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000052

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-18-03 PAGE 1 OF 1

PROJECT NAME WVBA # 0310-3154
PROJECT MANAGER Gordon
COMPANY/ADDRESS BEAK / Tetra Tech
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Cr	Dissolved Cr			REMARKS
AVB91-0202-1000	3/18		235-001	W		1		X															
AVB91-0200-03300	3/18	1010	002	W		10		X											X	X			145/145D
AVB91-0204-1000	3/18	1110	003	W		5		X											X	X			
AVB98-0100-03290	3/18	1330	004	W		5		X											X	X			
~~AVB98-0102~~ AJL																							
AVB98-0101-03290	3/18	1330	005	W		5		X											X	X			
AVB81-0100-05300	3/18	1700	006	W		5		X											X	X			

SPECIAL INSTRUCTIONS/COMMENTS:
Samples for dissolved Cr require lab Filtering

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00235

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BEAK	3-19-03 8:45	Leslie May	CAS	3/19/03 0845
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
(STANDARD)
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0235

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BEVK Project Name: WUBA

Sample(s) Received on: 3/7/03 date 0845 time
VOA's ☐ Glass Bottles ☐ Plastic Bottles ☐ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☐

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☐
3. Are the signature and date correct?	Yes ☐	No ☐
4. Did all containers arrive in good condition?	Yes ☐	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☐	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☐	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☐	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 6.5°C on ice		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

r:\common\forms\samprev.doc
Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 19, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300620). For your reference, the 8260 analyses have been assigned our service request number X2300237.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300237
Project:	WVB / #03103154	**Date Received:**	3/19/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300422-1) recovery of 1,1-Dichloroethene and 1,1-Dichloropropene for Method 8260B was above laboratory acceptance limits but within method limits.

The associated blank spike (XWG0300422-1) recovery of 1,1,2-Trichlorotrifluoroethane and Carbon Tetrachloride for Method 8260B was above laboratory and method acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

The associated blank spike (XWG0300422-1) recovery of Iodomethane, Method 8260B, was below laboratory acceptance limits. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Matrix spike (XWG0300420-1 and XWG0300420-2) recovery of Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride, Method 8260B, was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300420-1 and XWG0300420-2) recovery of Dibromomethane and Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300422-4 and XWG0300422-5) recovery of 1,1,2-Trichlorotrifluoroethane, Carbon Tetrachloride and 1,1-Dichloropropene for Method 8260B was high. These compounds were not detected in any of the samples analyzed in this batch

Matrix spike (XWG0300422-4 and XWG0300422-5) recovery of several other analytes for Method 8260B was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300422-4 and XWG0300422-5) recovery of 2-Butanone (MEK), Method 8260B, was low. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300420-3 and XWG0300420-4) RPD for 2-Butanone (MEK) and 1,2-Dibromo-3-chloropropane, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

LCS/DLCS (XWG0300422-1and XWG0300422-2) RPD for several analytes for Method 8260B exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by _____ **Date** 7-17-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300237

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB106-0200-07135	X2300237-001	03/19/2003	03/19/2003
AVB106-0300-07150	X2300237-002	03/19/2003	03/19/2003
AVB106-0100-07095	X2300237-003	03/19/2003	03/19/2003
AVB103-0200-03092	X2300237-004	03/19/2003	03/19/2003
AVB15-0100-02108	X2300237-005	03/19/2003	03/19/2003
AVB15-0104-1000	X2300237-006	03/19/2003	03/19/2003
AVB15-0102-1000	X2300237-007	03/19/2003	03/19/2003
AVB106-0100-07095MS	XWG0300422-4	03/19/2003	03/19/2003
AVB106-0100-07095DMS	XWG0300422-5	03/19/2003	03/19/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-4-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0200-07135
Lab Code: X2300237-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	**5.3**		0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	**2.4**		0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	**4.9**		0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**11**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	**0.79**		0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0200-07135
Lab Code: X2300237-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**16**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	**0.54**		0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	**0.61**		0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	**0.51**		0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0200-07135
Lab Code: X2300237-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	97	84-113	03/29/03	
Toluene-d8	102	68-126	03/29/03	
4-Bromofluorobenzene	90	79-113	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0300-07150
Lab Code: X2300237-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0300-07150
Lab Code: X2300237-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000012

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0300-07150
Lab Code: X2300237-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/29/03	
Toluene-d8	107	68-126	03/29/03	
4-Bromofluorobenzene	95	79-113	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0100-07095
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	**4.8**		1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**27**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	**1.4**		0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0100-07095
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**8.9**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB106-0100-07095
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	03/29/03	
Toluene-d8	112	68-126	03/29/03	
4-Bromofluorobenzene	104	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB103-0200-03092
Lab Code: X2300237-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	**1.2**		1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	**0.89**		0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	**1.0**		1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**2.7**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB103-0200-03092
Lab Code: X2300237-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**0.80**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB103-0200-03092
Lab Code: X2300237-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/29/03	
Toluene-d8	110	68-126	03/29/03	
4-Bromofluorobenzene	104	79-113	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0100-02108
Lab Code: X2300237-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	**1.0**		1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	**7.3**		0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	**3.1**		1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	**73**		0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	**0.64**		0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0100-02108
Lab Code: X2300237-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**2.9**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000021

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0100-02108
Lab Code: X2300237-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/29/03	
Toluene-d8	111	68-126	03/29/03	
4-Bromofluorobenzene	105	79-113	03/29/03	

Comments:

000022

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0104-1000
Lab Code: X2300237-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	**1.3**		1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	**0.69**		0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0104-1000
Lab Code: X2300237-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0104-1000
Lab Code: X2300237-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	03/29/03	
Toluene-d8	110	68-126	03/29/03	
4-Bromofluorobenzene	104	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0102-1000
Lab Code: X2300237-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0102-1000
Lab Code: X2300237-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000027

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: 03/19/2003
Date Received: 03/19/2003

Volatile Organic Compounds

Sample Name: AVB15-0102-1000
Lab Code: X2300237-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	03/29/03	
Toluene-d8	103	68-126	03/29/03	
4-Bromofluorobenzene	96	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300420-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/29/03	
Toluene-d8	105	68-126	03/29/03	
4-Bromofluorobenzene	94	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300422-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000032

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300422-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000033

Client:	BE&K Terranext	**Service Request:**	X2300237
Project:	WVB/#03103154	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	XWG0300422-3	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/29/03	
Toluene-d8	108	68-126	03/29/03	
4-Bromofluorobenzene	102	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB106-0200-07135	X2300237-001	97	102	90
AVB106-0300-07150	X2300237-002	107	107	95
AVB106-0100-07095	X2300237-003	108	112	104
AVB103-0200-03092	X2300237-004	109	110	104
AVB15-0100-02108	X2300237-005	109	111	105
AVB15-0104-1000	X2300237-006	108	110	104
AVB15-0102-1000	X2300237-007	107	103	96
Method Blank	XWG0300420-5	101	105	94
Method Blank	XWG0300422-3	103	108	102
Batch QC	X2300240-003	101	102	93
Batch QCMS	XWG0300420-1	101	109	97
Batch QCDMS	XWG0300420-2	101	99	98
AVB106-0100-07095MS	XWG0300422-4	109	114	108
AVB106-0100-07095DMS	XWG0300422-5	104	108	104
Lab Control Sample	XWG0300420-3	100	103	95
Duplicate Lab Control Sample	XWG0300420-4	101	105	98
Lab Control Sample	XWG0300422-1	107	111	109
Duplicate Lab Control Sample	XWG0300422-2	105	104	105

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	Batch QCMS XWG0300420-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300420-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	3.56	10.0	36 M2	3.30	10.0	33 M2	78-207	8	20
Chloromethane	ND	5.95	10.0	60 M2	5.19	10.0	52 M2	70-157	14	20
Vinyl Chloride	ND	7.09	10.0	71 M2	6.37	10.0	64 M2	79-174	11	20
Bromomethane	ND	6.60	10.0	66	5.98	10.0	60	44-150	10	20
Chloroethane	ND	9.17	10.0	92	8.67	10.0	87	74-150	6	20
Trichlorofluoromethane	ND	8.75	10.0	88	8.23	10.0	82	80-134	6	20
1,1,2-Trichlorotrifluoroethane	ND	10.3	10.0	103	9.94	10.0	99	67-128	4	20
1,1-Dichloroethene	ND	9.09	10.0	91	8.95	10.0	90	71-142	2	20
Acetone	ND	40.6	40.0	102	36.2	40.0	90	1-155	12	20
Iodomethane	ND	33.1	40.0	83	31.4	40.0	78	47-120	5	20
Carbon Disulfide	ND	39.8	40.0	100	38.6	40.0	97	77-126	3	20
Methylene Chloride	ND	9.55	10.0	96	9.55	10.0	96	83-106	0	20
Methyl tert-Butyl Ether	ND	8.56	10.0	86	8.85	10.0	89	70-118	3	20
trans-1,2-Dichloroethene	ND	10.2	10.0	102	10.3	10.0	103	86-115	0	20
1,1-Dichloroethane	ND	10.8	10.0	108	10.7	10.0	107	77-127	1	20
Vinyl Acetate	ND	41.8	40.0	105	44.0	40.0	110	8-187	5	20
2,2-Dichloropropane	ND	10.3	10.0	103	10.2	10.0	102	25-154	1	20
2-Butanone (MEK)	ND	37.6	40.0	94	38.0	40.0	95	90-112	1	20
cis-1,2-Dichloroethene	ND	9.80	10.0	98	9.67	10.0	97	69-118	1	20
Bromochloromethane	ND	10.8	10.0	108	10.6	10.0	106	47-136	1	20
Chloroform	ND	10.6	10.0	106	10.4	10.0	104	48-143	2	20
1,1,1-Trichloroethane	ND	8.91	10.0	89	8.84	10.0	88	84-122	1	20
Carbon Tetrachloride	ND	9.82	10.0	98	9.62	10.0	96	79-120	2	20
1,1-Dichloropropene	ND	9.75	10.0	98	9.77	10.0	98	85-117	0	20
Benzene	ND	9.84	10.0	98	9.46	10.0	95	88-114	4	20
1,2-Dichloroethane	ND	10.3	10.0	103	10.3	10.0	103	75-112	0	20
Trichloroethene	ND	10.3	10.0	103	10.2	10.0	102	76-115	2	20
1,2-Dichloropropane	ND	10.4	10.0	104	10.4	10.0	104	85-107	0	20
Dibromomethane	ND	10.6	10.0	106	10.7	10.0	107 M1	82-106	1	20
Bromodichloromethane	ND	9.63	10.0	96	9.30	10.0	93	83-107	3	20
cis-1,3-Dichloropropene	ND	10.9	10.0	109	10.6	10.0	106	70-114	3	20
4-Methyl-2-pentanone (MIBK)	ND	41.3	40.0	103	34.8	40.0	87	54-129	17	20
Toluene	ND	10.6	10.0	106	9.81	10.0	98	86-114	8	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	Batch QCMS XWG0300420-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300420-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	10.4	10.0	104	10.1	10.0	101	73-112	3	20
1,1,2-Trichloroethane	ND	10.1	10.0	101	9.23	10.0	92	79-112	9	20
Tetrachloroethene	ND	10.4	10.0	104	9.49	10.0	95	78-130	10	20
2-Hexanone	ND	37.7	40.0	94	36.5	40.0	91	77-112	3	20
1,3-Dichloropropane	ND	10.1	10.0	101	9.43	10.0	94	45-133	7	20
Dibromochloromethane	ND	10.3	10.0	103	9.49	10.0	95	74-108	8	20
1,2-Dibromoethane	ND	9.58	10.0	96	9.43	10.0	94	73-113	2	20
Chlorobenzene	ND	10.2	10.0	102	9.97	10.0	100	84-111	2	20
1,1,1,2-Tetrachloroethane	ND	9.84	10.0	98	9.75	10.0	98	84-119	1	20
Ethylbenzene	ND	10.8	10.0	108	10.3	10.0	103	47-136	4	20
m,p-Xylenes	ND	21.6	20.0	108	20.8	20.0	104	84-120	4	20
o-Xylene	ND	10.3	10.0	103	9.87	10.0	99	47-143	4	20
Styrene	ND	10.5	10.0	105	10.6	10.0	106	72-121	0	20
Isopropylbenzene	ND	10.3	10.0	103	10.1	10.0	101	63-108	1	20
Bromobenzene	ND	10.7	10.0	107	11.1	10.0	111	80-113	4	20
1,2,3-Trichloropropane	ND	9.50	10.0	95	10.6	10.0	106	78-119	11	20
n-Propylbenzene	ND	10.7	10.0	107	10.6	10.0	106	76-117	1	20
2-Chlorotoluene	ND	10.2	10.0	102	10.4	10.0	104	79-121	2	20
4-Chlorotoluene	ND	10.6	10.0	106	10.7	10.0	107	70-133	0	20
1,3,5-Trimethylbenzene	ND	10.4	10.0	104	10.7	10.0	107	79-118	3	20
tert-Butylbenzene	ND	10.4	10.0	104	10.5	10.0	105	77-120	1	20
1,2,4-Trimethylbenzene	ND	10.4	10.0	104	10.7	10.0	107	68-127	3	20
sec-Butylbenzene	ND	9.85	10.0	99	10.0	10.0	100	78-123	2	20
1,3-Dichlorobenzene	ND	10.2	10.0	102	10.5	10.0	105	78-127	3	20
4-Isopropyltoluene	ND	10.4	10.0	104	10.9	10.0	109	79-142	4	20
Bromoform	ND	9.67	10.0	97	9.63	10.0	96	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	10.6	10.0	106	10.8	10.0	108	66-133	2	20
1,4-Dichlorobenzene	ND	9.83	10.0	98	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	9.51	10.0	95	9.79	10.0	98	64-109	3	20
n-Butylbenzene	ND	10.4	10.0	104	10.4	10.0	104	69-122	0	20
1,2-Dibromo-3-chloropropane	ND	10.9	10.0	109	12.1	10.0	121	54-160	10	20
1,2,4-Trichlorobenzene	ND	9.96	10.0	100	10.0	10.0	100	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.6	10.0	116 M1	74-113	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300240-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300420

Analyte Name	Sample Result	Batch QCMS XWG0300420-1 Matrix Spike			Batch QCDMS XWG0300420-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.51	10.0	95	10.3	10.0	103	44-167	8	20
1,2,3-Trichlorobenzene	ND	11.1	10.0	111	11.5	10.0	115	37-158	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB106-0100-07095
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300422

Analyte Name	Sample Result	AVB106-0100-07095MS XWG0300422-4 Matrix Spike Result	Expected	%Rec	AVB106-0100-07095DMS XWG0300422-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	31.0	10.0	310 M1	28.0	10.0	280 M1	78-207	10	20
Chloromethane	ND	15.4	10.0	154	13.5	10.0	135	70-157	14	20
Vinyl Chloride	ND	18.6	10.0	186 M1	16.9	10.0	169	79-174	10	20
Bromomethane	ND	9.12	10.0	91	8.50	10.0	85	44-150	7	20
Chloroethane	ND	14.6	10.0	146	14.9	10.0	149	74-150	3	20
Trichlorofluoromethane	ND	17.0	10.0	170 M1	15.5	10.0	155 M1	80-134	9	20
1,1,2-Trichlorotrifluoroethane	ND	15.5	10.0	155 N1	14.3	10.0	143 M1	67-128	8	20
1,1-Dichloroethene	ND	13.5	10.0	135	12.5	10.0	125	71-142	8	20
Acetone	ND	37.4	40.0	94	35.3	40.0	88	1-155	6	20
Iodomethane	ND	33.3	40.0	83	29.0	40.0	72	47-120	14	20
Carbon Disulfide	ND	56.3	40.0	141 M1	50.9	40.0	127 M1	77-126	10	20
Methylene Chloride	ND	10.7	10.0	107 M1	9.94	10.0	99	83-106	7	20
Methyl tert-Butyl Ether	ND	9.80	10.0	98	9.50	10.0	95	70-118	3	20
trans-1,2-Dichloroethene	ND	11.9	10.0	119 M1	11.0	10.0	110	86-115	8	20
1,1-Dichloroethane	ND	12.4	10.0	124	11.3	10.0	113	77-127	9	20
Vinyl Acetate	ND	50.4	40.0	126	46.3	40.0	116	8-187	9	20
2,2-Dichloropropane	ND	13.6	10.0	136	12.1	10.0	121	25-154	12	20
2-Butanone (MEK)	ND	37.8	40.0	95	34.2	40.0	86 M2	90-112	10	20
cis-1,2-Dichloroethene	ND	11.1	10.0	111	10.3	10.0	103	69-118	7	20
Bromochloromethane	ND	8.95	10.0	90	8.41	10.0	84	47-136	6	20
Chloroform	4.8	16.3	10.0	115	15.1	10.0	103	48-143	8	20
1,1,1-Trichloroethane	ND	13.6	10.0	136 M1	12.8	10.0	128 M1	84-122	7	20
Carbon Tetrachloride	ND	14.6	10.0	146 N1	13.5	10.0	135 M1	79-120	8	20
1,1-Dichloropropene	ND	13.3	10.0	133 N1	12.6	10.0	126 M1	85-117	6	20
Benzene	ND	11.8	10.0	118 M1	11.2	10.0	112	88-114	5	20
1,2-Dichloroethane	ND	10.3	10.0	103	9.88	10.0	99	75-112	4	20
Trichloroethene	27	40.2	10.0	127 M1	37.6	10.0	101	76-115	7	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	10.3	10.0	103	85-107	6	20
Dibromomethane	ND	9.74	10.0	97	9.57	10.0	96	82-106	2	20
Bromodichloromethane	1.4	12.2	10.0	108 M1	11.5	10.0	101	83-107	6	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	9.74	10.0	97	70-114	5	20
4-Methyl-2-pentanone (MIBK)	ND	33.1	40.0	83	32.4	40.0	81	54-129	2	20
Toluene	ND	11.8	10.0	118 M1	11.1	10.0	111	86-114	6	20
trans-1,3-Dichloropropene	ND	10.1	10.0	101	9.73	10.0	97	73-112	4	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB106-0100-07095
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300422

Analyte Name	Sample Result	AVB106-0100-07095MS XWG0300422-4 Matrix Spike Result	Expected	%Rec	AVB106-0100-07095DMS XWG0300422-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	9.98	10.0	100	9.44	10.0	94	79-112	6	20
Tetrachloroethene	8.9	21.3	10.0	125	20.2	10.0	113	78-130	5	20
2-Hexanone	ND	37.5	40.0	94	36.6	40.0	91	77-112	3	20
1,3-Dichloropropane	ND	10.2	10.0	102	9.65	10.0	97	45-133	5	20
Dibromochloromethane	ND	9.73	10.0	97	9.32	10.0	93	74-108	4	20
1,2-Dibromoethane	ND	9.64	10.0	96	9.32	10.0	93	73-113	3	20
Chlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	9.98	10.0	100	9.76	10.0	98	84-119	2	20
Ethylbenzene	ND	12.0	10.0	120	11.5	10.0	115	47-136	5	20
m,p-Xylenes	ND	23.1	20.0	116	22.1	20.0	111	84-120	4	20
o-Xylene	ND	11.0	10.0	110	10.6	10.0	106	47-143	4	20
Styrene	ND	10.7	10.0	107	10.2	10.0	102	72-121	5	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.9	10.0	119 M1	63-108	5	20
Bromobenzene	ND	10.1	10.0	101	9.58	10.0	96	80-113	5	20
1,2,3-Trichloropropane	ND	9.86	10.0	99	9.49	10.0	95	78-119	4	20
n-Propylbenzene	ND	12.8	10.0	128 M1	12.2	10.0	122 M1	76-117	5	20
2-Chlorotoluene	ND	12.1	10.0	121	11.3	10.0	113	79-121	7	20
4-Chlorotoluene	ND	11.8	10.0	118	11.1	10.0	111	70-133	6	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.5	10.0	115	79-118	5	20
tert-Butylbenzene	ND	13.0	10.0	130 M1	12.4	10.0	124 M1	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.8	10.0	118	11.2	10.0	112	68-127	5	20
sec-Butylbenzene	ND	13.1	10.0	131 M1	12.5	10.0	125 M1	78-123	5	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.3	10.0	103	78-127	4	20
4-Isopropyltoluene	ND	13.2	10.0	132	12.5	10.0	125	79-142	6	20
Bromoform	ND	8.85	10.0	89	8.87	10.0	89	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	9.83	10.0	98	9.68	10.0	97	66-133	2	20
1,4-Dichlorobenzene	ND	10.4	10.0	104	10.0	10.0	100	48-139	3	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	9.97	10.0	100	64-109	3	20
n-Butylbenzene	ND	13.4	10.0	134 M1	12.8	10.0	128 M1	69-122	5	20
1,2-Dibromo-3-chloropropane	ND	9.11	10.0	91	8.76	10.0	88	54-160	4	20
1,2,4-Trichlorobenzene	ND	10.0	10.0	100	9.73	10.0	97	39-145	3	20
Hexachlorobutadiene	ND	13.1	10.0	131 M1	12.8	10.0	128 M1	74-113	2	20
Naphthalene	ND	9.23	10.0	92	8.91	10.0	89	44-167	4	20
1,2,3-Trichlorobenzene	ND	9.74	10.0	97	9.38	10.0	94	37-158	4	20

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Fill Page

(X2300237)

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300420

	Lab Control Sample XWG0300420-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300420-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.61	10.0	36	3.37	10.0	34	1-233	7	20
Chloromethane	6.22	10.0	62	6.32	10.0	63	46-156	2	20
Vinyl Chloride	6.98	10.0	70	7.13	10.0	71	51-158	2	20
Bromomethane	6.53	10.0	65	7.01	10.0	70	37-149	7	20
Chloroethane	8.97	10.0	90	9.32	10.0	93	56-146	4	20
Trichlorofluoromethane	8.72	10.0	87	8.55	10.0	86	69-139	2	20
1,1,2-Trichlorotrifluoroethane	10.5	10.0	105	10.4	10.0	104	83-130	1	20
1,1-Dichloroethene	9.23	10.0	92	9.22	10.0	92	65-112	0	20
Acetone	42.0	40.0	105	42.5	40.0	106	68-128	1	20
Iodomethane	32.4	40.0	81	34.6	40.0	87	68-144	6	20
Carbon Disulfide	40.2	40.0	101	40.5	40.0	101	67-140	1	20
Methylene Chloride	10.2	10.0	102	10.5	10.0	105	70-113	3	20
Methyl tert-Butyl Ether	9.03	10.0	90	9.31	10.0	93	75-115	3	20
trans-1,2-Dichloroethene	10.1	10.0	101	10.1	10.0	101	73-118	1	20
1,1-Dichloroethane	10.6	10.0	106	10.7	10.0	107	77-127	1	20
Vinyl Acetate	43.7	40.0	109	42.6	40.0	107	51-202	3	39
2,2-Dichloropropane	10.0	10.0	100	9.90	10.0	99	75-132	1	20
2-Butanone (MEK)	35.5	40.0	89	47.3	40.0	118	72-122	28 R7	20
cis-1,2-Dichloroethene	9.71	10.0	97	9.69	10.0	97	81-118	0	20
Bromochloromethane	10.8	10.0	108	11.4	10.0	114	82-114	6	20
Chloroform	10.6	10.0	106	10.5	10.0	105	78-119	0	20
1,1,1-Trichloroethane	8.96	10.0	90	8.72	10.0	87	71-125	3	20
Carbon Tetrachloride	9.37	10.0	94	9.35	10.0	94	69-130	0	20
1,1-Dichloropropene	9.91	10.0	99	9.77	10.0	98	77-114	1	20
Benzene	9.59	10.0	96	9.53	10.0	95	81-117	1	20
1,2-Dichloroethane	10.2	10.0	102	10.4	10.0	104	67-122	3	20
Trichloroethene	10.0	10.0	100	10.3	10.0	103	79-114	3	20
1,2-Dichloropropane	10.4	10.0	104	10.4	10.0	104	78-114	0	20
Dibromomethane	10.9	10.0	109	10.9	10.0	109	78-113	0	20
Bromodichloromethane	9.67	10.0	97	9.77	10.0	98	79-122	1	20
cis-1,3-Dichloropropene	11.2	10.0	112	11.5	10.0	115	82-118	3	20
4-Methyl-2-pentanone (MIBK)	43.9	40.0	110	41.0	40.0	102	75-115	7	20
Toluene	10.5	10.0	105	10.4	10.0	104	85-118	1	20
trans-1,3-Dichloropropene	11.3	10.0	113	10.9	10.0	109	79-121	3	20
1,1,2-Trichloroethane	10.1	10.0	101	10.1	10.0	101	79-116	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300420

	Lab Control Sample XWG0300420-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300420-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.3	10.0	103	10.3	10.0	103	76-127	0	20
2-Hexanone	40.8	40.0	102	41.1	40.0	103	65-120	1	20
1,3-Dichloropropane	10.2	10.0	102	10.4	10.0	104	81-116	2	20
Dibromochloromethane	10.2	10.0	102	10.7	10.0	107	77-119	5	20
1,2-Dibromoethane	10.4	10.0	104	10.7	10.0	107	79-116	3	20
Chlorobenzene	10.1	10.0	101	9.90	10.0	99	84-114	2	20
1,1,1,2-Tetrachloroethane	9.60	10.0	96	9.68	10.0	97	78-118	1	20
Ethylbenzene	10.4	10.0	104	10.3	10.0	103	79-124	0	20
m,p-Xylenes	20.9	20.0	105	21.0	20.0	105	75-131	1	20
o-Xylene	10.3	10.0	103	10.2	10.0	102	78-122	0	20
Styrene	10.6	10.0	106	10.5	10.0	105	80-126	1	20
Isopropylbenzene	10.2	10.0	102	10.2	10.0	102	75-126	0	20
Bromobenzene	11.1	10.0	111	11.3	10.0	113	82-122	2	20
1,2,3-Trichloropropane	10.4	10.0	104	11.0	10.0	110	77-118	6	20
n-Propylbenzene	10.6	10.0	106	10.5	10.0	105	75-129	1	20
2-Chlorotoluene	10.1	10.0	101	10.4	10.0	104	77-126	3	20
4-Chlorotoluene	10.5	10.0	105	10.7	10.0	107	82-120	2	20
1,3,5-Trimethylbenzene	10.2	10.0	102	10.5	10.0	105	75-130	3	20
tert-Butylbenzene	10.4	10.0	104	10.6	10.0	106	73-130	1	20
1,2,4-Trimethylbenzene	10.3	10.0	103	10.7	10.0	107	60-137	3	20
sec-Butylbenzene	9.65	10.0	97	9.92	10.0	99	68-131	3	20
1,3-Dichlorobenzene	10.2	10.0	102	10.7	10.0	107	71-137	5	20
4-Isopropyltoluene	10.1	10.0	101	10.6	10.0	106	68-134	4	20
Bromoform	10.1	10.0	101	10.1	10.0	101	70-118	0	20
1,1,2,2-Tetrachloroethane	11.3	10.0	113	11.1	10.0	111	72-122	1	20
1,4-Dichlorobenzene	9.94	10.0	99	9.96	10.0	100	82-114	0	20
1,2-Dichlorobenzene	9.74	10.0	97	10.0	10.0	100	81-118	3	20
n-Butylbenzene	10.0	10.0	100	10.0	10.0	100	71-125	0	20
1,2-Dibromo-3-chloropropane	9.23	10.0	92	12.0	10.0	120	55-131	26 R7	20
1,2,4-Trichlorobenzene	9.65	10.0	97	9.92	10.0	99	75-123	3	20
Hexachlorobutadiene	10.3	10.0	103	10.6	10.0	106	63-140	2	20
Naphthalene	9.64	10.0	96	10.2	10.0	102	67-125	5	20
1,2,3-Trichlorobenzene	10.9	10.0	109	11.1	10.0	111	72-124	2	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300422

	Lab Control Sample XWG0300422-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300422-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	10.4	10.0	104	8.28	10.0	83	1-233	23 R7	20
Chloromethane	9.69	10.0	97	8.74	10.0	87	46-156	10	20
Vinyl Chloride	12.6	10.0	126	10.3	10.0	103	51-158	20	20
Bromomethane	7.58	10.0	76	6.88	10.0	69	37-149	10	20
Chloroethane	12.4	10.0	124	10.5	10.0	105	56-146	16	20
Trichlorofluoromethane	13.1	10.0	131	10.8	10.0	108	69-139	19	20
1,1,2-Trichlorotrifluoroethane	13.9	10.0	139 L1	10.8	10.0	108	83-130	25 R7	20
1,1-Dichloroethene	11.3	10.0	113 L1	9.33	10.0	93	65-112	19	20
Acetone	36.1	40.0	90	40.4	40.0	101	68-128	11	20
Iodomethane	26.7	40.0	67 L2	29.1	40.0	73	68-144	9	20
Carbon Disulfide	51.7	40.0	129	43.4	40.0	109	67-140	17	20
Methylene Chloride	10.5	10.0	105	10.4	10.0	104	70-113	1	20
Methyl tert-Butyl Ether	8.88	10.0	89	9.55	10.0	96	75-115	7	20
trans-1,2-Dichloroethene	10.7	10.0	107	9.41	10.0	94	73-118	13	20
1,1-Dichloroethane	12.0	10.0	120	11.0	10.0	110	77-127	9	20
Vinyl Acetate	47.3	40.0	118	52.3	40.0	131	51-202	10	39
2,2-Dichloropropane	12.3	10.0	123	10.3	10.0	103	75-132	18	20
2-Butanone (MEK)	35.0	40.0	88	39.1	40.0	98	72-122	11	20
cis-1,2-Dichloroethene	10.4	10.0	104	10.1	10.0	101	81-118	4	20
Bromochloromethane	8.82	10.0	88	9.63	10.0	96	82-114	9	20
Chloroform	11.3	10.0	113	10.8	10.0	108	78-119	5	20
1,1,1-Trichloroethane	12.0	10.0	120	9.80	10.0	98	71-125	20	20
Carbon Tetrachloride	13.2	10.0	132 L1	10.4	10.0	104	69-130	24 R7	20
1,1-Dichloropropene	12.4	10.0	124 L1	9.85	10.0	99	77-114	23 R7	20
Benzene	11.2	10.0	112	10.1	10.0	101	81-117	11	20
1,2-Dichloroethane	10.4	10.0	104	10.5	10.0	105	67-122	1	20
Trichloroethene	11.0	10.0	110	9.61	10.0	96	79-114	14	20
1,2-Dichloropropane	10.4	10.0	104	10.2	10.0	102	78-114	2	20
Dibromomethane	9.67	10.0	97	10.1	10.0	101	78-113	4	20
Bromodichloromethane	10.5	10.0	105	10.5	10.0	105	79-122	1	20
cis-1,3-Dichloropropene	10.7	10.0	107	10.6	10.0	106	82-118	1	20
4-Methyl-2-pentanone (MIBK)	31.4	40.0	78	34.0	40.0	85	75-115	8	20
Toluene	11.4	10.0	114	10.1	10.0	101	85-118	12	20
trans-1,3-Dichloropropene	10.2	10.0	102	10.6	10.0	106	79-121	3	20
1,1,2-Trichloroethane	9.34	10.0	93	9.79	10.0	98	79-116	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300237
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300422

	Lab Control Sample XWG0300422-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300422-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.9	10.0	109	8.89	10.0	89	76-127	20	20
2-Hexanone	35.5	40.0	89	38.6	40.0	97	65-120	9	20
1,3-Dichloropropane	10.0	10.0	100	10.4	10.0	104	81-116	4	20
Dibromochloromethane	9.36	10.0	94	9.55	10.0	96	77-119	2	20
1,2-Dibromoethane	9.38	10.0	94	9.91	10.0	99	79-116	5	20
Chlorobenzene	10.3	10.0	103	9.68	10.0	97	84-114	6	20
1,1,1,2-Tetrachloroethane	9.78	10.0	98	9.56	10.0	96	78-118	2	20
Ethylbenzene	11.8	10.0	118	10.2	10.0	102	79-124	15	20
m,p-Xylenes	22.8	20.0	114	19.8	20.0	99	75-131	14	20
o-Xylene	10.8	10.0	108	9.80	10.0	98	78-122	10	20
Styrene	10.9	10.0	109	10.3	10.0	103	80-126	6	20
Isopropylbenzene	11.5	10.0	115	9.70	10.0	97	75-126	17	20
Bromobenzene	9.90	10.0	99	9.72	10.0	97	82-122	2	20
1,2,3-Trichloropropane	10.0	10.0	100	10.2	10.0	102	77-118	2	20
n-Propylbenzene	12.4	10.0	124	10.4	10.0	104	75-129	18	20
2-Chlorotoluene	12.0	10.0	120	10.8	10.0	108	77-126	11	20
4-Chlorotoluene	11.6	10.0	116	10.6	10.0	106	82-120	9	20
1,3,5-Trimethylbenzene	11.7	10.0	117	10.3	10.0	103	75-130	13	20
tert-Butylbenzene	12.3	10.0	123	10.3	10.0	103	73-130	17	20
1,2,4-Trimethylbenzene	11.7	10.0	117	10.5	10.0	105	60-137	11	20
sec-Butylbenzene	11.7	10.0	117	9.88	10.0	99	68-131	17	20
1,3-Dichlorobenzene	10.4	10.0	104	9.88	10.0	99	71-137	5	20
4-Isopropyltoluene	12.5	10.0	125	10.7	10.0	107	68-134	16	20
Bromoform	8.44	10.0	84	8.87	10.0	89	70-118	5	20
1,1,2,2-Tetrachloroethane	9.46	10.0	95	9.86	10.0	99	72-122	4	20
1,4-Dichlorobenzene	10.2	10.0	102	9.86	10.0	99	82-114	4	20
1,2-Dichlorobenzene	10.1	10.0	101	9.94	10.0	99	81-118	2	20
n-Butylbenzene	12.1	10.0	121	10.5	10.0	105	71-125	14	20
1,2-Dibromo-3-chloropropane	8.32	10.0	83	9.23	10.0	92	55-131	10	20
1,2,4-Trichlorobenzene	9.35	10.0	94	9.59	10.0	96	75-123	3	20
Hexachlorobutadiene	11.7	10.0	117	10.8	10.0	108	63-140	9	20
Naphthalene	8.37	10.0	84	9.31	10.0	93	67-125	11	20
1,2,3-Trichlorobenzene	9.29	10.0	93	10.0	10.0	100	72-124	8	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 31, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 19, 2003. For your reference, these analyses have been assigned our service request number L2300620.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

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COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300620

Sample Name :	Lab Code :
Laboratory Control Sample	L2300326-LCS
Method Blank	L2300326-MB
AVB106-0200-07135	L2300620-001
AVB106-0200-07135	L2300620-001S
AVB106-0200-07135	L2300620-001SD
AVB106-0300-07150	L2300620-002
AVB106-0100-07095	L2300620-003
AVB103-0200-03092	L2300620-004
AVB15-0100-02108	L2300620-005
AVB15-0104-1000	L2300620-006

Approved By: _____ Date: 3/31/03

000048

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300620
Date Collected : 03/19/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB106-0200-07135
Lab Code : L2300620-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	16	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB106-0200-07135	**Units :**	ug/L (ppb)
Lab Code :	L2300620-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300620
Date Collected : 03/19/03
Date Received : 03/19/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB106-0300-07150
Lab Code : L2300620-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB106-0300-07150	**Units :**	ug/L (ppb)
Lab Code :	L2300620-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB106-0100-07095	**Units :**	ug/L (ppb)
Lab Code :	L2300620-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB106-0100-07095	**Units :**	ug/L (ppb)
Lab Code :	L2300620-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB103-0200-03092	**Units :**	ug/L (ppb)
Lab Code :	L2300620-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000055

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB103-0200-03092	**Units :**	ug/L (ppb)
Lab Code :	L2300620-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000056

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB15-0100-02108	**Units :**	ug/L (ppb)
Lab Code :	L2300620-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB15-0100-02108	**Units :**	ug/L (ppb)
Lab Code :	L2300620-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000058

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB15-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300620-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000059

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB15-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300620-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000060

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300326-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000061

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Laboratory Control Sample Summary
Total Metals

Sample Name :	Laboratory Control Sample	**Units :**	ug/L (ppb)
Lab Code :	L2300326-LCS	**Basis :**	NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	532	106	87-111	

000062

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300620
Project Name :	WVB	**Date Collected :**	03/19/03
Project No. :	03103154	**Date Received :**	03/19/03
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	AVB106-0200-07135		**Units :**	ug/L (ppb)
Lab Code :	L2300620-001S	L2300620-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	16.2	526	540	102	105	87-105	3	

Columbia Analytical Services INC.
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L2300620

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.19.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beale

PHONE/FAX

SAMPLER'S SIGNATURE KJK

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 — LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TPHC	DISSC			REMARKS
AVB106-0200-07135	3.19	7:50	0231-001	AQ	HCl pH<3	5		3											1	1			
AVB106-0300-07150	3.19	8:40	002	AQ	"	5		3											1	1			
AVB106-0100-07015	"	9:45	003	AQ	"	5		3											2	1			
AVB103-0200-03012	"	11:00	004	AQ	"	5		3											1	1			
AVB5-0100-02108	"	11:40	005	AQ	"	5		3											1	1			
AVB15-0104-1000	"	12:00	006	AQ	"	5		3											1	1			
~~AVB15-0102-1000~~	"	—	007	AQ	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

13000

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X2300237

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
KJK	Beale	3.19 12:45	Mary Dutton	CAS	3/19/03 1245
Leslie May	CAS	3.19.03 1600	Fedex		
Fedex				CAS	3/20/03 0845

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0620 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL ____

Golden State Overnight ____ Fed X ✓ 7902 3661 9759 UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-500 ml Pl (NP)A
1-500 ml Pl (HNO3) B

Comments Filter & preserve bottle in lab

Initials, Date, Time LK ~~3/6~~ 3/20/03 1105 SW 3/20/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000065

Columbia Analytical Services INC.
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.19.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103152

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Bemc

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOC	DISS			REMARKS
AVB106-0200-07135	3.19	7.50	0237-001	AQ	HCl #1203	5		3											1	1			
AVB106-0300-07150	3.19	8.40	002	AQ	"	5		3											1	1			
AVB106-0100-07095	"	9.45	003	AQ	"	5		3											2	1			
AVB103-0200-03012	"	11.00	004	AQ	"	5		3											1	1			
AVB5-0100-02108	"	11.40	005	AQ	"	5		3											1	1			
AVB15-0104-1000	"	12.00	006	AQ	"	5		3											1	1			
AVB15-0102-1000	"	—	007	AQ	HCl	1		1															

ANALYSIS REQUESTED

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report

_X_ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300237

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Bemc	3.19 12:45	Tracy Dutton	CAS	3/19/03 1245
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0237

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE & K Project Name: Tenant

Sample(s) Received on: 3-19-03 date 1245 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☐
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 6.2°C on ice		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

000067

r:\common\forms\samprev.doc
Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #0310-3154

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 20, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300635). For your reference, the 8260 analyses have been assigned our service request number X2300246.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300246
Project:	WVBA / #0310-3154	**Date Received:**	3/20/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300422-1, XWG0300422-2, XWG0300425-1, and XWG0300425-2) recovery of 1,1-Dichloroethene and 1,1-Dichloropropene for Method 8260B was above laboratory acceptance limits but within method limits.

The associated blank spike (XWG0300422-1 and XWG0300425-1) recovery of 1,1,2-Trichlorotrifluoroethane and Carbon Tetrachloride for Method 8260B was above laboratory acceptance limits. The associated blank spike (XWG0300425-2) recovery of 1,1,2-Trichlorotrifluoroethane for Method 8260B was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

The associated blank spike (XWG0300422-1) recovery of Iodomethane, Method 8260B, was below laboratory acceptance limits. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

Surrogate recovery of Dibromofluoromethne, Method 8260B, was above laboratory acceptance limits for sample AVB82-0100-05320 (X2300246-004), but within method acceptance limits.

Matrix spike (XWG0300422-4, XWG0300422-5, XWG0300425-5, and XWG0300425-5) recovery of 1,1,2-Trichlorotrifluoroethane, Carbon Tetrachloride and 1,1-Dichloropropene for Method 8260B was high. These compounds were not detected in any of the samples analyzed in this batch

Matrix spike (XWG0300422-4, XWG0300422-5, XWG0300425-4, and XWG0300425-5) recovery of other several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300422-5) recovery of 2-Butanone (MEK) Method 8260B was low. The method control sample recovery was acceptable.

LCS/DLCS (XWG0300422-1 and XWG0300422-2) RPD for several analytes for Method 8260B exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by_____ **Date**_____

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#0310-3154

Service Request: X2300246

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB60-0102-1000	X2300246-001	03/20/2003	03/20/2003
AVB60-0100-14450	X2300246-002	03/20/2003	03/20/2003
AVB60-0104-1000	X2300246-003	03/20/2003	03/20/2003
AVB82-0100-05320	X2300246-004	03/20/2003	03/20/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 4-4-03
Title: Lab Manager

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0102-1000
Lab Code: X2300246-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0102-1000
Lab Code: X2300246-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0102-1000
Lab Code: X2300246-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/29/03	
Toluene-d8	111	68-126	03/29/03	
4-Bromofluorobenzene	105	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0100-14450
Lab Code: X2300246-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	L1
Acetone	ND	U	10	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	L2
Carbon Disulfide	ND	U	2.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	3.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	2.0	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	8.0	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
Chloroform	ND	U	1.0	1	03/29/03	03/29/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	L1
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/29/03	03/29/03	
Toluene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000011

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0100-14450
Lab Code: X2300246-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	**1.1**		0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

000012

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0100-14450
Lab Code: X2300246-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	110	84-113	03/29/03	
Toluene-d8	112	68-126	03/29/03	
4-Bromofluorobenzene	106	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0104-1000
Lab Code: X2300246-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0104-1000
Lab Code: X2300246-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB60-0104-1000
Lab Code: X2300246-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/31/03	
Toluene-d8	111	68-126	03/31/03	
4-Bromofluorobenzene	105	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB82-0100-05320
Lab Code: X2300246-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	**8.9**		1.0	1	03/31/03	03/31/03	
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	**0.61**		0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	**2.1**		1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	L1
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	**2.5**		0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB82-0100-05320
Lab Code: X2300246-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	**30**		0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	1.0	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	0.50	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	1.0	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	5.0	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene							

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB82-0100-05320
Lab Code: X2300246-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	115	84-113	03/31/03	S1
Toluene-d8	113	68-126	03/31/03	
4-Bromofluorobenzene	105	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Units: ug/L
Basis: NA
Level: Low

Sample Name: Method Blank
Lab Code: XWG0300422-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/29/03	03/29/03	
Chloromethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Chloride	ND	U	1.0	1	03/29/03	03/29/03	
Bromomethane	ND	U	1.0	1	03/29/03	03/29/03	
Chloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Trichlorofluoromethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/29/03	03/29/03	L1
1,1-Dichloroethene	ND	U	10	1	03/29/03	03/29/03	L2
Acetone	ND	U	2.0	1	03/29/03	03/29/03	
Iodomethane	ND	U	2.0	1	03/29/03	03/29/03	
Carbon Disulfide	ND	U	1.0	1	03/29/03	03/29/03	
Methylene Chloride	ND	U	0.50	1	03/29/03	03/29/03	
Methyl tert-Butyl Ether	ND	U	0.50	1	03/29/03	03/29/03	
trans-1,2-Dichloroethene	ND	U	3.0	1	03/29/03	03/29/03	
1,1-Dichloroethane	ND	U	2.0	1	03/29/03	03/29/03	
Vinyl Acetate	ND	U	8.0	1	03/29/03	03/29/03	
2,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
2-Butanone (MEK)	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,2-Dichloroethene	ND	U	1.0	1	03/29/03	03/29/03	
Bromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	L1
Chloroform	ND	U	0.50	1	03/29/03	03/29/03	L1
1,1,1-Trichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Carbon Tetrachloride	ND	U	0.50	1	03/29/03	03/29/03	
1,1-Dichloropropene	ND	U	0.50	1	03/29/03	03/29/03	
Benzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Trichloroethene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichloropropane	ND	U	0.50	1	03/29/03	03/29/03	
Dibromomethane	ND	U	0.50	1	03/29/03	03/29/03	
Bromodichloromethane	ND	U	0.50	1	03/29/03	03/29/03	
cis-1,3-Dichloropropene	ND	U	8.0	1	03/29/03	03/29/03	
4-Methyl-2-pentanone (MIBK)	ND	U	0.50	1	03/29/03	03/29/03	
Toluene							

Comments:

000020

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300422-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/29/03	03/29/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/29/03	03/29/03	
Tetrachloroethene	ND	U	0.50	1	03/29/03	03/29/03	
2-Hexanone	ND	U	5.0	1	03/29/03	03/29/03	
1,3-Dichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
Dibromochloromethane	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromoethane	ND	U	0.50	1	03/29/03	03/29/03	
Chlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/29/03	03/29/03	
Ethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
m,p-Xylenes	ND	U	1.0	1	03/29/03	03/29/03	
o-Xylene	ND	U	0.50	1	03/29/03	03/29/03	
Styrene	ND	U	0.50	1	03/29/03	03/29/03	
Isopropylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
Bromobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/29/03	03/29/03	
n-Propylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
2-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
4-Chlorotoluene	ND	U	0.50	1	03/29/03	03/29/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
tert-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
sec-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
4-Isopropyltoluene	ND	U	0.50	1	03/29/03	03/29/03	
Bromoform	ND	U	0.50	1	03/29/03	03/29/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/29/03	03/29/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
n-Butylbenzene	ND	U	0.50	1	03/29/03	03/29/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/29/03	03/29/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	
Hexachlorobutadiene	ND	U	0.50	1	03/29/03	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300422-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/29/03	03/29/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/29/03	03/29/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/29/03	
Toluene-d8	108	68-126	03/29/03	
4-Bromofluorobenzene	102	79-113	03/29/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/31/03	
Toluene-d8	108	68-126	03/31/03	
4-Bromofluorobenzene	103	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB60-0102-1000	X2300246-001	109	111	105
AVB60-0100-14450	X2300246-002	110	112	106
AVB60-0104-1000	X2300246-003	109	111	105
AVB82-0100-05320	X2300246-004	115 S1	113	105
Method Blank	XWG0300422-3	103	108	102
Method Blank	XWG0300425-3	109	108	103
Batch QC	X2300237-003	108	112	104
Batch QC	X2300243-002	111	115	107
Batch QCMS	XWG0300422-4	109	114	108
Batch QCDMS	XWG0300422-5	104	108	104
Batch QCMS	XWG0300425-4	112	115	108
Batch QCDMS	XWG0300425-5	102	108	103
Lab Control Sample	XWG0300422-1	107	111	109
Duplicate Lab Control Sample	XWG0300422-2	105	104	105
Lab Control Sample	XWG0300425-1	107	110	106
Duplicate Lab Control Sample	XWG0300425-2	107	109	105

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300422

Analyte Name	Sample Result	Batch QCMS XWG0300422-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300422-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	31.0	10.0	310 M1	28.0	10.0	280 M1	78-207	10	20
Chloromethane	ND	15.4	10.0	154	13.5	10.0	135	70-157	14	20
Vinyl Chloride	ND	18.6	10.0	186 M1	16.9	10.0	169	79-174	10	20
Bromomethane	ND	9.12	10.0	91	8.50	10.0	85	44-150	7	20
Chloroethane	ND	14.6	10.0	146	14.9	10.0	149	74-150	3	20
Trichlorofluoromethane	ND	17.0	10.0	170 M1	15.5	10.0	155 M1	80-134	9	20
1,1,2-Trichlorotrifluoroethane	ND	15.5	10.0	155 N1	14.3	10.0	143 N1	67-128	8	20
1,1-Dichloroethene	ND	13.5	10.0	135	12.5	10.0	125	71-142	8	20
Acetone	ND	37.4	40.0	94	35.3	40.0	88	1-155	6	20
Iodomethane	ND	33.3	40.0	83	29.0	40.0	72	47-120	14	20
Carbon Disulfide	ND	56.3	40.0	141 M1	50.9	40.0	127 M1	77-126	10	20
Methylene Chloride	ND	10.7	10.0	107 M1	9.94	10.0	99	83-106	7	20
Methyl tert-Butyl Ether	ND	9.80	10.0	98	9.50	10.0	95	70-118	3	20
trans-1,2-Dichloroethene	ND	11.9	10.0	119 M1	11.0	10.0	110	86-115	8	20
1,1-Dichloroethane	ND	12.4	10.0	124	11.3	10.0	113	77-127	9	20
Vinyl Acetate	ND	50.4	40.0	126	46.3	40.0	116	8-187	9	20
2,2-Dichloropropane	ND	13.6	10.0	136	12.1	10.0	121	25-154	12	20
2-Butanone (MEK)	ND	37.8	40.0	95	34.2	40.0	86 M2	90-112	10	20
cis-1,2-Dichloroethene	ND	11.1	10.0	111	10.3	10.0	103	69-118	7	20
Bromochloromethane	ND	8.95	10.0	90	8.41	10.0	84	47-136	6	20
Chloroform	4.8	16.3	10.0	115	15.1	10.0	103	48-143	8	20
1,1,1-Trichloroethane	ND	13.6	10.0	136 M1	12.8	10.0	128 M1	84-122	7	20
Carbon Tetrachloride	ND	14.6	10.0	146 N1	13.5	10.0	135 N1	79-120	8	20
1,1-Dichloropropene	ND	13.3	10.0	133 N1	12.6	10.0	126 N1	85-117	6	20
Benzene	ND	11.8	10.0	118 M1	11.2	10.0	112	88-114	5	20
1,2-Dichloroethane	ND	10.3	10.0	103	9.88	10.0	99	75-112	4	20
Trichloroethene	27	40.2	10.0	127 M1	37.6	10.0	101	76-115	7	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	10.3	10.0	103	85-107	6	20
Dibromomethane	ND	9.74	10.0	97	9.57	10.0	96	82-106	2	20
Bromodichloromethane	1.4	12.2	10.0	108 M1	11.5	10.0	101	83-107	6	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	9.74	10.0	97	70-114	5	20
4-Methyl-2-pentanone (MIBK)	ND	33.1	40.0	83	32.4	40.0	81	54-129	2	20
Toluene	ND	11.8	10.0	118 M1	11.1	10.0	111	86-114	6	20
trans-1,3-Dichloropropene	ND	10.1	10.0	101	9.73	10.0	97	73-112	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300237-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300422

Analyte Name	Sample Result	Batch QCMS XWG0300422-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300422-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	9.98	10.0	100	9.44	10.0	94	79-112	6	20
Tetrachloroethene	8.9	21.3	10.0	125	20.2	10.0	113	78-130	5	20
2-Hexanone	ND	37.5	40.0	94	36.6	40.0	91	77-112	3	20
1,3-Dichloropropane	ND	10.2	10.0	102	9.65	10.0	97	45-133	5	20
Dibromochloromethane	ND	9.73	10.0	97	9.32	10.0	93	74-108	4	20
1,2-Dibromoethane	ND	9.64	10.0	96	9.32	10.0	93	73-113	3	20
Chlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	9.98	10.0	100	9.76	10.0	98	84-119	2	20
Ethylbenzene	ND	12.0	10.0	120	11.5	10.0	115	47-136	5	20
m,p-Xylenes	ND	23.1	20.0	116	22.1	20.0	111	84-120	4	20
o-Xylene	ND	11.0	10.0	110	10.6	10.0	106	47-143	4	20
Styrene	ND	10.7	10.0	107	10.2	10.0	102	72-121	5	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.9	10.0	119 M1	63-108	5	20
Bromobenzene	ND	10.1	10.0	101	9.58	10.0	96	80-113	5	20
1,2,3-Trichloropropane	ND	9.86	10.0	99	9.49	10.0	95	78-119	4	20
n-Propylbenzene	ND	12.8	10.0	128 M1	12.2	10.0	122 M1	76-117	5	20
2-Chlorotoluene	ND	12.1	10.0	121	11.3	10.0	113	79-121	7	20
4-Chlorotoluene	ND	11.8	10.0	118	11.1	10.0	111	70-133	6	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.5	10.0	115	79-118	5	20
tert-Butylbenzene	ND	13.0	10.0	130 M1	12.4	10.0	124 M1	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.8	10.0	118	11.2	10.0	112	68-127	5	20
sec-Butylbenzene	ND	13.1	10.0	131 M1	12.5	10.0	125 M1	78-123	5	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.3	10.0	103	78-127	4	20
4-Isopropyltoluene	ND	13.2	10.0	132	12.5	10.0	125	79-142	6	20
Bromoform	ND	8.85	10.0	89	8.87	10.0	89	83-111	0	20
1,1,2,2-Tetrachloroethane	ND	9.83	10.0	98	9.68	10.0	97	66-133	2	20
1,4-Dichlorobenzene	ND	10.4	10.0	104	10.0	10.0	100	48-139	3	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	9.97	10.0	100	64-109	3	20
n-Butylbenzene	ND	13.4	10.0	134 M1	12.8	10.0	128 M1	69-122	5	20
1,2-Dibromo-3-chloropropane	ND	9.11	10.0	91	8.76	10.0	88	54-160	4	20
1,2,4-Trichlorobenzene	ND	10.0	10.0	100	9.73	10.0	97	39-145	3	20
Hexachlorobutadiene	ND	13.1	10.0	131 M1	12.8	10.0	128 M1	74-113	2	20
Naphthalene	ND	9.23	10.0	92	8.91	10.0	89	44-167	4	20
1,2,3-Trichlorobenzene	ND	9.74	10.0	97	9.38	10.0	94	37-158	4	20

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Fill Page

(X2300246)

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300425

Analyte Name	Sample Result	Batch QCMS XWG0300425-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300425-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	28.9	10.0	289 M1	25.7	10.0	257 M1	78-207	12	20
Chloromethane	ND	14.6	10.0	146	13.2	10.0	132	70-157	11	20
Vinyl Chloride	ND	18.3	10.0	183 M1	16.2	10.0	162	79-174	12	20
Bromomethane	ND	8.79	10.0	88	8.53	10.0	85	44-150	3	20
Chloroethane	ND	14.5	10.0	145	12.9	10.0	129	74-150	12	20
Trichlorofluoromethane	ND	16.9	10.0	169 M1	14.5	10.0	145 M1	80-134	15	20
1,1,2-Trichlorotrifluoroethane	ND	15.1	10.0	151 N1	13.7	10.0	137 N1	67-128	10	20
1,1-Dichloroethene	ND	13.4	10.0	134	11.8	10.0	118	71-142	13	20
Acetone	ND	41.4	40.0	103	38.2	40.0	96	1-155	8	20
Iodomethane	ND	36.4	40.0	91	30.4	40.0	76	47-120	18	20
Carbon Disulfide	ND	56.4	40.0	141 M1	50.9	40.0	127 M1	77-126	10	20
Methylene Chloride	ND	11.0	10.0	110 M1	10.1	10.0	101	83-106	9	20
Methyl tert-Butyl Ether	ND	11.0	10.0	110	10.2	10.0	102	70-118	7	20
trans-1,2-Dichloroethene	ND	12.2	10.0	122 M1	11.0	10.0	110	86-115	11	20
1,1-Dichloroethane	ND	12.2	10.0	122	11.1	10.0	111	77-127	9	20
Vinyl Acetate	ND	56.4	40.0	141	51.5	40.0	129	8-187	9	20
2,2-Dichloropropane	ND	13.9	10.0	139	12.4	10.0	124	25-154	11	20
2-Butanone (MEK)	ND	42.3	40.0	106	39.1	40.0	98	90-112	8	20
cis-1,2-Dichloroethene	ND	11.3	10.0	113	10.2	10.0	102	69-118	10	20
Bromochloromethane	ND	9.84	10.0	98	8.60	10.0	86	47-136	13	20
Chloroform	ND	11.6	10.0	116	10.5	10.0	105	48-143	9	20
1,1,1-Trichloroethane	ND	13.6	10.0	136 M1	12.4	10.0	124 M1	84-122	9	20
Carbon Tetrachloride	ND	14.6	10.0	146 N1	13.4	10.0	134 N1	79-120	9	20
1,1-Dichloropropene	ND	13.6	10.0	136 N1	12.7	10.0	127 N1	85-117	7	20
Benzene	ND	11.8	10.0	118 M1	11.3	10.0	113	88-114	5	20
1,2-Dichloroethane	ND	10.8	10.0	108	10.0	10.0	100	75-112	7	20
Trichloroethene	ND	11.8	10.0	118 M1	11.2	10.0	112	76-115	6	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	10.3	10.0	103	85-107	6	20
Dibromomethane	ND	10.4	10.0	104	9.66	10.0	97	82-106	7	20
Bromodichloromethane	ND	11.0	10.0	110 M1	10.2	10.0	102	83-107	7	20
cis-1,3-Dichloropropene	ND	10.7	10.0	107	10.0	10.0	100	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	37.0	40.0	92	35.3	40.0	88	54-129	5	20
Toluene	ND	12.2	10.0	122 M1	11.4	10.0	114	86-114	7	20
trans-1,3-Dichloropropene	ND	10.7	10.0	107	10.2	10.0	102	73-112	4	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300425

Analyte Name	Sample Result	Batch QCMS XWG0300425-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300425-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	10.2	10.0	102	9.88	10.0	99	79-112	4	20
Tetrachloroethene	ND	12.2	10.0	122	11.6	10.0	116	78-130	5	20
2-Hexanone	ND	42.0	40.0	105	40.9	40.0	102	77-112	3	20
1,3-Dichloropropane	ND	10.6	10.0	106	10.2	10.0	102	45-133	3	20
Dibromochloromethane	ND	10.0	10.0	100	9.66	10.0	97	74-108	4	20
1,2-Dibromoethane	ND	10.2	10.0	102	9.79	10.0	98	73-113	4	20
Chlorobenzene	ND	10.7	10.0	107	10.2	10.0	102	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	10.0	10.0	100	9.68	10.0	97	84-119	3	20
Ethylbenzene	ND	12.1	10.0	121	11.6	10.0	116	47-136	5	20
m,p-Xylenes	ND	23.4	20.0	117	22.3	20.0	112	84-120	5	20
o-Xylene	ND	11.1	10.0	111	10.8	10.0	108	47-143	3	20
Styrene	ND	10.9	10.0	109	10.4	10.0	104	72-121	4	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.8	10.0	118 M1	63-108	5	20
Bromobenzene	ND	10.1	10.0	101	9.80	10.0	98	80-113	3	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.98	10.0	100	78-119	2	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.2	10.0	122 M1	76-117	4	20
2-Chlorotoluene	ND	12.0	10.0	120	11.4	10.0	114	79-121	4	20
4-Chlorotoluene	ND	11.7	10.0	117	11.3	10.0	113	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.4	10.0	114	79-118	5	20
tert-Butylbenzene	ND	13.0	10.0	130 M1	12.3	10.0	123 M1	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.6	10.0	116	11.2	10.0	112	68-127	3	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.3	10.0	123	78-123	5	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.3	10.0	103	78-127	4	20
4-Isopropyltoluene	ND	13.2	10.0	132	12.6	10.0	126	79-142	5	20
Bromoform	ND	9.21	10.0	92	9.61	10.0	96	83-111	4	20
1,1,2,2-Tetrachloroethane	ND	9.91	10.0	99	10.0	10.0	100	66-133	1	20
1,4-Dichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	48-139	0	20
1,2-Dichlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	64-109	1	20
n-Butylbenzene	ND	12.9	10.0	129 M1	12.6	10.0	126 M1	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	8.72	10.0	87	9.15	10.0	92	54-160	5	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	39-145	0	20
Hexachlorobutadiene	ND	13.0	10.0	130 M1	12.9	10.0	129 M1	74-113	0	20
Naphthalene	ND	9.72	10.0	97	9.99	10.0	100	44-167	3	20
1,2,3-Trichlorobenzene	ND	9.97	10.0	100	10.1	10.0	101	37-158	1	20

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(X2300246)

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300422

	Lab Control Sample XWG0300422-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300422-2 Duplicate Lab Control Spike			%Rec	RPD	RPD
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**Limits**	**RPD**	**Limit**
Dichlorodifluoromethane	10.4	10.0	104	8.28	10.0	83	1-233	23 R7	20
Chloromethane	9.69	10.0	97	8.74	10.0	87	46-156	10	20
Vinyl Chloride	12.6	10.0	126	10.3	10.0	103	51-158	20	20
Bromomethane	7.58	10.0	76	6.88	10.0	69	37-149	10	20
Chloroethane	12.4	10.0	124	10.5	10.0	105	56-146	16	20
Trichlorofluoromethane	13.1	10.0	131	10.8	10.0	108	69-139	19	20
1,1,2-Trichlorotrifluoroethane	13.9	10.0	139 L1	10.8	10.0	108	83-130	25 R7	20
1,1-Dichloroethene	11.3	10.0	113 L1	9.33	10.0	93	65-112	19	20
Acetone	36.1	40.0	90	40.4	40.0	101	68-128	11	20
Iodomethane	26.7	40.0	67 L2	29.1	40.0	73	68-144	9	20
Carbon Disulfide	51.7	40.0	129	43.4	40.0	109	67-140	17	20
Methylene Chloride	10.5	10.0	105	10.4	10.0	104	70-113	1	20
Methyl tert-Butyl Ether	8.88	10.0	89	9.55	10.0	96	75-115	7	20
trans-1,2-Dichloroethene	10.7	10.0	107	9.41	10.0	94	73-118	13	20
1,1-Dichloroethane	12.0	10.0	120	11.0	10.0	110	77-127	9	20
Vinyl Acetate	47.3	40.0	118	52.3	40.0	131	51-202	10	39
2,2-Dichloropropane	12.3	10.0	123	10.3	10.0	103	75-132	18	20
2-Butanone (MEK)	35.0	40.0	88	39.1	40.0	98	72-122	11	20
cis-1,2-Dichloroethene	10.4	10.0	104	10.1	10.0	101	81-118	4	20
Bromochloromethane	8.82	10.0	88	9.63	10.0	96	82-114	9	20
Chloroform	11.3	10.0	113	10.8	10.0	108	78-119	5	20
1,1,1-Trichloroethane	12.0	10.0	120	9.80	10.0	98	71-125	20	20
Carbon Tetrachloride	13.2	10.0	132 L1	10.4	10.0	104	69-130	24 R7	20
1,1-Dichloropropene	12.4	10.0	124 L1	9.85	10.0	99	77-114	23 R7	20
Benzene	11.2	10.0	112	10.1	10.0	101	81-117	11	20
1,2-Dichloroethane	10.4	10.0	104	10.5	10.0	105	67-122	1	20
Trichloroethene	11.0	10.0	110	9.61	10.0	96	79-114	14	20
1,2-Dichloropropane	10.4	10.0	104	10.2	10.0	102	78-114	2	20
Dibromomethane	9.67	10.0	97	10.1	10.0	101	78-113	4	20
Bromodichloromethane	10.5	10.0	105	10.5	10.0	105	79-122	1	20
cis-1,3-Dichloropropene	10.7	10.0	107	10.6	10.0	106	82-118	1	20
4-Methyl-2-pentanone (MIBK)	31.4	40.0	78	34.0	40.0	85	75-115	8	20
Toluene	11.4	10.0	114	10.1	10.0	101	85-118	12	20
trans-1,3-Dichloropropene	10.2	10.0	102	10.6	10.0	106	79-121	3	20
1,1,2-Trichloroethane	9.34	10.0	93	9.79	10.0	98	79-116	5	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/29/2003
Date Analyzed: 03/29/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300422

	Lab Control Sample XWG0300422-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300422-2 Duplicate Lab Control Spike			%Rec		RPD
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**Limits**	**RPD**	**Limit**
Tetrachloroethene	10.9	10.0	109	8.89	10.0	89	76-127	20	20
2-Hexanone	35.5	40.0	89	38.6	40.0	97	65-120	9	20
1,3-Dichloropropane	10.0	10.0	100	10.4	10.0	104	81-116	4	20
Dibromochloromethane	9.36	10.0	94	9.55	10.0	96	77-119	2	20
1,2-Dibromoethane	9.38	10.0	94	9.91	10.0	99	79-116	5	20
Chlorobenzene	10.3	10.0	103	9.68	10.0	97	84-114	6	20
1,1,1,2-Tetrachloroethane	9.78	10.0	98	9.56	10.0	96	78-118	2	20
Ethylbenzene	11.8	10.0	118	10.2	10.0	102	79-124	15	20
m,p-Xylenes	22.8	20.0	114	19.8	20.0	99	75-131	14	20
o-Xylene	10.8	10.0	108	9.80	10.0	98	78-122	10	20
Styrene	10.9	10.0	109	10.3	10.0	103	80-126	6	20
Isopropylbenzene	11.5	10.0	115	9.70	10.0	97	75-126	17	20
Bromobenzene	9.90	10.0	99	9.72	10.0	97	82-122	2	20
1,2,3-Trichloropropane	10.0	10.0	100	10.2	10.0	102	77-118	2	20
n-Propylbenzene	12.4	10.0	124	10.4	10.0	104	75-129	18	20
2-Chlorotoluene	12.0	10.0	120	10.8	10.0	108	77-126	11	20
4-Chlorotoluene	11.6	10.0	116	10.6	10.0	106	82-120	9	20
1,3,5-Trimethylbenzene	11.7	10.0	117	10.3	10.0	103	75-130	13	20
tert-Butylbenzene	12.3	10.0	123	10.3	10.0	103	73-130	17	20
1,2,4-Trimethylbenzene	11.7	10.0	117	10.5	10.0	105	60-137	11	20
sec-Butylbenzene	11.7	10.0	117	9.88	10.0	99	68-131	17	20
1,3-Dichlorobenzene	10.4	10.0	104	9.88	10.0	99	71-137	5	20
4-Isopropyltoluene	12.5	10.0	125	10.7	10.0	107	68-134	16	20
Bromoform	8.44	10.0	84	8.87	10.0	89	70-118	5	20
1,1,2,2-Tetrachloroethane	9.46	10.0	95	9.86	10.0	99	72-122	4	20
1,4-Dichlorobenzene	10.2	10.0	102	9.86	10.0	99	82-114	4	20
1,2-Dichlorobenzene	10.1	10.0	101	9.94	10.0	99	81-118	2	20
n-Butylbenzene	12.1	10.0	121	10.5	10.0	105	71-125	14	20
1,2-Dibromo-3-chloropropane	8.32	10.0	83	9.23	10.0	92	55-131	10	20
1,2,4-Trichlorobenzene	9.35	10.0	94	9.59	10.0	96	75-123	3	20
Hexachlorobutadiene	11.7	10.0	117	10.8	10.0	108	63-140	9	20
Naphthalene	8.37	10.0	84	9.31	10.0	93	67-125	11	20
1,2,3-Trichlorobenzene	9.29	10.0	93	10.0	10.0	100	72-124	8	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300425

	Lab Control Sample XWG0300425-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300425-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.92	10.0	99	9.28	10.0	93	1-233	7	20
Chloromethane	8.86	10.0	89	8.77	10.0	88	46-156	1	20
Vinyl Chloride	12.0	10.0	120	11.8	10.0	118	51-158	1	20
Bromomethane	6.99	10.0	70	6.92	10.0	69	37-149	1	20
Chloroethane	11.6	10.0	116	11.4	10.0	114	56-146	2	20
Trichlorofluoromethane	12.8	10.0	128	12.7	10.0	127	69-139	1	20
1,1,2-Trichlorotrifluoroethane	14.5	10.0	145 L1	13.6	10.0	136 L1	83-130	6	20
1,1-Dichloroethene	11.5	10.0	115 L1	11.2	10.0	112	65-112	2	20
Acetone	34.2	40.0	86	38.2	40.0	95	68-128	11	20
Iodomethane	28.1	40.0	70	30.8	40.0	77	68-144	9	20
Carbon Disulfide	50.6	40.0	126	49.9	40.0	125	67-140	1	20
Methylene Chloride	10.6	10.0	106	10.5	10.0	105	70-113	0	20
Methyl tert-Butyl Ether	9.42	10.0	94	9.78	10.0	98	75-115	4	20
trans-1,2-Dichloroethene	10.5	10.0	105	10.7	10.0	107	73-118	1	20
1,1-Dichloroethane	11.6	10.0	116	11.6	10.0	116	77-127	0	20
Vinyl Acetate	49.1	40.0	123	49.8	40.0	125	51-202	1	39
2,2-Dichloropropane	12.5	10.0	125	12.4	10.0	124	75-132	0	20
2-Butanone (MEK)	37.4	40.0	94	40.0	40.0	100	72-122	7	20
cis-1,2-Dichloroethene	10.5	10.0	105	10.6	10.0	106	81-118	0	20
Bromochloromethane	9.07	10.0	91	9.24	10.0	92	82-114	2	20
Chloroform	11.1	10.0	111	11.2	10.0	112	78-119	1	20
1,1,1-Trichloroethane	11.8	10.0	118	11.7	10.0	117	71-125	1	20
Carbon Tetrachloride	13.1	10.0	131 L1	12.7	10.0	127	69-130	3	20
1,1-Dichloropropene	12.6	10.0	126 L1	12.2	10.0	122 L1	77-114	3	20
Benzene	11.0	10.0	110	11.1	10.0	111	81-117	1	20
1,2-Dichloroethane	10.0	10.0	100	10.2	10.0	102	67-122	2	20
Trichloroethene	11.2	10.0	112	11.2	10.0	112	79-114	0	20
1,2-Dichloropropane	10.3	10.0	103	10.3	10.0	103	78-114	0	20
Dibromomethane	9.62	10.0	96	9.81	10.0	98	78-113	2	20
Bromodichloromethane	10.4	10.0	104	10.6	10.0	106	79-122	2	20
cis-1,3-Dichloropropene	10.9	10.0	109	11.0	10.0	110	82-118	1	20
4-Methyl-2-pentanone (MIBK)	33.5	40.0	84	35.3	40.0	88	75-115	5	20
Toluene	11.3	10.0	113	11.3	10.0	113	85-118	0	20
trans-1,3-Dichloropropene	10.3	10.0	103	10.7	10.0	107	79-121	4	20
1,1,2-Trichloroethane	9.51	10.0	95	9.72	10.0	97	79-116	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300246
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300425

Analyte Name	Lab Control Sample XWG0300425-1 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300425-2 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	11.2	10.0	112	11.1	10.0	111	76-127	1	20
2-Hexanone	36.4	40.0	91	38.1	40.0	95	65-120	5	20
1,3-Dichloropropane	9.95	10.0	100	10.3	10.0	103	81-116	4	20
Dibromochloromethane	9.44	10.0	94	9.69	10.0	97	77-119	3	20
1,2-Dibromoethane	9.59	10.0	96	10.0	10.0	100	79-116	4	20
Chlorobenzene	10.1	10.0	101	10.1	10.0	101	84-114	0	20
1,1,1,2-Tetrachloroethane	9.59	10.0	96	9.76	10.0	98	78-118	2	20
Ethylbenzene	11.5	10.0	115	11.4	10.0	114	79-124	1	20
m,p-Xylenes	22.3	20.0	111	22.2	20.0	111	75-131	1	20
o-Xylene	10.6	10.0	106	10.6	10.0	106	78-122	0	20
Styrene	10.6	10.0	106	10.7	10.0	107	80-126	1	20
Isopropylbenzene	11.4	10.0	114	11.2	10.0	112	75-126	1	20
Bromobenzene	9.76	10.0	98	9.75	10.0	98	82-122	0	20
1,2,3-Trichloropropane	9.58	10.0	96	9.92	10.0	99	77-118	3	20
n-Propylbenzene	11.9	10.0	119	11.7	10.0	117	75-129	2	20
2-Chlorotoluene	11.4	10.0	114	11.3	10.0	113	77-126	1	20
4-Chlorotoluene	11.1	10.0	111	11.1	10.0	111	82-120	0	20
1,3,5-Trimethylbenzene	11.5	10.0	115	11.3	10.0	113	75-130	2	20
tert-Butylbenzene	12.1	10.0	121	11.8	10.0	118	73-130	2	20
1,2,4-Trimethylbenzene	11.3	10.0	113	11.2	10.0	112	60-137	1	20
sec-Butylbenzene	11.5	10.0	115	11.3	10.0	113	68-131	1	20
1,3-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	71-137	0	20
4-Isopropyltoluene	12.4	10.0	124	12.1	10.0	121	68-134	3	20
Bromoform	8.89	10.0	89	9.06	10.0	91	70-118	2	20
1,1,2,2-Tetrachloroethane	9.35	10.0	94	9.98	10.0	100	72-122	7	20
1,4-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	82-114	0	20
1,2-Dichlorobenzene	10.1	10.0	101	10.2	10.0	102	81-118	0	20
n-Butylbenzene	12.2	10.0	122	11.8	10.0	118	71-125	3	20
1,2-Dibromo-3-chloropropane	8.01	10.0	80	8.35	10.0	84	55-131	4	20
1,2,4-Trichlorobenzene	9.71	10.0	97	9.79	10.0	98	75-123	1	20
Hexachlorobutadiene	12.0	10.0	120	11.6	10.0	116	63-140	3	20
Naphthalene	9.20	10.0	92	9.49	10.0	95	67-125	3	20
1,2,3-Trichlorobenzene	9.73	10.0	97	10.0	10.0	100	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 31, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 20, 2003. For your reference, these analyses have been assigned our service request number L2300635.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award 000037

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000038

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Service Request : L2300635

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154

Sample Name :	Lab Code :
Method Blank	L2300326-MB
Laboratory Control Sample	L2300326-LCS
Batch QC	L2300618-001S
Batch QC	L2300618-001SD
AVB60-0100-14450	L2300635-001
AVB60-0104-1000	L2300635-002
AVB82-0100-05320	L2300635-003

Approved By: Sue Anderson Date: 3/31/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB60-0100-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300635-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	24	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB60-0100-14450	**Units :**	ug/L (ppb)
Lab Code :	L2300635-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB60-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300635-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB60-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300635-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB82-0100-05320	**Units :**	ug/L (ppb)
Lab Code :	L2300635-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	03/20/03
Project No. :	0310-3154	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB82-0100-05320	**Units :**	ug/L (ppb)
Lab Code :	L2300635-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300635
Date Collected : NA
Date Received : NA
Date Extracted : 03/26/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300326-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2300635
Date Collected : NA
Date Received : NA
Date Extracted : 03/26/03
Date Analyzed : 03/28/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300326-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	537	107	87-111	

000047

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300635
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	Batch QC		**Units :**	ug/L (ppb)
Lab Code :	L2300618-001S	L2300618-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	16.9	514	525	99	102	87-105	2	

000048

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

L2300635

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-20-03 PAGE 1 OF 1

PROJECT NAME WVOA # 0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Tot Cr	Dissolved Cr			REMARKS
AVB60-0102-1000	3-20-03		~~024-001~~	W		1		X			•								X	X			
AVB60-D100-14450	"	9:30	(1) ~~002~~	W		5		X											X	X			
AVB60-0104-1000	"	10:30	(2) ~~003~~	W		5		X											X	X			
AVB82-0100-05320	"	12:45	(3) ~~004~~	W		5		X															

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr Requires Lab Filtering

REPORT REQUIREMENTS

___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#
Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed Ex
Shipping #:
Condition:
Lab No: X23-00246

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BEAK	3-20-03 1500	Leslie May	CAS	3-20-03 1500
Leslie May	CAS	3-20-03 1600	Fedex		
Fedex			Donna Tuker	CAS	3/21/03 0900

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

0702

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

SAMPLE RECEIPT FORM

Service Request No: L230 0635 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 2 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -3 = {1-500ml Pl (NP) A, 1-500ml Pl (HNO3) B}

Comments ____

Initials, Date, Time LK 3/21/03 0955 r:\sr_forms\cooler.doc Rev. 1/17/02

3/21/03

000050

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company
3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-20-03 PAGE 1 OF 1

PROJECT NAME WVBA #0310-3154
PROJECT MANAGER Gordon
COMPANY/ADDRESS
PHONE/FAX
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	6TC Cr	Dissolved Cr			REMARKS
AVB60-0102-1000	3-20-03		0246-001	W		1		X			•												
AVB60-0100-14450	"	9:30	002	W		5		X											X	X			
AVB60-0104-1000	"	10:30	003	W		5		X											X	X			
AVB82-0100-05320	"	12:45	004	W		5		X											X	X			

SPECIAL INSTRUCTIONS/COMMENTS:
Dissolved Cr Requires Lab Filtering

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00246

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	PE2K	3-20-03 1500	Leslie May	CAS	3-20-03 1500
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

0702

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

X230 0246

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BEAK Project Name: WVBA

Sample(s) Received on: 3-20-03 date 1500 time

VOA's ☒ Glass Bottles ☐ Plastic Bottles ☒ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☒

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
	Yes ☐	No ☒
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☐
3. Are the signature and date correct?	Yes ☒	No ☐
4. Did all containers arrive in good condition?	Yes ☒	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☒	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☒	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☒	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.7°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

Columbia Analytical Services INC.
An Employee-Owned Company

July 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB

Dear Chuck:

Enclosed are the amended result pages for the samples submitted to our laboratory on March 12, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300633). For your reference, the 8260 analyses have been assigned our service request number X2300243.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300243
Project:	WVB	**Date Received:**	3/20/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300425-1 and XWG0300425-2) recovery of 1,1-Dichloroethene and 1,1-Dichloropropene for Method 8260 was above laboratory acceptance limits but within method acceptance limits.

The associated blank spike (XWG0300422-1 and XWG0300425-1) recovery of 1,1,2-Trichlorotrifluoroethane and Carbon Tetrachloride for Method 8260B was above laboratory acceptance limits. The associated blank spike (XWG0300425-2) recovery of 1,1,2-Trichlorotrifluoroethane for Method 8260B was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

CCV recovery of Dichlorodifluoromethane, Method 8260 was below method acceptance limits on 4/1/03. This compound was seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compound would be detected if present in the samples.

The associated blank spike (XWG0300433-1) recovery of 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloropropene, Method 8260, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

Surrogate recovery of Dibromofluoromethane, Method 8260B, was above laboratory acceptance limits for samples AVB89-0102-04000 (X2300243-004) and AVB111-0104-1000 (X2300243-006), but within method acceptance limits. No target analytes were seen in the sample.

Matrix spike (XWG0300425-4 and XWG0300425-5) recovery of 1,1,2-Trichlorotrifluoroethane, Carbon Tetrachloride and 1,1-Dichloropropene for Method 8260B was high. Matrix spike (XWG0300433-4 and XWG0300433-5) recovery of 1,1,2-Trichlorotrifluoroethane and 1,1-Dichloropropene for Method 8260B was high. These compounds were not detected in any of the samples analyzed in these batches.

Matrix spike (XWG0300425-4, XWG0300425-5, XWG0300433-4, and XWG0300433-5) recovery of other several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Approved by JMD **Date** 7-17-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2	The associated blank spike recovery was below laboratory acceptance limits. See case narrative.
L3	The associated blank spike recovery was above method acceptance limits. See case narrative.
L4	The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1	Matrix spike recovery was high, the method control sample recovery was acceptable.
M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
M3	The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.
M5	Analyte concentration was determined by the method of standard addition (MSA).
M6	Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7	Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1	See case narrative.
N2	See corrective action report.

Sample quality:

Q1	Sample integrity was not maintained. See case narrative.
Q2	Sample received with head space.
Q3	Sample received with improper chemical preservation.
Q4	Sample received and analyzed without chemical preservation.
Q5	Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6	Sample was received above recommended temperature.
Q7	Sample inadequately dechlorinated.
Q8	Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.
Q9	Insufficient sample received to meet QC requirements.
Q10	Sample received in inappropriate sample container.
Q11	Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1	RPD exceeded the method control limit. See case narrative.
R2	RPD exceeded the laboratory control limit. See case narrative.
R3	Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5	MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6	LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7	LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8	Sample RPD exceeded the method control limit.
R9	Sample RPD exceeded the laboratory control limit.

Surrogate:

S1	Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S2	Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB

Service Request: X2300243

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB86-0100-04111	X2300243-001	03/20/2003	03/20/2003
AVB89-0100-04000	X2300243-002	03/20/2003	03/20/2003
AVB90-0100-04000	X2300243-003	03/20/2003	03/20/2003
AVB89-0102-04000	X2300243-004	03/20/2003	03/20/2003
AVB111-0100-01103	X2300243-005	03/20/2003	03/20/2003
AVB111-0104-1000	X2300243-006	03/20/2003	03/20/2003
AVB111-0102-1000	X2300243-007	03/20/2003	03/20/2003
AVB89-0100-04000MS	XWG0300425-4	03/20/2003	03/20/2003
AVB89-0100-04000DMS	XWG0300425-5	03/20/2003	03/20/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-7-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB86-0100-04111
Lab Code: X2300243-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	**2.8**		1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	**1.0**		0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	**2.6**		0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	**4.3**		1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	**40**		0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB86-0100-04111
Lab Code: X2300243-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	**13**		0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

000009

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB86-0100-04111
Lab Code: X2300243-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	110	84-113	03/31/03	
Toluene-d8	111	68-126	03/31/03	
4-Bromofluorobenzene	105	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0100-04000
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0100-04000
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0100-04000
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	111	84-113	03/31/03	
Toluene-d8	115	68-126	03/31/03	
4-Bromofluorobenzene	107	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB90-0100-04000
Lab Code: X2300243-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	10	1	03/31/03	03/31/03	
Acetone	ND	U	2.0	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	1.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	0.50	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	3.0	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	2.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	8.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	L1
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	8.0	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	0.50	1	03/31/03	03/31/03	
Toluene							

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB90-0100-04000
Lab Code: X2300243-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB90-0100-04000
Lab Code: X2300243-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	03/31/03	
Toluene-d8	112	68-126	03/31/03	
4-Bromofluorobenzene	105	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0102-04000
Lab Code: X2300243-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

SuperSet Reference: RR3159

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0102-04000
Lab Code: X2300243-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB89-0102-04000
Lab Code: X2300243-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	114	84-113	04/01/03	S3
Toluene-d8	113	68-126	04/01/03	
4-Bromofluorobenzene	104	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0100-01103
Lab Code: X2300243-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	**0.89**		0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0100-01103
Lab Code: X2300243-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	**0.53**		0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

000021

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0100-01103
Lab Code: X2300243-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	04/01/03	
Toluene-d8	114	68-126	04/01/03	
4-Bromofluorobenzene	104	79-113	04/01/03	

Comments:

000022

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0104-1000
Lab Code: X2300243-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0104-1000
Lab Code: X2300243-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0104-1000
Lab Code: X2300243-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	118	84-113	04/01/03	S3
Toluene-d8	115	68-126	04/01/03	
4-Bromofluorobenzene	105	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0102-1000
Lab Code: X2300243-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0102-1000
Lab Code: X2300243-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: 03/20/2003
Date Received: 03/20/2003

Volatile Organic Compounds

Sample Name: AVB111-0102-1000
Lab Code: X2300243-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/31/03	
Toluene-d8	114	68-126	03/31/03	
4-Bromofluorobenzene	108	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/31/03	03/31/03	
Chloromethane	ND	U	2.0	1	03/31/03	03/31/03	
Vinyl Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Bromomethane	ND	U	1.0	1	03/31/03	03/31/03	
Chloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Trichlorofluoromethane	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/31/03	03/31/03	L1
1,1-Dichloroethene	ND	U	1.0	1	03/31/03	03/31/03	L1
Acetone	ND	U	10	1	03/31/03	03/31/03	
Iodomethane	ND	U	2.0	1	03/31/03	03/31/03	
Carbon Disulfide	ND	U	2.0	1	03/31/03	03/31/03	
Methylene Chloride	ND	U	1.0	1	03/31/03	03/31/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/31/03	03/31/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,1-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Vinyl Acetate	ND	U	3.0	1	03/31/03	03/31/03	
2,2-Dichloropropane	ND	U	2.0	1	03/31/03	03/31/03	
2-Butanone (MEK)	ND	U	8.0	1	03/31/03	03/31/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
Bromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
Chloroform	ND	U	1.0	1	03/31/03	03/31/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Carbon Tetrachloride	ND	U	0.50	1	03/31/03	03/31/03	L1
1,1-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	L1
Benzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Trichloroethene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichloropropane	ND	U	0.50	1	03/31/03	03/31/03	
Dibromomethane	ND	U	0.50	1	03/31/03	03/31/03	
Bromodichloromethane	ND	U	0.50	1	03/31/03	03/31/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/31/03	03/31/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/31/03	03/31/03	
Toluene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

000029

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/31/03	03/31/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/31/03	03/31/03	
Tetrachloroethene	ND	U	0.50	1	03/31/03	03/31/03	
2-Hexanone	ND	U	5.0	1	03/31/03	03/31/03	
1,3-Dichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
Dibromochloromethane	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromoethane	ND	U	0.50	1	03/31/03	03/31/03	
Chlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/31/03	03/31/03	
Ethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
m,p-Xylenes	ND	U	1.0	1	03/31/03	03/31/03	
o-Xylene	ND	U	0.50	1	03/31/03	03/31/03	
Styrene	ND	U	0.50	1	03/31/03	03/31/03	
Isopropylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
Bromobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/31/03	03/31/03	
n-Propylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
2-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
4-Chlorotoluene	ND	U	0.50	1	03/31/03	03/31/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
tert-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
sec-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
4-Isopropyltoluene	ND	U	0.50	1	03/31/03	03/31/03	
Bromoform	ND	U	0.50	1	03/31/03	03/31/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/31/03	03/31/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
n-Butylbenzene	ND	U	0.50	1	03/31/03	03/31/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/31/03	03/31/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	
Hexachlorobutadiene	ND	U	0.50	1	03/31/03	03/31/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300425-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/31/03	03/31/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/31/03	03/31/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	03/31/03	
Toluene-d8	108	68-126	03/31/03	
4-Bromofluorobenzene	103	79-113	03/31/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300433-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/01/03	04/01/03	N1V4
Chloromethane	ND	U	2.0	1	04/01/03	04/01/03	
Vinyl Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Bromomethane	ND	U	1.0	1	04/01/03	04/01/03	
Chloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Trichlorofluoromethane	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/01/03	04/01/03	L1
1,1-Dichloroethene	ND	U	1.0	1	04/01/03	04/01/03	
Acetone	ND	U	10	1	04/01/03	04/01/03	
Iodomethane	ND	U	2.0	1	04/01/03	04/01/03	
Carbon Disulfide	ND	U	2.0	1	04/01/03	04/01/03	
Methylene Chloride	ND	U	1.0	1	04/01/03	04/01/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/01/03	04/01/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Vinyl Acetate	ND	U	3.0	1	04/01/03	04/01/03	
2,2-Dichloropropane	ND	U	2.0	1	04/01/03	04/01/03	
2-Butanone (MEK)	ND	U	8.0	1	04/01/03	04/01/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
Bromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
Chloroform	ND	U	1.0	1	04/01/03	04/01/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Carbon Tetrachloride	ND	U	0.50	1	04/01/03	04/01/03	
1,1-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	L1
Benzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Trichloroethene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichloropropane	ND	U	0.50	1	04/01/03	04/01/03	
Dibromomethane	ND	U	0.50	1	04/01/03	04/01/03	
Bromodichloromethane	ND	U	0.50	1	04/01/03	04/01/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/01/03	04/01/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/01/03	04/01/03	
Toluene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300433-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/01/03	04/01/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/01/03	04/01/03	
Tetrachloroethene	ND	U	0.50	1	04/01/03	04/01/03	
2-Hexanone	ND	U	5.0	1	04/01/03	04/01/03	
1,3-Dichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
Dibromochloromethane	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromoethane	ND	U	0.50	1	04/01/03	04/01/03	
Chlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/01/03	04/01/03	
Ethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
m,p-Xylenes	ND	U	1.0	1	04/01/03	04/01/03	
o-Xylene	ND	U	0.50	1	04/01/03	04/01/03	
Styrene	ND	U	0.50	1	04/01/03	04/01/03	
Isopropylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
Bromobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/01/03	04/01/03	
n-Propylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
2-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
4-Chlorotoluene	ND	U	0.50	1	04/01/03	04/01/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
tert-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
sec-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
4-Isopropyltoluene	ND	U	0.50	1	04/01/03	04/01/03	
Bromoform	ND	U	0.50	1	04/01/03	04/01/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/01/03	04/01/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
n-Butylbenzene	ND	U	0.50	1	04/01/03	04/01/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/01/03	04/01/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	
Hexachlorobutadiene	ND	U	0.50	1	04/01/03	04/01/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300243
Project:	WVB	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	XWG0300433-3	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/01/03	04/01/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/01/03	04/01/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	04/01/03	
Toluene-d8	107	68-126	04/01/03	
4-Bromofluorobenzene	100	79-113	04/01/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB86-0100-04111	X2300243-001	110	111	105
AVB89-0100-04000	X2300243-002	111	115	107
AVB90-0100-04000	X2300243-003	112	112	105
AVB89-0102-04000	X2300243-004	114 S3	113	104
AVB111-0100-01103	X2300243-005	112	114	104
AVB111-0104-1000	X2300243-006	118 S3	115	105
AVB111-0102-1000	X2300243-007	109	114	108
Method Blank	XWG0300425-3	109	108	103
Method Blank	XWG0300433-3	112	107	100
Batch QC	X2300248-003	112	113	104
AVB89-0100-04000MS	XWG0300425-4	112	115	108
AVB89-0100-04000DMS	XWG0300425-5	102	108	103
Batch QCMS	XWG0300433-4	110	114	107
Batch QCDMS	XWG0300433-5	107	110	105
Lab Control Sample	XWG0300425-1	107	110	106
Duplicate Lab Control Sample	XWG0300425-2	107	109	105
Lab Control Sample	XWG0300433-1	111	110	106
Duplicate Lab Control Sample	XWG0300433-2	107	110	106

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB89-0100-04000
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300425

Analyte Name	Sample Result	AVB89-0100-04000MS XWG0300425-4 Matrix Spike Result	Expected	%Rec	AVB89-0100-04000DMS XWG0300425-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	28.9	10.0	289 M1	25.7	10.0	257 M1	78-207	12	20
Chloromethane	ND	14.6	10.0	146	13.2	10.0	132	70-157	11	20
Vinyl Chloride	ND	18.3	10.0	183 M1	16.2	10.0	162	79-174	12	20
Bromomethane	ND	8.79	10.0	88	8.53	10.0	85	44-150	3	20
Chloroethane	ND	14.5	10.0	145	12.9	10.0	129	74-150	12	20
Trichlorofluoromethane	ND	16.9	10.0	169 M1	14.5	10.0	145 M1	80-134	15	20
1,1,2-Trichlorotrifluoroethane	ND	15.1	10.0	151 N1	13.7	10.0	137 N1	67-128	10	20
1,1-Dichloroethene	ND	13.4	10.0	134	11.8	10.0	118	71-142	13	20
Acetone	ND	41.4	40.0	103	38.2	40.0	96	1-155	8	20
Iodomethane	ND	36.4	40.0	91	30.4	40.0	76	47-120	18	20
Carbon Disulfide	ND	56.4	40.0	141 M1	50.9	40.0	127 M1	77-126	10	20
Methylene Chloride	ND	11.0	10.0	110 M1	10.1	10.0	101	83-106	9	20
Methyl tert-Butyl Ether	ND	11.0	10.0	110	10.2	10.0	102	70-118	7	20
trans-1,2-Dichloroethene	ND	12.2	10.0	122 M1	11.0	10.0	110	86-115	11	20
1,1-Dichloroethane	ND	12.2	10.0	122	11.1	10.0	111	77-127	9	20
Vinyl Acetate	ND	56.4	40.0	141	51.5	40.0	129	8-187	9	20
2,2-Dichloropropane	ND	13.9	10.0	139	12.4	10.0	124	25-154	11	20
2-Butanone (MEK)	ND	42.3	40.0	106	39.1	40.0	98	90-112	8	20
cis-1,2-Dichloroethene	ND	11.3	10.0	113	10.2	10.0	102	69-118	10	20
Bromochloromethane	ND	9.84	10.0	98	8.60	10.0	86	47-136	13	20
Chloroform	ND	11.6	10.0	116	10.5	10.0	105	48-143	9	20
1,1,1-Trichloroethane	ND	13.6	10.0	136 M1	12.4	10.0	124 M1	84-122	9	20
Carbon Tetrachloride	ND	14.6	10.0	146 N1	13.4	10.0	134 N1	79-120	9	20
1,1-Dichloropropene	ND	13.6	10.0	136 N1	12.7	10.0	127 N1	85-117	7	20
Benzene	ND	11.8	10.0	118 M1	11.3	10.0	113	88-114	5	20
1,2-Dichloroethane	ND	10.8	10.0	108	10.0	10.0	100	75-112	7	20
Trichloroethene	ND	11.8	10.0	118 M1	11.2	10.0	112	76-115	6	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	10.3	10.0	103	85-107	6	20
Dibromomethane	ND	10.4	10.0	104	9.66	10.0	97	82-106	7	20
Bromodichloromethane	ND	11.0	10.0	110 M1	10.2	10.0	102	83-107	7	20
cis-1,3-Dichloropropene	ND	10.7	10.0	107	10.0	10.0	100	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	37.0	40.0	92	35.3	40.0	88	54-129	5	20
Toluene	ND	12.2	10.0	122 M1	11.4	10.0	114	86-114	7	20
trans-1,3-Dichloropropene	ND	10.7	10.0	107	10.2	10.0	102	73-112	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB89-0100-04000
Lab Code: X2300243-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300425

Analyte Name	Sample Result	AVB89-0100-04000MS XWG0300425-4 Matrix Spike Result	Expected	%Rec	AVB89-0100-04000DMS XWG0300425-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	10.2	10.0	102	9.88	10.0	99	79-112	4	20
Tetrachloroethene	ND	12.2	10.0	122	11.6	10.0	116	78-130	5	20
2-Hexanone	ND	42.0	40.0	105	40.9	40.0	102	77-112	3	20
1,3-Dichloropropane	ND	10.6	10.0	106	10.2	10.0	102	45-133	3	20
Dibromochloromethane	ND	10.0	10.0	100	9.66	10.0	97	74-108	4	20
1,2-Dibromoethane	ND	10.2	10.0	102	9.79	10.0	98	73-113	4	20
Chlorobenzene	ND	10.7	10.0	107	10.2	10.0	102	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	10.0	10.0	100	9.68	10.0	97	84-119	3	20
Ethylbenzene	ND	12.1	10.0	121	11.6	10.0	116	47-136	5	20
m,p-Xylenes	ND	23.4	20.0	117	22.3	20.0	112	84-120	5	20
o-Xylene	ND	11.1	10.0	111	10.8	10.0	108	47-143	3	20
Styrene	ND	10.9	10.0	109	10.4	10.0	104	72-121	4	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.8	10.0	118 M1	63-108	5	20
Bromobenzene	ND	10.1	10.0	101	9.80	10.0	98	80-113	3	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.98	10.0	100	78-119	2	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.2	10.0	122 M1	76-117	4	20
2-Chlorotoluene	ND	12.0	10.0	120	11.4	10.0	114	79-121	4	20
4-Chlorotoluene	ND	11.7	10.0	117	11.3	10.0	113	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.4	10.0	114	79-118	5	20
tert-Butylbenzene	ND	13.0	10.0	130 M1	12.3	10.0	123 M1	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.6	10.0	116	11.2	10.0	112	68-127	3	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.3	10.0	123	78-123	5	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.3	10.0	103	78-127	4	20
4-Isopropyltoluene	ND	13.2	10.0	132	12.6	10.0	126	79-142	5	20
Bromoform	ND	9.21	10.0	92	9.61	10.0	96	83-111	4	20
1,1,2,2-Tetrachloroethane	ND	9.91	10.0	99	10.0	10.0	100	66-133	1	20
1,4-Dichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	48-139	0	20
1,2-Dichlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	64-109	1	20
n-Butylbenzene	ND	12.9	10.0	129 M1	12.6	10.0	126 M1	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	8.72	10.0	87	9.15	10.0	92	54-160	5	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.2	10.0	102	39-145	0	20
Hexachlorobutadiene	ND	13.0	10.0	130 M1	12.9	10.0	129 M1	74-113	0	20
Naphthalene	ND	9.72	10.0	97	9.99	10.0	100	44-167	3	20
1,2,3-Trichlorobenzene	ND	9.97	10.0	100	10.1	10.0	101	37-158	1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Fill Page

(X2300243)

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300248-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300433

Analyte Name	Sample Result	Batch QCMS XWG0300433-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300433-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	27.9	10.0	279 M1	27.0	10.0	270 M1	78-207	3	20
Chloromethane	ND	16.9	10.0	169 M1	16.0	10.0	160 M1	70-157	5	20
Vinyl Chloride	ND	19.3	10.0	193 M1	18.4	10.0	184 M1	79-174	5	20
Bromomethane	ND	9.69	10.0	97	9.49	10.0	95	44-150	2	20
Chloroethane	ND	15.9	10.0	159 M1	14.8	10.0	148	74-150	7	20
Trichlorofluoromethane	ND	17.9	10.0	179 M1	17.3	10.0	173 M1	80-134	3	20
1,1,2-Trichlorotrifluoroethane	ND	15.1	10.0	151 N1	14.5	10.0	145 N1	67-128	4	20
1,1-Dichloroethene	ND	12.7	10.0	127	12.3	10.0	123	71-142	3	20
Acetone	ND	38.9	40.0	97	42.2	40.0	106	1-155	8	20
Iodomethane	ND	35.7	40.0	89	37.2	40.0	93	47-120	4	20
Carbon Disulfide	ND	57.5	40.0	144 M1	55.4	40.0	139 M1	77-126	4	20
Methylene Chloride	ND	11.1	10.0	111 M1	10.8	10.0	108 M1	83-106	3	20
Methyl tert-Butyl Ether	ND	10.8	10.0	108	10.6	10.0	106	70-118	2	20
trans-1,2-Dichloroethene	ND	11.8	10.0	118 M1	11.5	10.0	115	86-115	3	20
1,1-Dichloroethane	ND	12.7	10.0	127	12.3	10.0	123	77-127	4	20
Vinyl Acetate	ND	60.6	40.0	151	60.2	40.0	150	8-187	1	20
2,2-Dichloropropane	ND	14.5	10.0	145	13.9	10.0	139	25-154	5	20
2-Butanone (MEK)	ND	44.1	40.0	110	43.6	40.0	109	90-112	1	20
cis-1,2-Dichloroethene	ND	10.9	10.0	109	10.7	10.0	107	69-118	2	20
Bromochloromethane	ND	9.52	10.0	95	9.35	10.0	94	47-136	2	20
Chloroform	ND	12.2	10.0	122	11.8	10.0	118	48-143	3	20
1,1,1-Trichloroethane	ND	14.1	10.0	141 M1	13.6	10.0	136 M1	84-122	4	20
Carbon Tetrachloride	ND	14.9	10.0	149 M1	14.3	10.0	143 M1	79-120	4	20
1,1-Dichloropropene	ND	13.9	10.0	139 N1	13.3	10.0	133 N1	85-117	4	20
Benzene	ND	12.4	10.0	124 M1	11.8	10.0	118 M1	88-114	5	20
1,2-Dichloroethane	ND	11.4	10.0	114 M1	11.1	10.0	111	75-112	3	20
Trichloroethene	ND	12.1	10.0	121 M1	11.7	10.0	117 M1	76-115	3	20
1,2-Dichloropropane	ND	11.5	10.0	115 M1	11.0	10.0	110 M1	85-107	4	20
Dibromomethane	ND	10.5	10.0	105	10.1	10.0	101	82-106	3	20
Bromodichloromethane	ND	11.6	10.0	116 M1	11.3	10.0	113 M1	83-107	3	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	10.3	10.0	103	70-114	7	20
4-Methyl-2-pentanone (MIBK)	ND	37.8	40.0	95	37.5	40.0	94	54-129	1	20
Toluene	ND	12.4	10.0	124 M1	12.0	10.0	120 M1	86-114	3	20
trans-1,3-Dichloropropene	ND	11.1	10.0	111	10.7	10.0	107	73-112	3	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300248-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300433

Analyte Name	Sample Result	Batch QCMS XWG0300433-4 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300433-5 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	ND	10.8	10.0	108	10.6	10.0	106	79-112	2	20
Tetrachloroethene	ND	11.9	10.0	119	11.5	10.0	115	78-130	3	20
2-Hexanone	ND	45.2	40.0	113 M1	44.2	40.0	110	77-112	2	20
1,3-Dichloropropane	ND	11.4	10.0	114	11.0	10.0	110	45-133	3	20
Dibromochloromethane	ND	10.2	10.0	102	10.2	10.0	102	74-108	1	20
1,2-Dibromoethane	ND	10.4	10.0	104	10.2	10.0	102	73-113	2	20
Chlorobenzene	ND	10.7	10.0	107	10.5	10.0	105	84-111	2	20
1,1,1,2-Tetrachloroethane	ND	10.4	10.0	104	10.1	10.0	101	84-119	3	20
Ethylbenzene	ND	12.4	10.0	124	12.0	10.0	120	47-136	3	20
m,p-Xylenes	ND	23.6	20.0	118	22.8	20.0	114	84-120	3	20
o-Xylene	ND	11.1	10.0	111	10.8	10.0	108	47-143	3	20
Styrene	ND	10.9	10.0	109	10.7	10.0	107	72-121	2	20
Isopropylbenzene	ND	12.3	10.0	123 M1	11.9	10.0	119 M1	63-108	3	20
Bromobenzene	ND	10.3	10.0	103	10.1	10.0	101	80-113	2	20
1,2,3-Trichloropropane	ND	11.2	10.0	112	10.9	10.0	109	78-119	2	20
n-Propylbenzene	ND	12.9	10.0	129 M1	12.6	10.0	126 M1	76-117	2	20
2-Chlorotoluene	ND	12.4	10.0	124 M1	12.0	10.0	120	79-121	3	20
4-Chlorotoluene	ND	11.9	10.0	119	11.6	10.0	116	70-133	3	20
1,3,5-Trimethylbenzene	ND	12.0	10.0	120 M1	11.7	10.0	117	79-118	3	20
tert-Butylbenzene	ND	12.9	10.0	129 M1	12.4	10.0	124 M1	77-120	4	20
1,2,4-Trimethylbenzene	ND	11.8	10.0	118	11.5	10.0	115	68-127	2	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.5	10.0	125 M1	78-123	3	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.3	10.0	103	78-127	3	20
4-Isopropyltoluene	ND	13.3	10.0	133	12.6	10.0	126	79-142	5	20
Bromoform	ND	9.69	10.0	97	9.52	10.0	95	83-111	2	20
1,1,2,2-Tetrachloroethane	ND	11.1	10.0	111	10.7	10.0	107	66-133	3	20
1,4-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	48-139	1	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	64-109	2	20
n-Butylbenzene	ND	13.3	10.0	133 M1	12.7	10.0	127 M1	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	9.75	10.0	98	10.6	10.0	106	54-160	8	20
1,2,4-Trichlorobenzene	ND	10.1	10.0	101	9.84	10.0	98	39-145	3	20
Hexachlorobutadiene	ND	12.7	10.0	127 M1	12.1	10.0	121 M1	74-113	4	20
Naphthalene	ND	9.93	10.0	99	10.0	10.0	100	44-167	1	20
1,2,3-Trichlorobenzene	ND	10.2	10.0	102	10.0	10.0	100	37-158	2	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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(X2300243)

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300425

	Lab Control Sample XWG0300425-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300425-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.92	10.0	99	9.28	10.0	93	1-233	7	20
Chloromethane	8.86	10.0	89	8.77	10.0	88	46-156	1	20
Vinyl Chloride	12.0	10.0	120	11.8	10.0	118	51-158	1	20
Bromomethane	6.99	10.0	70	6.92	10.0	69	37-149	1	20
Chloroethane	11.6	10.0	116	11.4	10.0	114	56-146	2	20
Trichlorofluoromethane	12.8	10.0	128	12.7	10.0	127	69-139	1	20
1,1,2-Trichlorotrifluoroethane	14.5	10.0	145 L1	13.6	10.0	136 L1	83-130	6	20
1,1-Dichloroethene	11.5	10.0	115 L1	11.2	10.0	112	65-112	2	20
Acetone	34.2	40.0	86	38.2	40.0	95	68-128	11	20
Iodomethane	28.1	40.0	70	30.8	40.0	77	68-144	9	20
Carbon Disulfide	50.6	40.0	126	49.9	40.0	125	67-140	1	20
Methylene Chloride	10.6	10.0	106	10.5	10.0	105	70-113	0	20
Methyl tert-Butyl Ether	9.42	10.0	94	9.78	10.0	98	75-115	4	20
trans-1,2-Dichloroethene	10.5	10.0	105	10.7	10.0	107	73-118	1	20
1,1-Dichloroethane	11.6	10.0	116	11.6	10.0	116	77-127	0	20
Vinyl Acetate	49.1	40.0	123	49.8	40.0	125	51-202	1	39
2,2-Dichloropropane	12.5	10.0	125	12.4	10.0	124	75-132	0	20
2-Butanone (MEK)	37.4	40.0	94	40.0	40.0	100	72-122	7	20
cis-1,2-Dichloroethene	10.5	10.0	105	10.6	10.0	106	81-118	0	20
Bromochloromethane	9.07	10.0	91	9.24	10.0	92	82-114	2	20
Chloroform	11.1	10.0	111	11.2	10.0	112	78-119	1	20
1,1,1-Trichloroethane	11.8	10.0	118	11.7	10.0	117	71-125	1	20
Carbon Tetrachloride	13.1	10.0	131 L1	12.7	10.0	127	69-130	3	20
1,1-Dichloropropene	12.6	10.0	126 L1	12.2	10.0	122 L1	77-114	3	20
Benzene	11.0	10.0	110	11.1	10.0	111	81-117	1	20
1,2-Dichloroethane	10.0	10.0	100	10.2	10.0	102	67-122	2	20
Trichloroethene	11.2	10.0	112	11.2	10.0	112	79-114	0	20
1,2-Dichloropropane	10.3	10.0	103	10.3	10.0	103	78-114	0	20
Dibromomethane	9.62	10.0	96	9.81	10.0	98	78-113	2	20
Bromodichloromethane	10.4	10.0	104	10.6	10.0	106	79-122	2	20
cis-1,3-Dichloropropene	10.9	10.0	109	11.0	10.0	110	82-118	1	20
4-Methyl-2-pentanone (MIBK)	33.5	40.0	84	35.3	40.0	88	75-115	5	20
Toluene	11.3	10.0	113	11.3	10.0	113	85-118	0	20
trans-1,3-Dichloropropene	10.3	10.0	103	10.7	10.0	107	79-121	4	20
1,1,2-Trichloroethane	9.51	10.0	95	9.72	10.0	97	79-116	2	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 03/31/2003
Date Analyzed: 03/31/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300425

Analyte Name	Lab Control Sample XWG0300425-1 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300425-2 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	11.2	10.0	112	11.1	10.0	111	76-127	1	20
2-Hexanone	36.4	40.0	91	38.1	40.0	95	65-120	5	20
1,3-Dichloropropane	9.95	10.0	100	10.3	10.0	103	81-116	4	20
Dibromochloromethane	9.44	10.0	94	9.69	10.0	97	77-119	3	20
1,2-Dibromoethane	9.59	10.0	96	10.0	10.0	100	79-116	4	20
Chlorobenzene	10.1	10.0	101	10.1	10.0	101	84-114	0	20
1,1,1,2-Tetrachloroethane	9.59	10.0	96	9.76	10.0	98	78-118	2	20
Ethylbenzene	11.5	10.0	115	11.4	10.0	114	79-124	1	20
m,p-Xylenes	22.3	20.0	111	22.2	20.0	111	75-131	1	20
o-Xylene	10.6	10.0	106	10.6	10.0	106	78-122	0	20
Styrene	10.6	10.0	106	10.7	10.0	107	80-126	1	20
Isopropylbenzene	11.4	10.0	114	11.2	10.0	112	75-126	1	20
Bromobenzene	9.76	10.0	98	9.75	10.0	98	82-122	0	20
1,2,3-Trichloropropane	9.58	10.0	96	9.92	10.0	99	77-118	3	20
n-Propylbenzene	11.9	10.0	119	11.7	10.0	117	75-129	2	20
2-Chlorotoluene	11.4	10.0	114	11.3	10.0	113	77-126	1	20
4-Chlorotoluene	11.1	10.0	111	11.1	10.0	111	82-120	0	20
1,3,5-Trimethylbenzene	11.5	10.0	115	11.3	10.0	113	75-130	2	20
tert-Butylbenzene	12.1	10.0	121	11.8	10.0	118	73-130	2	20
1,2,4-Trimethylbenzene	11.3	10.0	113	11.2	10.0	112	60-137	1	20
sec-Butylbenzene	11.5	10.0	115	11.3	10.0	113	68-131	1	20
1,3-Dichlorobenzene	10.1	10.0	101	10.1	10.0	101	71-137	0	20
4-Isopropyltoluene	12.4	10.0	124	12.1	10.0	121	68-134	3	20
Bromoform	8.89	10.0	89	9.06	10.0	91	70-118	2	20
1,1,2,2-Tetrachloroethane	9.35	10.0	94	9.98	10.0	100	72-122	7	20
1,4-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	82-114	0	20
1,2-Dichlorobenzene	10.1	10.0	101	10.2	10.0	102	81-118	0	20
n-Butylbenzene	12.2	10.0	122	11.8	10.0	118	71-125	3	20
1,2-Dibromo-3-chloropropane	8.01	10.0	80	8.35	10.0	84	55-131	4	20
1,2,4-Trichlorobenzene	9.71	10.0	97	9.79	10.0	98	75-123	1	20
Hexachlorobutadiene	12.0	10.0	120	11.6	10.0	116	63-140	3	20
Naphthalene	9.20	10.0	92	9.49	10.0	95	67-125	3	20
1,2,3-Trichlorobenzene	9.73	10.0	97	10.0	10.0	100	72-124	3	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300433

	Lab Control Sample XWG0300433-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300433-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.07	10.0	91	7.46	10.0	75	1-233	19	20
Chloromethane	9.86	10.0	99	9.02	10.0	90	46-156	9	20
Vinyl Chloride	12.3	10.0	123	11.0	10.0	110	51-158	12	20
Bromomethane	7.99	10.0	80	7.73	10.0	77	37-149	3	20
Chloroethane	12.0	10.0	120	11.3	10.0	113	56-146	6	20
Trichlorofluoromethane	13.9	10.0	139	12.1	10.0	121	69-139	14	20
1,1,2-Trichlorotrifluoroethane	14.1	10.0	141 L1	11.9	10.0	119	83-130	17	20
1,1-Dichloroethene	10.8	10.0	108	9.81	10.0	98	65-112	9	20
Acetone	40.7	40.0	102	42.6	40.0	106	68-128	4	20
Iodomethane	31.2	40.0	78	29.9	40.0	75	68-144	4	20
Carbon Disulfide	50.4	40.0	126	46.0	40.0	115	67-140	9	20
Methylene Chloride	11.2	10.0	112	10.7	10.0	107	70-113	5	20
Methyl tert-Butyl Ether	9.79	10.0	98	10.2	10.0	102	75-115	4	20
trans-1,2-Dichloroethene	10.5	10.0	105	9.59	10.0	96	73-118	9	20
1,1-Dichloroethane	12.3	10.0	123	11.5	10.0	115	77-127	7	20
Vinyl Acetate	56.0	40.0	140	55.1	40.0	138	51-202	2	39
2,2-Dichloropropane	12.5	10.0	125	11.4	10.0	114	75-132	9	20
2-Butanone (MEK)	39.5	40.0	99	41.4	40.0	103	72-122	5	20
cis-1,2-Dichloroethene	10.5	10.0	105	10.2	10.0	102	81-118	3	20
Bromochloromethane	9.64	10.0	96	9.52	10.0	95	82-114	1	20
Chloroform	11.8	10.0	118	11.1	10.0	111	78-119	6	20
1,1,1-Trichloroethane	11.9	10.0	119	10.9	10.0	109	71-125	9	20
Carbon Tetrachloride	13.0	10.0	130	11.8	10.0	118	69-130	10	20
1,1-Dichloropropene	12.2	10.0	122 L1	11.1	10.0	111	77-114	9	20
Benzene	11.2	10.0	112	10.7	10.0	107	81-117	5	20
1,2-Dichloroethane	11.4	10.0	114	11.2	10.0	112	67-122	2	20
Trichloroethene	11.0	10.0	110	10.3	10.0	103	79-114	7	20
1,2-Dichloropropane	10.9	10.0	109	10.6	10.0	106	78-114	3	20
Dibromomethane	10.5	10.0	105	10.4	10.0	104	78-113	2	20
Bromodichloromethane	11.2	10.0	112	10.9	10.0	109	79-122	2	20
cis-1,3-Dichloropropene	11.3	10.0	113	11.0	10.0	110	82-118	2	20
4-Methyl-2-pentanone (MIBK)	35.1	40.0	88	37.3	40.0	93	75-115	6	20
Toluene	11.4	10.0	114	11.0	10.0	110	85-118	4	20
trans-1,3-Dichloropropene	11.1	10.0	111	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.3	10.0	103	10.6	10.0	106	79-116	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300243
Date Extracted: 04/01/2003
Date Analyzed: 04/01/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300433

	Lab Control Sample XWG0300433-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300433-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.5	10.0	105	10.0	10.0	100	76-127	5	20
2-Hexanone	40.5	40.0	101	43.9	40.0	110	65-120	8	20
1,3-Dichloropropane	10.9	10.0	109	11.0	10.0	110	81-116	1	20
Dibromochloromethane	10.0	10.0	100	9.98	10.0	100	77-119	0	20
1,2-Dibromoethane	10.2	10.0	102	10.4	10.0	104	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.99	10.0	100	84-114	2	20
1,1,1,2-Tetrachloroethane	9.89	10.0	99	9.69	10.0	97	78-118	2	20
Ethylbenzene	11.5	10.0	115	10.9	10.0	109	79-124	5	20
m,p-Xylenes	21.8	20.0	109	21.1	20.0	105	75-131	3	20
o-Xylene	10.4	10.0	104	10.1	10.0	101	78-122	3	20
Styrene	10.9	10.0	109	10.6	10.0	106	80-126	3	20
Isopropylbenzene	11.1	10.0	111	10.4	10.0	104	75-126	6	20
Bromobenzene	10.1	10.0	101	9.95	10.0	100	82-122	2	20
1,2,3-Trichloropropane	10.6	10.0	106	11.0	10.0	110	77-118	4	20
n-Propylbenzene	12.0	10.0	120	11.3	10.0	113	75-129	6	20
2-Chlorotoluene	11.7	10.0	117	11.3	10.0	113	77-126	3	20
4-Chlorotoluene	11.5	10.0	115	11.2	10.0	112	82-120	3	20
1,3,5-Trimethylbenzene	11.4	10.0	114	10.9	10.0	109	75-130	5	20
tert-Butylbenzene	11.8	10.0	118	11.2	10.0	112	73-130	5	20
1,2,4-Trimethylbenzene	11.4	10.0	114	11.0	10.0	110	60-137	3	20
sec-Butylbenzene	11.1	10.0	111	10.6	10.0	106	68-131	5	20
1,3-Dichlorobenzene	10.2	10.0	102	9.99	10.0	100	71-137	2	20
4-Isopropyltoluene	11.9	10.0	119	11.3	10.0	113	68-134	5	20
Bromoform	9.06	10.0	91	9.26	10.0	93	70-118	2	20
1,1,2,2-Tetrachloroethane	10.1	10.0	101	10.4	10.0	104	72-122	3	20
1,4-Dichlorobenzene	10.1	10.0	101	9.94	10.0	99	82-114	1	20
1,2-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	81-118	1	20
n-Butylbenzene	11.7	10.0	117	11.2	10.0	112	71-125	5	20
1,2-Dibromo-3-chloropropane	8.52	10.0	85	10.2	10.0	102	55-131	18	20
1,2,4-Trichlorobenzene	9.34	10.0	93	9.41	10.0	94	75-123	1	20
Hexachlorobutadiene	10.8	10.0	108	10.8	10.0	108	63-140	0	20
Naphthalene	8.92	10.0	89	9.45	10.0	95	67-125	6	20
1,2,3-Trichlorobenzene	9.48	10.0	95	9.74	10.0	97	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 1, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 20, 2003. For your reference, these analyses have been assigned our service request number L2300633.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

000046

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

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COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA

Service Request : L2300633

Sample Name :	Lab Code :
Laboratory Control Sample	L2300326-LCS
Method Blank	L2300326-MB
AVB86-0100-04111	L2300633-001
AVB89-0100-04000	L2300633-002
AVB89-0100-04000	L2300633-002S
AVB89-0100-04000	L2300633-002SD
AVB90-0100-04000	L2300633-003
AVB89-0102-04000	L2300633-004
AVB111-0100-01103	L2300633-005
AVB111-0104-1000	L2300633-006

Approved By: Sue Anderson Date: 4/1/03

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB86-0100-04111
Lab Code : L2300633-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB86-0100-04111
Lab Code : L2300633-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB89-0100-04000
Lab Code : L2300633-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	19	

000051

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB89-0100-04000
Lab Code : L2300633-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

060052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB90-0100-04000
Lab Code : L2300633-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000053

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB90-0100-04000
Lab Code : L2300633-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB89-0102-04000
Lab Code : L2300633-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	17	

060955

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB89-0102-04000
Lab Code : L2300633-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000956

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB111-0100-01103
Lab Code : L2300633-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	11	

000057

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB111-0100-01103
Lab Code : L2300633-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000058

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : 03/26/03

Total Metals

Sample Name : AVB111-0104-1000
Lab Code : L2300633-006

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000959

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : 03/20/03
Date Received : 03/20/03
Date Extracted : NA

Dissolved Metals

Sample Name : AVB111-0104-1000
Lab Code : L2300633-006

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000060

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : NA
Date Received : NA
Date Extracted : 03/26/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300326-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/28/03	ND	

000061

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300633
Date Collected : NA
Date Received : NA
Date Extracted : 03/26/03
Date Analyzed : 03/28/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300326-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	523	105	87-111	

060062

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300633
Project Name :	WVB	**Date Collected :**	03/20/03
Project No. :	NA	**Date Received :**	03/20/03
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/28/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	AVB89-0100-04000		**Units :**	ug/L (ppb)
Lab Code :	L2300633-002S	L2300633-002SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	19.3	534	520	103	100	87-105	3	

000063

Columbia Analytical Services INC.
An Employee - Owned Company

L2300633

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3·20·03 PAGE 1 OF 1

PROJECT NAME WVB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Be+K

PHONE/FAX

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 — LL	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB86-0100-04111	3·20·03	7:45	0243-001	AQ	HCl HNO3	5		3											1	1			
AVB89-0100-04000	"	8:45	002	"	"	10		6											2	2			MS/DMS
AVB90-0100-04000	"	8·20	003	"	"	5		3											1	1			
AVB89-0102-04000	"	9:00	004	"	"	5		3											1	1			
AVB111-0100-01103	"	10:45	005	"	"	5		3											1	1			
AVB111-0104-1000	"	11:30	006	"	"	5		3											1	1			
~~AVB111-0102-1000~~	"	—	007	"	HCl	1		1															
LL																							

SPECIAL INSTRUCTIONS/COMMENTS:
Extra samples taken for AVB89-0100-04000 for MS/MSD

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA: Fed Ex
Shipping #:
Condition:
Lab No: X23-00243

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Be+K	3·20·03 1200	Leslie May	CAS	3-20-03 1200
Leslie May	CAS	3-20-03 16:00	Fedex		
Fedex				CAS	3/21/03 0907

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

Temp 4.0 °C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0633 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 2 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1, -3 → -6 = 1-500ml Pl (NP) A
1-500ml Pl (HNO3) B

-2 = 2-500ml Pl (NP) AB
2-500ml Pl (HNO3) CD

Comments

~~Diss~~ Filter & preserve diss metal bottle in lab

Initials, Date, Time LF 3/21/03 1005 SW 3/21/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000065

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.20.03 PAGE 1 OF 1

PROJECT NAME WVB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beak

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB86-0100-04111	3.20.03	7:45	0243-001	AQ	HCl HNO3	5		3											1	1			
AVB89-0100-04000	"	8:45	002	"	"	10		6											2	2			MS/DMS
AVB90-0100-04000	"	8:20	003	"	"	5		3											1	1			
AVB89-0102-04000	"	9:00	004	"	"	5		3											1	1			
AVB111-0100-01103	"	10:45	005	"	"	5		3											1	1			
AVB111-0104-1000	"	11:30	006	"	"	5		3											1	1			
AVB111-0102-1000	"	—	007	"	HCl	1		1															

ANALYSIS REQUESTED

SPECIAL INSTRUCTIONS/COMMENTS:
Extra samples taken for AVB89-0100-04000 for MS/MSD

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00243

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beak	1200 3.20.03	Leslie May	CAS	3-20-03 1200
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

Temp 4.0 °C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0243

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: Ternanext

Sample(s) Received on: 3-20-03 date 1155 time
VOA's ☐ Glass Bottles ☐ Plastic Bottles ☐ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 4.0 °C		

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

000067

Columbia Analytical Services INC.
An Employee-Owned Company

March 27, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: Re: WVBA/ #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 10, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300521). For your reference, the 8260B analyses have been assigned our service request number X2300196.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L Dutton

Tracy L. Dutton
Laboratory Director

TLD/td

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300196
Project:	WVBA/#03103154	**Date Received:**	3/10/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery for Dichlorodifluoromethane and 2-Hexanone for Method 8260B on 3/14/03 was below method acceptance limits. These compounds were recovered within CCV cceptance limits in the LCS/DLCS. This verifies that the compounds can be accurately analyzed and quantitated.

CCV recovery for Dichlorodifluoromethane , 2-Hexanone and tert-Butylbenzene for Method 8260B on 3/18/03 was below method acceptance limits. These compounds were seen in the method reporting limit standard that was analyzed with this batch of samples. This verifies that the compounds would be detected if present in the samples.

Matrix spike recovery for Carbon Disulfide, Isopropylbenzene and Hexachlorobutadiene for XWG0300346 for 8260B was high, the method control sample recovery was acceptable.

The accuracy of the spike recovery value for Tetrachloroethene is reduced since the analyte concentration in the sample XWG0300346 for 8260B is disproportionate to spike level. The method control sample recovery was acceptable.

Matrix spike recovery for Methylene Chloride and Hexachlorobutadiene for XWG0300353 for 8260B was high, the method control sample recovery was acceptable.

Matrix spike recovery for 2-Butanone for XWG0300353 for 8260B was low, the method control sample recovery was acceptable.

The associated blank spike recovery for 2-Butanone and 1,1,2-Trichlorotrifluoroethne for 8260B was below laboratory acceptance limits. The duplicate analysis was within acceptance limits.

LCS/DLCS RPD exceeded the laboratory control limit for Chloroethane and 2-Butanone for 8260B on 3/18/03. The recoveries met acceptance limits.

Approved by _____ **Date** 3-27-03

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVBA/#03103154

Service Request: X2300196

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB92-0100-03130	X2300196-001	03/10/2003	03/10/2003
AVB74-0100-07088	X2300196-002	03/10/2003	03/10/2003
AVB29-0100-19111	X2300196-003	03/10/2003	03/10/2003
AVB71-0100-07125	X2300196-004	03/10/2003	03/10/2003
AVB71-0104-1000	X2300196-005	03/10/2003	03/10/2003
AVB71-0102-1000	X2300196-006	03/10/2003	03/10/2003
AVB92-0100-03130MS	XWG0300346-4	03/10/2003	03/10/2003
AVB92-0100-03130DMS	XWG0300346-5	03/10/2003	03/10/2003
AVB74-0100-07088MS	XWG0300353-4	03/10/2003	03/10/2003
AVB74-0100-07088DMS	XWG0300353-5	03/10/2003	03/10/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 3-27-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB92-0100-03130
Lab Code: X2300196-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/14/03	03/14/03	N1V4
Chloromethane	ND	U	2.0	1	03/14/03	03/14/03	
Vinyl Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Bromomethane	ND	U	1.0	1	03/14/03	03/14/03	
Chloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Trichlorofluoromethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1-Dichloroethene	ND	U	1.0	1	03/14/03	03/14/03	
Acetone	ND	U	10	1	03/14/03	03/14/03	
Iodomethane	ND	U	2.0	1	03/14/03	03/14/03	
Carbon Disulfide	ND	U	2.0	1	03/14/03	03/14/03	
Methylene Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/14/03	03/14/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Vinyl Acetate	ND	U	3.0	1	03/14/03	03/14/03	
2,2-Dichloropropane	ND	U	2.0	1	03/14/03	03/14/03	
2-Butanone (MEK)	ND	U	8.0	1	03/14/03	03/14/03	
cis-1,2-Dichloroethene	**0.64**		0.50	1	03/14/03	03/14/03	
Bromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
Chloroform	**2.2**		1.0	1	03/14/03	03/14/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Carbon Tetrachloride	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
Benzene	**6.4**		0.50	1	03/14/03	03/14/03	
1,2-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Trichloroethene	**1.0**		0.50	1	03/14/03	03/14/03	
1,2-Dichloropropane	ND	U	0.50	1	03/14/03	03/14/03	
Dibromomethane	ND	U	0.50	1	03/14/03	03/14/03	
Bromodichloromethane	**1.1**		0.50	1	03/14/03	03/14/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/14/03	03/14/03	
Toluene	**0.68**		0.50	1	03/14/03	03/14/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB92-0100-03130
Lab Code: X2300196-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Tetrachloroethene	**130**	D	5.0	10	03/14/03	03/14/03	D2
2-Hexanone	ND	U	5.0	1	03/14/03	03/14/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
Dibromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromoethane	ND	U	0.50	1	03/14/03	03/14/03	
Chlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Ethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
m,p-Xylenes	ND	U	1.0	1	03/14/03	03/14/03	
o-Xylene	ND	U	0.50	1	03/14/03	03/14/03	
Styrene	ND	U	0.50	1	03/14/03	03/14/03	
Isopropylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
Bromobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
n-Propylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
2-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
4-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
tert-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
sec-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
4-Isopropyltoluene	ND	U	0.50	1	03/14/03	03/14/03	
Bromoform	ND	U	0.50	1	03/14/03	03/14/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
n-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/14/03	03/14/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
Hexachlorobutadiene	ND	U	0.50	1	03/14/03	03/14/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300196
Project:	WVBA/#03103154	**Date Collected:**	03/10/2003
Sample Matrix:	Water	**Date Received:**	03/10/2003

Volatile Organic Compounds

Sample Name:	AVB92-0100-03130	**Units:**	ug/L
Lab Code:	X2300196-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/14/03	03/14/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/14/03	
Toluene-d8	117	68-126	03/14/03	
4-Bromofluorobenzene	111	79-113	03/14/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/18/03	03/18/03	N1V4
Chloromethane	ND	U	2.0	1	03/18/03	03/18/03	
Vinyl Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Bromomethane	ND	U	1.0	1	03/18/03	03/18/03	
Chloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Trichlorofluoromethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1-Dichloroethene	ND	U	1.0	1	03/18/03	03/18/03	
Acetone	ND	U	10	1	03/18/03	03/18/03	
Iodomethane	ND	U	2.0	1	03/18/03	03/18/03	
Carbon Disulfide	ND	U	2.0	1	03/18/03	03/18/03	
Methylene Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/18/03	03/18/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Vinyl Acetate	ND	U	3.0	1	03/18/03	03/18/03	
2,2-Dichloropropane	ND	U	2.0	1	03/18/03	03/18/03	
2-Butanone (MEK)	ND	U	8.0	1	03/18/03	03/18/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
Bromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
Chloroform	**2.6**		1.0	1	03/18/03	03/18/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Carbon Tetrachloride	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
Benzene	**0.95**		0.50	1	03/18/03	03/18/03	
1,2-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Trichloroethene	**1.2**		0.50	1	03/18/03	03/18/03	
1,2-Dichloropropane	ND	U	0.50	1	03/18/03	03/18/03	
Dibromomethane	ND	U	0.50	1	03/18/03	03/18/03	
Bromodichloromethane	**0.72**		0.50	1	03/18/03	03/18/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/18/03	03/18/03	
Toluene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Tetrachloroethene	**2.9**		0.50	1	03/18/03	03/18/03	
2-Hexanone	ND	U	5.0	1	03/18/03	03/18/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
Dibromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromoethane	ND	U	0.50	1	03/18/03	03/18/03	
Chlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Ethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
m,p-Xylenes	ND	U	1.0	1	03/18/03	03/18/03	
o-Xylene	ND	U	0.50	1	03/18/03	03/18/03	
Styrene	ND	U	0.50	1	03/18/03	03/18/03	
Isopropylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
Bromobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
n-Propylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
2-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
4-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
tert-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	N1V4
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
sec-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
4-Isopropyltoluene	ND	U	0.50	1	03/18/03	03/18/03	
Bromoform	ND	U	0.50	1	03/18/03	03/18/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
n-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/18/03	03/18/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
Hexachlorobutadiene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/18/03	03/18/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	94	84-113	03/18/03	
Toluene-d8	111	68-126	03/18/03	
4-Bromofluorobenzene	94	79-113	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB29-0100-19111
Lab Code: X2300196-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/18/03	03/18/03	N1V4
Chloromethane	ND	U	2.0	1	03/18/03	03/18/03	
Vinyl Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Bromomethane	ND	U	1.0	1	03/18/03	03/18/03	
Chloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Trichlorofluoromethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1-Dichloroethene	ND	U	1.0	1	03/18/03	03/18/03	
Acetone	ND	U	10	1	03/18/03	03/18/03	
Iodomethane	ND	U	2.0	1	03/18/03	03/18/03	
Carbon Disulfide	ND	U	2.0	1	03/18/03	03/18/03	
Methylene Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/18/03	03/18/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Vinyl Acetate	ND	U	3.0	1	03/18/03	03/18/03	
2,2-Dichloropropane	ND	U	2.0	1	03/18/03	03/18/03	
2-Butanone (MEK)	ND	U	8.0	1	03/18/03	03/18/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
Bromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
Chloroform	**2.9**		1.0	1	03/18/03	03/18/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Carbon Tetrachloride	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
Benzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Trichloroethene	**1.6**		0.50	1	03/18/03	03/18/03	
1,2-Dichloropropane	ND	U	0.50	1	03/18/03	03/18/03	
Dibromomethane	ND	U	0.50	1	03/18/03	03/18/03	
Bromodichloromethane	**0.79**		0.50	1	03/18/03	03/18/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/18/03	03/18/03	
Toluene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB29-0100-19111
Lab Code: X2300196-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Tetrachloroethene	**2.6**		0.50	1	03/18/03	03/18/03	
2-Hexanone	ND	U	5.0	1	03/18/03	03/18/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
Dibromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromoethane	ND	U	0.50	1	03/18/03	03/18/03	
Chlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Ethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
m,p-Xylenes	ND	U	1.0	1	03/18/03	03/18/03	
o-Xylene	ND	U	0.50	1	03/18/03	03/18/03	
Styrene	ND	U	0.50	1	03/18/03	03/18/03	
Isopropylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
Bromobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
n-Propylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
2-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
4-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
tert-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	N1V4
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
sec-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
4-Isopropyltoluene	ND	U	0.50	1	03/18/03	03/18/03	
Bromoform	ND	U	0.50	1	03/18/03	03/18/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
n-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/18/03	03/18/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
Hexachlorobutadiene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB29-0100-19111
Lab Code: X2300196-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/18/03	03/18/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	97	84-113	03/18/03	
Toluene-d8	106	68-126	03/18/03	
4-Bromofluorobenzene	97	79-113	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0100-07125
Lab Code: X2300196-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/18/03	03/18/03	N1V4
Chloromethane	ND	U	2.0	1	03/18/03	03/18/03	
Vinyl Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Bromomethane	ND	U	1.0	1	03/18/03	03/18/03	
Chloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Trichlorofluoromethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1-Dichloroethene	ND	U	1.0	1	03/18/03	03/18/03	
Acetone	ND	U	10	1	03/18/03	03/18/03	
Iodomethane	ND	U	2.0	1	03/18/03	03/18/03	
Carbon Disulfide	ND	U	2.0	1	03/18/03	03/18/03	
Methylene Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/18/03	03/18/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Vinyl Acetate	ND	U	3.0	1	03/18/03	03/18/03	
2,2-Dichloropropane	ND	U	2.0	1	03/18/03	03/18/03	
2-Butanone (MEK)	ND	U	8.0	1	03/18/03	03/18/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
Bromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
Chloroform	ND	U	1.0	1	03/18/03	03/18/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Carbon Tetrachloride	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
Benzene	**1.3**		0.50	1	03/18/03	03/18/03	
1,2-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Trichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloropropane	ND	U	0.50	1	03/18/03	03/18/03	
Dibromomethane	ND	U	0.50	1	03/18/03	03/18/03	
Bromodichloromethane	ND	U	0.50	1	03/18/03	03/18/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/18/03	03/18/03	
Toluene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0100-07125
Lab Code: X2300196-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Tetrachloroethene	ND	U	0.50	1	03/18/03	03/18/03	
2-Hexanone	ND	U	5.0	1	03/18/03	03/18/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
Dibromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromoethane	ND	U	0.50	1	03/18/03	03/18/03	
Chlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Ethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
m,p-Xylenes	ND	U	1.0	1	03/18/03	03/18/03	
o-Xylene	ND	U	0.50	1	03/18/03	03/18/03	
Styrene	ND	U	0.50	1	03/18/03	03/18/03	
Isopropylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
Bromobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
n-Propylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
2-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
4-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
tert-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	N1V4
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
sec-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
4-Isopropyltoluene	ND	U	0.50	1	03/18/03	03/18/03	
Bromoform	ND	U	0.50	1	03/18/03	03/18/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
n-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/18/03	03/18/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
Hexachlorobutadiene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0100-07125
Lab Code: X2300196-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/18/03	03/18/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	97	84-113	03/18/03	
Toluene-d8	107	68-126	03/18/03	
4-Bromofluorobenzene	94	79-113	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0104-1000
Lab Code: X2300196-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/18/03	03/18/03	N1V4
Chloromethane	ND	U	2.0	1	03/18/03	03/18/03	
Vinyl Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Bromomethane	ND	U	1.0	1	03/18/03	03/18/03	
Chloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Trichlorofluoromethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1-Dichloroethene	ND	U	1.0	1	03/18/03	03/18/03	
Acetone	ND	U	10	1	03/18/03	03/18/03	
Iodomethane	ND	U	2.0	1	03/18/03	03/18/03	
Carbon Disulfide	ND	U	2.0	1	03/18/03	03/18/03	
Methylene Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/18/03	03/18/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Vinyl Acetate	ND	U	3.0	1	03/18/03	03/18/03	
2,2-Dichloropropane	ND	U	2.0	1	03/18/03	03/18/03	
2-Butanone (MEK)	ND	U	8.0	1	03/18/03	03/18/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
Bromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
Chloroform	ND	U	1.0	1	03/18/03	03/18/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Carbon Tetrachloride	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
Benzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Trichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloropropane	ND	U	0.50	1	03/18/03	03/18/03	
Dibromomethane	ND	U	0.50	1	03/18/03	03/18/03	
Bromodichloromethane	ND	U	0.50	1	03/18/03	03/18/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/18/03	03/18/03	
Toluene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0104-1000
Lab Code: X2300196-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Tetrachloroethene	ND	U	0.50	1	03/18/03	03/18/03	
2-Hexanone	ND	U	5.0	1	03/18/03	03/18/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
Dibromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromoethane	ND	U	0.50	1	03/18/03	03/18/03	
Chlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Ethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
m,p-Xylenes	ND	U	1.0	1	03/18/03	03/18/03	
o-Xylene	ND	U	0.50	1	03/18/03	03/18/03	
Styrene	ND	U	0.50	1	03/18/03	03/18/03	
Isopropylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
Bromobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
n-Propylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
2-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
4-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
tert-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	N1V4
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
sec-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
4-Isopropyltoluene	ND	U	0.50	1	03/18/03	03/18/03	
Bromoform	ND	U	0.50	1	03/18/03	03/18/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
n-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/18/03	03/18/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
Hexachlorobutadiene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0104-1000
Lab Code: X2300196-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/18/03	03/18/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	95	84-113	03/18/03	
Toluene-d8	110	68-126	03/18/03	
4-Bromofluorobenzene	91	79-113	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0102-1000
Lab Code: X2300196-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/14/03	03/14/03	N1V4
Chloromethane	ND	U	2.0	1	03/14/03	03/14/03	
Vinyl Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Bromomethane	ND	U	1.0	1	03/14/03	03/14/03	
Chloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Trichlorofluoromethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1-Dichloroethene	ND	U	1.0	1	03/14/03	03/14/03	
Acetone	ND	U	10	1	03/14/03	03/14/03	
Iodomethane	ND	U	2.0	1	03/14/03	03/14/03	
Carbon Disulfide	ND	U	2.0	1	03/14/03	03/14/03	
Methylene Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/14/03	03/14/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Vinyl Acetate	ND	U	3.0	1	03/14/03	03/14/03	
2,2-Dichloropropane	ND	U	2.0	1	03/14/03	03/14/03	
2-Butanone (MEK)	ND	U	8.0	1	03/14/03	03/14/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
Bromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
Chloroform	ND	U	1.0	1	03/14/03	03/14/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Carbon Tetrachloride	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
Benzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Trichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichloropropane	ND	U	0.50	1	03/14/03	03/14/03	
Dibromomethane	ND	U	0.50	1	03/14/03	03/14/03	
Bromodichloromethane	ND	U	0.50	1	03/14/03	03/14/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/14/03	03/14/03	
Toluene	ND	U	0.50	1	03/14/03	03/14/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0102-1000
Lab Code: X2300196-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Tetrachloroethene	ND	U	0.50	1	03/14/03	03/14/03	
2-Hexanone	ND	U	5.0	1	03/14/03	03/14/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
Dibromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromoethane	ND	U	0.50	1	03/14/03	03/14/03	
Chlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Ethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
m,p-Xylenes	ND	U	1.0	1	03/14/03	03/14/03	
o-Xylene	ND	U	0.50	1	03/14/03	03/14/03	
Styrene	ND	U	0.50	1	03/14/03	03/14/03	
Isopropylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
Bromobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
n-Propylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
2-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
4-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
tert-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
sec-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
4-Isopropyltoluene	ND	U	0.50	1	03/14/03	03/14/03	
Bromoform	ND	U	0.50	1	03/14/03	03/14/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
n-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/14/03	03/14/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
Hexachlorobutadiene	ND	U	0.50	1	03/14/03	03/14/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: 03/10/2003
Date Received: 03/10/2003

Volatile Organic Compounds

Sample Name: AVB71-0102-1000
Lab Code: X2300196-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/14/03	03/14/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/14/03	
Toluene-d8	116	68-126	03/14/03	
4-Bromofluorobenzene	109	79-113	03/14/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300346-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/14/03	03/14/03	N1V4
Chloromethane	ND	U	2.0	1	03/14/03	03/14/03	
Vinyl Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Bromomethane	ND	U	1.0	1	03/14/03	03/14/03	
Chloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Trichlorofluoromethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,1-Dichloroethene	ND	U	1.0	1	03/14/03	03/14/03	
Acetone	ND	U	10	1	03/14/03	03/14/03	
Iodomethane	ND	U	2.0	1	03/14/03	03/14/03	
Carbon Disulfide	ND	U	2.0	1	03/14/03	03/14/03	
Methylene Chloride	ND	U	1.0	1	03/14/03	03/14/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/14/03	03/14/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Vinyl Acetate	ND	U	3.0	1	03/14/03	03/14/03	
2,2-Dichloropropane	ND	U	2.0	1	03/14/03	03/14/03	
2-Butanone (MEK)	ND	U	8.0	1	03/14/03	03/14/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
Bromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
Chloroform	ND	U	1.0	1	03/14/03	03/14/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Carbon Tetrachloride	ND	U	0.50	1	03/14/03	03/14/03	
1,1-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
Benzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Trichloroethene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichloropropane	ND	U	0.50	1	03/14/03	03/14/03	
Dibromomethane	ND	U	0.50	1	03/14/03	03/14/03	
Bromodichloromethane	ND	U	0.50	1	03/14/03	03/14/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/14/03	03/14/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/14/03	03/14/03	
Toluene	ND	U	0.50	1	03/14/03	03/14/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300346-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/14/03	03/14/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/14/03	03/14/03	
Tetrachloroethene	ND	U	0.50	1	03/14/03	03/14/03	
2-Hexanone	ND	U	5.0	1	03/14/03	03/14/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
Dibromochloromethane	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromoethane	ND	U	0.50	1	03/14/03	03/14/03	
Chlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/14/03	03/14/03	
Ethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
m,p-Xylenes	ND	U	1.0	1	03/14/03	03/14/03	
o-Xylene	ND	U	0.50	1	03/14/03	03/14/03	
Styrene	ND	U	0.50	1	03/14/03	03/14/03	
Isopropylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
Bromobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/14/03	03/14/03	
n-Propylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
2-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
4-Chlorotoluene	ND	U	0.50	1	03/14/03	03/14/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
tert-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
sec-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
4-Isopropyltoluene	ND	U	0.50	1	03/14/03	03/14/03	
Bromoform	ND	U	0.50	1	03/14/03	03/14/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/14/03	03/14/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
n-Butylbenzene	ND	U	0.50	1	03/14/03	03/14/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/14/03	03/14/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	
Hexachlorobutadiene	ND	U	0.50	1	03/14/03	03/14/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300346-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/14/03	03/14/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/14/03	03/14/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/14/03	
Toluene-d8	116	68-126	03/14/03	
4-Bromofluorobenzene	112	79-113	03/14/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300353-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/18/03	03/18/03	N1V4
Chloromethane	ND	U	2.0	1	03/18/03	03/18/03	
Vinyl Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Bromomethane	ND	U	1.0	1	03/18/03	03/18/03	
Chloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Trichlorofluoromethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,1-Dichloroethene	ND	U	1.0	1	03/18/03	03/18/03	
Acetone	ND	U	10	1	03/18/03	03/18/03	
Iodomethane	ND	U	2.0	1	03/18/03	03/18/03	
Carbon Disulfide	ND	U	2.0	1	03/18/03	03/18/03	
Methylene Chloride	ND	U	1.0	1	03/18/03	03/18/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/18/03	03/18/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Vinyl Acetate	ND	U	3.0	1	03/18/03	03/18/03	
2,2-Dichloropropane	ND	U	2.0	1	03/18/03	03/18/03	
2-Butanone (MEK)	ND	U	8.0	1	03/18/03	03/18/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
Bromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
Chloroform	ND	U	1.0	1	03/18/03	03/18/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Carbon Tetrachloride	ND	U	0.50	1	03/18/03	03/18/03	
1,1-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
Benzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Trichloroethene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichloropropane	ND	U	0.50	1	03/18/03	03/18/03	
Dibromomethane	ND	U	0.50	1	03/18/03	03/18/03	
Bromodichloromethane	ND	U	0.50	1	03/18/03	03/18/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/18/03	03/18/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/18/03	03/18/03	
Toluene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300353-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/18/03	03/18/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/18/03	03/18/03	
Tetrachloroethene	ND	U	0.50	1	03/18/03	03/18/03	
2-Hexanone	ND	U	5.0	1	03/18/03	03/18/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
Dibromochloromethane	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromoethane	ND	U	0.50	1	03/18/03	03/18/03	
Chlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/18/03	03/18/03	
Ethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
m,p-Xylenes	ND	U	1.0	1	03/18/03	03/18/03	
o-Xylene	ND	U	0.50	1	03/18/03	03/18/03	
Styrene	ND	U	0.50	1	03/18/03	03/18/03	
Isopropylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
Bromobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/18/03	03/18/03	
n-Propylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
2-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
4-Chlorotoluene	ND	U	0.50	1	03/18/03	03/18/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
tert-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	N1V4
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
sec-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
4-Isopropyltoluene	ND	U	0.50	1	03/18/03	03/18/03	
Bromoform	ND	U	0.50	1	03/18/03	03/18/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/18/03	03/18/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
n-Butylbenzene	ND	U	0.50	1	03/18/03	03/18/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/18/03	03/18/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	
Hexachlorobutadiene	ND	U	0.50	1	03/18/03	03/18/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300353-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/18/03	03/18/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/18/03	03/18/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	91	84-113	03/18/03	
Toluene-d8	101	68-126	03/18/03	
4-Bromofluorobenzene	91	79-113	03/18/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB92-0100-03130	X2300196-001	103	117	111
AVB74-0100-07088	X2300196-002	94	111	94
AVB29-0100-19111	X2300196-003	97	106	97
AVB71-0100-07125	X2300196-004	97	107	94
AVB71-0104-1000	X2300196-005	95	110	91
AVB71-0102-1000	X2300196-006	102	116	109
Method Blank	XWG0300346-3	101	116	112
Method Blank	XWG0300353-3	91	101	91
AVB92-0100-03130MS	XWG0300346-4	104	116	112
AVB92-0100-03130DMS	XWG0300346-5	103	118	113
AVB74-0100-07088MS	XWG0300353-4	98	115	106
AVB74-0100-07088DMS	XWG0300353-5	95	112	99
Lab Control Sample	XWG0300346-1	103	116	111
Duplicate Lab Control Sample	XWG0300346-2	105	117	113
Lab Control Sample	XWG0300353-1	92	104	98
Duplicate Lab Control Sample	XWG0300353-2	92	101	96

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/14/2003
Date Analyzed: 03/14/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB92-0100-03130
Lab Code: X2300196-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300346

Analyte Name	Sample Result	AVB92-0100-03130MS XWG0300346-4 Matrix Spike				AVB92-0100-03130DMS XWG0300346-5 Duplicate Matrix Spike				%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec		Result	Expected	%Rec				
Dichlorodifluoromethane	ND	11.6	10.0	116		11.0	10.0	110		78-207	5	20
Chloromethane	ND	9.90	10.0	99		9.31	10.0	93		70-157	6	20
Vinyl Chloride	ND	11.2	10.0	112		10.4	10.0	104		79-174	7	20
Bromomethane	ND	7.46	10.0	75		7.07	10.0	71		44-150	5	20
Chloroethane	ND	10.6	10.0	106		10.1	10.0	101		74-150	5	20
Trichlorofluoromethane	ND	11.1	10.0	111		10.5	10.0	105		80-134	6	20
1,1,2-Trichlorotrifluoroethane	ND	10.5	10.0	105		9.67	10.0	97		67-128	8	20
1,1-Dichloroethene	ND	11.1	10.0	111		10.4	10.0	104		71-142	7	20
Acetone	ND	38.7	40.0	97		38.4	40.0	96		1-155	1	20
Iodomethane	ND	37.8	40.0	94		36.1	40.0	90		47-120	4	20
Carbon Disulfide	ND	51.0	40.0	127	M1	47.8	40.0	120		77-126	6	20
Methylene Chloride	ND	10.5	10.0	105		10.2	10.0	102		83-106	3	20
Methyl tert-Butyl Ether	ND	9.51	10.0	95		9.54	10.0	95		70-118	0	20
trans-1,2-Dichloroethene	ND	10.5	10.0	105		9.90	10.0	99		86-115	6	20
1,1-Dichloroethane	ND	10.9	10.0	109		10.4	10.0	104		77-127	5	20
Vinyl Acetate	ND	47.2	40.0	118		49.0	40.0	123		8-187	4	20
2,2-Dichloropropane	ND	11.3	10.0	113		10.6	10.0	106		25-154	7	20
2-Butanone (MEK)	ND	36.6	40.0	92		36.4	40.0	91		90-112	1	20
cis-1,2-Dichloroethene	0.64	11.2	10.0	106		10.7	10.0	101		69-118	5	20
Bromochloromethane	ND	10.2	10.0	102		10.2	10.0	102		47-136	0	20
Chloroform	2.2	12.6	10.0	105		12.1	10.0	100		48-143	4	20
1,1,1-Trichloroethane	ND	10.4	10.0	104		9.97	10.0	100		84-122	5	20
Carbon Tetrachloride	ND	11.2	10.0	112		10.5	10.0	105		79-120	6	20
1,1-Dichloropropene	ND	11.4	10.0	114		10.8	10.0	108		85-117	5	20
Benzene	6.4	17.5	10.0	111		16.9	10.0	105		88-114	4	20
1,2-Dichloroethane	ND	9.41	10.0	94		9.35	10.0	94		75-112	1	20
Trichloroethene	1.0	11.9	10.0	109		11.4	10.0	104		76-115	4	20
1,2-Dichloropropane	ND	10.1	10.0	101		9.83	10.0	98		85-107	3	20
Dibromomethane	ND	9.55	10.0	96		9.71	10.0	97		82-106	2	20
Bromodichloromethane	1.1	10.8	10.0	98		10.5	10.0	94		83-107	3	20
cis-1,3-Dichloropropene	ND	10.6	10.0	106		10.2	10.0	102		70-114	4	20
4-Methyl-2-pentanone (MIBK)	ND	35.8	40.0	89		37.4	40.0	93		54-129	4	20
Toluene	0.68	11.5	10.0	109		11.2	10.0	105		86-114	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/14/2003
Date Analyzed: 03/14/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB92-0100-03130
Lab Code: X2300196-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300346

Analyte Name	Sample Result	AVB92-0100-03130MS XWG0300346-4 Matrix Spike			AVB92-0100-03130DMS XWG0300346-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	10.1	10.0	101	9.96	10.0	100	73-112	1	20
1,1,2-Trichloroethane	ND	9.44	10.0	94	9.73	10.0	97	79-112	3	20
Tetrachloroethene	130	182E	10.0	523 M3	175E	10.0	457 M3	78-130	4	20
2-Hexanone	ND	35.9	40.0	90	37.8	40.0	95	77-112	5	20
1,3-Dichloropropane	ND	10.0	10.0	100	10.1	10.0	101	45-133	1	20
Dibromochloromethane	ND	10.1	10.0	101	9.94	10.0	99	74-108	2	20
1,2-Dibromoethane	ND	9.73	10.0	97	9.85	10.0	99	73-113	1	20
Chlorobenzene	ND	10.4	10.0	104	10.0	10.0	100	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	9.78	10.0	98	9.55	10.0	96	84-119	2	20
Ethylbenzene	ND	11.5	10.0	115	11.1	10.0	111	47-136	3	20
m,p-Xylenes	ND	21.8	20.0	109	21.4	20.0	107	84-120	2	20
o-Xylene	ND	11.0	10.0	110	10.6	10.0	106	47-143	3	20
Styrene	ND	10.5	10.0	105	10.3	10.0	103	72-121	2	20
Isopropylbenzene	ND	10.9	10.0	109 M1	10.5	10.0	105	63-108	4	20
Bromobenzene	ND	9.97	10.0	100	9.84	10.0	98	80-113	1	20
1,2,3-Trichloropropane	ND	8.65	10.0	87	8.87	10.0	89	78-119	3	20
n-Propylbenzene	ND	11.1	10.0	111	10.7	10.0	107	76-117	4	20
2-Chlorotoluene	ND	10.4	10.0	104	10.3	10.0	103	79-121	2	20
4-Chlorotoluene	ND	10.4	10.0	104	10.1	10.0	101	70-133	3	20
1,3,5-Trimethylbenzene	ND	11.0	10.0	110	10.6	10.0	106	79-118	4	20
tert-Butylbenzene	ND	10.9	10.0	109	10.6	10.0	106	77-120	3	20
1,2,4-Trimethylbenzene	ND	10.9	10.0	109	10.6	10.0	106	68-127	3	20
sec-Butylbenzene	ND	10.8	10.0	108	10.5	10.0	105	78-123	3	20
1,3-Dichlorobenzene	ND	10.2	10.0	102	10.0	10.0	100	78-127	1	20
4-Isopropyltoluene	ND	10.9	10.0	109	10.5	10.0	105	79-142	3	20
Bromoform	ND	9.16	10.0	92	9.26	10.0	93	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	9.54	10.0	95	9.61	10.0	96	66-133	1	20
1,4-Dichlorobenzene	ND	10.4	10.0	104	10.2	10.0	102	48-139	2	20
1,2-Dichlorobenzene	ND	10.1	10.0	101	9.97	10.0	100	64-109	1	20
n-Butylbenzene	ND	11.1	10.0	111	10.9	10.0	109	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	8.19	10.0	82	8.47	10.0	85	54-160	3	20
1,2,4-Trichlorobenzene	ND	10.4	10.0	104	10.2	10.0	102	39-145	1	20
Hexachlorobutadiene	ND	12.3	10.0	123 M1	12.0	10.0	120 M1	74-113	3	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/14/2003
Date Analyzed: 03/14/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB92-0100-03130
Lab Code: X2300196-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300346

Analyte Name	Sample Result	AVB92-0100-03130MS XWG0300346-4 Matrix Spike			AVB92-0100-03130DMS XWG0300346-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	10.1	10.0	101	10.5	10.0	105	44-167	4	20
1,2,3-Trichlorobenzene	ND	10.6	10.0	106	10.8	10.0	108	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/18/2003
Date Analyzed: 03/18/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300353

Analyte Name	Sample Result	AVB74-0100-07088MS XWG0300353-4 Matrix Spike Result	Expected	%Rec	AVB74-0100-07088DMS XWG0300353-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	9.35	10.0	94	8.75	10.0	88	78-207	7	20
Chloromethane	ND	9.70	10.0	97	9.63	10.0	96	70-157	1	20
Vinyl Chloride	ND	11.6	10.0	116	10.7	10.0	107	79-174	8	20
Bromomethane	ND	12.5	10.0	125	11.5	10.0	115	44-150	9	20
Chloroethane	ND	11.8	10.0	118	10.7	10.0	107	74-150	9	20
Trichlorofluoromethane	ND	11.0	10.0	110	10.7	10.0	107	80-134	3	20
1,1,2-Trichlorotrifluoroethane	ND	10.8	10.0	108	10.1	10.0	101	67-128	7	20
1,1-Dichloroethene	ND	10.8	10.0	108	10.2	10.0	102	71-142	5	20
Acetone	ND	37.7	40.0	94	37.6	40.0	94	1-155	0	20
Iodomethane	ND	45.1	40.0	113	42.7	40.0	107	47-120	6	20
Carbon Disulfide	ND	46.6	40.0	116	43.2	40.0	108	77-126	7	20
Methylene Chloride	ND	11.6	10.0	116 M1	10.9	10.0	109 M1	83-106	6	20
Methyl tert-Butyl Ether	ND	9.20	10.0	92	9.13	10.0	91	70-118	1	20
trans-1,2-Dichloroethene	ND	10.7	10.0	107	10.1	10.0	101	86-115	6	20
1,1-Dichloroethane	ND	11.0	10.0	110	10.3	10.0	103	77-127	6	20
Vinyl Acetate	ND	39.1	40.0	98	36.9	40.0	92	8-187	6	20
2,2-Dichloropropane	ND	10.5	10.0	105	10.2	10.0	102	25-154	3	20
2-Butanone (MEK)	ND	36.5	40.0	91	33.9	40.0	85 M2	90-112	7	20
cis-1,2-Dichloroethene	ND	11.0	10.0	110	10.7	10.0	107	69-118	2	20
Bromochloromethane	ND	11.5	10.0	115	10.7	10.0	107	47-136	7	20
Chloroform	2.6	12.5	10.0	98	11.8	10.0	92	48-143	5	20
1,1,1-Trichloroethane	ND	9.58	10.0	96	9.19	10.0	92	84-122	4	20
Carbon Tetrachloride	ND	9.34	10.0	93	8.98	10.0	90	79-120	4	20
1,1-Dichloropropene	ND	10.3	10.0	103	9.80	10.0	98	85-117	5	20
Benzene	0.95	10.8	10.0	99	10.4	10.0	94	88-114	4	20
1,2-Dichloroethane	ND	9.06	10.0	91	8.70	10.0	87	75-112	4	20
Trichloroethene	1.2	12.0	10.0	109	11.9	10.0	107	76-115	1	20
1,2-Dichloropropane	ND	10.1	10.0	101	9.92	10.0	99	85-107	1	20
Dibromomethane	ND	9.24	10.0	92	9.44	10.0	94	82-106	2	20
Bromodichloromethane	0.72	9.68	10.0	90	9.65	10.0	89	83-107	0	20
cis-1,3-Dichloropropene	ND	9.52	10.0	95	9.57	10.0	96	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	37.1	40.0	93	39.6	40.0	99	54-129	7	20
Toluene	ND	11.0	10.0	110	10.7	10.0	107	86-114	3	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/18/2003
Date Analyzed: 03/18/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300353

Analyte Name	Sample Result	AVB74-0100-07088MS XWG0300353-4 Matrix Spike			AVB74-0100-07088DMS XWG0300353-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	9.43	10.0	94	9.43	10.0	94	73-112	0	20
1,1,2-Trichloroethane	ND	9.79	10.0	98	9.62	10.0	96	79-112	2	20
Tetrachloroethene	2.9	13.7	10.0	108	13.1	10.0	102	78-130	4	20
2-Hexanone	ND	32.7	40.0	82	33.9	40.0	85	77-112	4	20
1,3-Dichloropropane	ND	9.43	10.0	94	9.82	10.0	98	45-133	4	20
Dibromochloromethane	ND	9.78	10.0	98	9.60	10.0	96	74-108	2	20
1,2-Dibromoethane	ND	9.25	10.0	93	9.46	10.0	95	73-113	2	20
Chlorobenzene	ND	10.1	10.0	101	9.85	10.0	99	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	10.1	10.0	101	10.1	10.0	101	84-119	0	20
Ethylbenzene	ND	10.7	10.0	107	10.2	10.0	102	47-136	5	20
m,p-Xylenes	ND	21.7	20.0	108	21.2	20.0	106	84-120	2	20
o-Xylene	ND	10.4	10.0	104	9.94	10.0	99	47-143	4	20
Styrene	ND	10.7	10.0	107	10.1	10.0	101	72-121	6	20
Isopropylbenzene	ND	10.3	10.0	103	9.73	10.0	97	63-108	5	20
Bromobenzene	ND	10.3	10.0	103	9.93	10.0	99	80-113	4	20
1,2,3-Trichloropropane	ND	9.76	10.0	98	9.29	10.0	93	78-119	5	20
n-Propylbenzene	ND	10.9	10.0	109	10.3	10.0	103	76-117	6	20
2-Chlorotoluene	ND	10.4	10.0	104	9.82	10.0	98	79-121	6	20
4-Chlorotoluene	ND	10.4	10.0	104	9.81	10.0	98	70-133	5	20
1,3,5-Trimethylbenzene	ND	10.5	10.0	105	10.1	10.0	101	79-118	4	20
tert-Butylbenzene	ND	9.40	10.0	94	9.95	10.0	100	77-120	6	20
1,2,4-Trimethylbenzene	ND	10.9	10.0	109	10.3	10.0	103	68-127	5	20
sec-Butylbenzene	ND	10.5	10.0	105	9.97	10.0	100	78-123	6	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.2	10.0	102	78-127	4	20
4-Isopropyltoluene	ND	10.9	10.0	109	10.2	10.0	102	79-142	6	20
Bromoform	ND	8.85	10.0	89	8.60	10.0	86	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	9.40	10.0	94	9.77	10.0	98	66-133	4	20
1,4-Dichlorobenzene	ND	10.0	10.0	100	9.73	10.0	97	48-139	3	20
1,2-Dichlorobenzene	ND	9.91	10.0	99	9.68	10.0	97	64-109	2	20
n-Butylbenzene	ND	10.4	10.0	104	10.1	10.0	101	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	8.67	10.0	87	8.31	10.0	83	54-160	4	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	39-145	1	20
Hexachlorobutadiene	ND	11.9	10.0	119 M1	11.3	10.0	113	74-113	5	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/18/2003
Date Analyzed: 03/18/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB74-0100-07088
Lab Code: X2300196-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300353

Analyte Name	Sample Result	AVB74-0100-07088MS XWG0300353-4 Matrix Spike			AVB74-0100-07088DMS XWG0300353-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	8.77	10.0	88	9.14	10.0	91	44-167	4	20
1,2,3-Trichlorobenzene	ND	10.2	10.0	102	10.4	10.0	104	37-158	2	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/14/2003
Date Analyzed: 03/14/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300346

	Lab Control Sample XWG0300346-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300346-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.85	10.0	99	9.60	10.0	96	1-233	3	20
Chloromethane	8.71	10.0	87	8.64	10.0	86	46-156	1	20
Vinyl Chloride	9.63	10.0	96	9.51	10.0	95	51-158	1	20
Bromomethane	6.19	10.0	62	6.50	10.0	65	37-149	5	20
Chloroethane	9.54	10.0	95	9.33	10.0	93	56-146	2	20
Trichlorofluoromethane	9.41	10.0	94	9.13	10.0	91	69-139	3	20
1,1,2-Trichlorotrifluoroethane	8.98	10.0	90	8.58	10.0	86	83-130	5	20
1,1-Dichloroethene	8.97	10.0	90	8.90	10.0	89	65-112	1	20
Acetone	36.0	40.0	90	38.4	40.0	96	68-128	7	20
Iodomethane	32.6	40.0	81	34.3	40.0	86	68-144	5	20
Carbon Disulfide	43.7	40.0	109	43.5	40.0	109	67-140	1	20
Methylene Chloride	9.75	10.0	98	9.98	10.0	100	70-113	2	20
Methyl tert-Butyl Ether	8.77	10.0	88	9.51	10.0	95	75-115	8	20
trans-1,2-Dichloroethene	9.22	10.0	92	9.33	10.0	93	73-118	1	20
1,1-Dichloroethane	9.76	10.0	98	9.80	10.0	98	77-127	0	20
Vinyl Acetate	36.7	40.0	92	43.8	40.0	109	51-202	18	39
2,2-Dichloropropane	9.90	10.0	99	9.68	10.0	97	75-132	2	20
2-Butanone (MEK)	32.2	40.0	80	35.8	40.0	89	72-122	11	20
cis-1,2-Dichloroethene	9.69	10.0	97	9.84	10.0	98	81-118	2	20
Bromochloromethane	9.70	10.0	97	10.0	10.0	100	82-114	3	20
Chloroform	9.68	10.0	97	9.81	10.0	98	78-119	1	20
1,1,1-Trichloroethane	9.19	10.0	92	9.11	10.0	91	71-125	1	20
Carbon Tetrachloride	9.65	10.0	97	9.30	10.0	93	69-130	4	20
1,1-Dichloropropene	9.90	10.0	99	9.51	10.0	95	77-114	4	20
Benzene	9.90	10.0	99	9.78	10.0	98	81-117	1	20
1,2-Dichloroethane	8.80	10.0	88	9.12	10.0	91	67-122	4	20
Trichloroethene	9.80	10.0	98	9.69	10.0	97	79-114	1	20
1,2-Dichloropropane	9.52	10.0	95	9.42	10.0	94	78-114	1	20
Dibromomethane	9.11	10.0	91	9.48	10.0	95	78-113	4	20
Bromodichloromethane	9.10	10.0	91	9.27	10.0	93	79-122	2	20
cis-1,3-Dichloropropene	10.1	10.0	101	10.2	10.0	102	82-118	1	20
4-Methyl-2-pentanone (MIBK)	32.6	40.0	82	37.0	40.0	92	75-115	12	20
Toluene	9.85	10.0	99	9.80	10.0	98	85-118	1	20
trans-1,3-Dichloropropene	9.46	10.0	95	9.67	10.0	97	79-121	2	20
1,1,2-Trichloroethane	8.85	10.0	89	9.27	10.0	93	79-116	5	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/14/2003
Date Analyzed: 03/14/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300346

	Lab Control Sample XWG0300346-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300346-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.87	10.0	99	9.66	10.0	97	76-127	2	20
2-Hexanone	32.4	40.0	81	36.2	40.0	91	65-120	11	20
1,3-Dichloropropane	9.38	10.0	94	9.76	10.0	98	81-116	4	20
Dibromochloromethane	9.00	10.0	90	9.31	10.0	93	77-119	3	20
1,2-Dibromoethane	9.09	10.0	91	9.60	10.0	96	79-116	5	20
Chlorobenzene	9.53	10.0	95	9.59	10.0	96	84-114	1	20
1,1,1,2-Tetrachloroethane	9.08	10.0	91	8.98	10.0	90	78-118	1	20
Ethylbenzene	9.78	10.0	98	9.78	10.0	98	79-124	0	20
m,p-Xylenes	19.5	20.0	97	19.5	20.0	97	75-131	0	20
o-Xylene	9.70	10.0	97	9.74	10.0	97	78-122	0	20
Styrene	9.71	10.0	97	9.80	10.0	98	80-126	1	20
Isopropylbenzene	9.70	10.0	97	9.65	10.0	97	75-126	1	20
Bromobenzene	9.31	10.0	93	9.55	10.0	96	82-122	3	20
1,2,3-Trichloropropane	8.19	10.0	82	8.75	10.0	88	77-118	7	20
n-Propylbenzene	9.81	10.0	98	9.75	10.0	98	75-129	1	20
2-Chlorotoluene	9.59	10.0	96	9.66	10.0	97	77-126	1	20
4-Chlorotoluene	9.59	10.0	96	9.66	10.0	97	82-120	1	20
1,3,5-Trimethylbenzene	9.82	10.0	98	9.85	10.0	99	75-130	0	20
tert-Butylbenzene	9.63	10.0	96	9.66	10.0	97	73-130	0	20
1,2,4-Trimethylbenzene	9.79	10.0	98	9.80	10.0	98	60-137	0	20
sec-Butylbenzene	9.49	10.0	95	9.42	10.0	94	68-131	1	20
1,3-Dichlorobenzene	9.35	10.0	94	9.65	10.0	97	71-137	3	20
4-Isopropyltoluene	9.67	10.0	97	9.52	10.0	95	68-134	2	20
Bromoform	8.66	10.0	87	8.92	10.0	89	70-118	3	20
1,1,2,2-Tetrachloroethane	8.98	10.0	90	9.30	10.0	93	72-122	4	20
1,4-Dichlorobenzene	9.63	10.0	96	9.69	10.0	97	82-114	1	20
1,2-Dichlorobenzene	9.47	10.0	95	9.68	10.0	97	81-118	2	20
n-Butylbenzene	9.95	10.0	100	9.61	10.0	96	71-125	3	20
1,2-Dibromo-3-chloropropane	8.06	10.0	81	7.72	10.0	77	55-131	4	20
1,2,4-Trichlorobenzene	9.58	10.0	96	10.0	10.0	100	75-123	5	20
Hexachlorobutadiene	10.9	10.0	109	10.5	10.0	105	63-140	4	20
Naphthalene	8.77	10.0	88	9.66	10.0	97	67-125	10	20
1,2,3-Trichlorobenzene	9.45	10.0	95	10.2	10.0	102	72-124	8	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/18/2003
Date Analyzed: 03/18/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300353

	Lab Control Sample XWG0300353-1 Lab Control Spike				Duplicate Lab Control Sample XWG0300353-2 Duplicate Lab Control Spike						
Analyte Name	**Result**	**Expected**	**%Rec**		**Result**	**Expected**	**%Rec**		**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	7.37	10.0	74		6.69	10.0	67		1-233	10	20
Chloromethane	9.33	10.0	93		8.08	10.0	81		46-156	14	20
Vinyl Chloride	9.69	10.0	97		8.03	10.0	80		51-158	19	20
Bromomethane	11.5	10.0	115		10.1	10.0	101		37-149	13	20
Chloroethane	10.7	10.0	107		8.65	10.0	87		56-146	21 R7	20
Trichlorofluoromethane	8.85	10.0	89		7.73	10.0	77		69-139	14	20
1,1,2-Trichlorotrifluoroethane	8.98	10.0	90		7.94	10.0	79	L2	83-130	12	20
1,1-Dichloroethene	8.71	10.0	87		7.87	10.0	79		65-112	10	20
Acetone	28.1	40.0	70		27.4	40.0	69		68-128	2	20
Iodomethane	41.4	40.0	104		36.0	40.0	90		68-144	14	20
Carbon Disulfide	40.4	40.0	101		35.2	40.0	88		67-140	14	20
Methylene Chloride	10.8	10.0	108		10.0	10.0	100		70-113	7	20
Methyl tert-Butyl Ether	8.73	10.0	87		8.58	10.0	86		75-115	2	20
trans-1,2-Dichloroethene	9.55	10.0	96		8.46	10.0	85		73-118	12	20
1,1-Dichloroethane	9.81	10.0	98		9.21	10.0	92		77-127	6	20
Vinyl Acetate	37.2	40.0	93		35.8	40.0	90		51-202	4	39
2,2-Dichloropropane	9.05	10.0	91		8.65	10.0	87		75-132	5	20
2-Butanone (MEK)	26.4	40.0	66	L2	32.5	40.0	81		72-122	21 R7	20
cis-1,2-Dichloroethene	9.58	10.0	96		9.61	10.0	96		81-118	0	20
Bromochloromethane	10.1	10.0	101		10.4	10.0	104		82-114	3	20
Chloroform	8.80	10.0	88		8.74	10.0	87		78-119	1	20
1,1,1-Trichloroethane	8.18	10.0	82		7.73	10.0	77		71-125	6	20
Carbon Tetrachloride	7.90	10.0	79		7.56	10.0	76		69-130	4	20
1,1-Dichloropropene	8.52	10.0	85		8.51	10.0	85		77-114	0	20
Benzene	8.53	10.0	85		8.53	10.0	85		81-117	0	20
1,2-Dichloroethane	8.29	10.0	83		8.44	10.0	84		67-122	2	20
Trichloroethene	8.59	10.0	86		8.95	10.0	90		79-114	4	20
1,2-Dichloropropane	8.46	10.0	85		9.16	10.0	92		78-114	8	20
Dibromomethane	8.64	10.0	86		8.94	10.0	89		78-113	3	20
Bromodichloromethane	8.31	10.0	83		8.55	10.0	86		79-122	3	20
cis-1,3-Dichloropropene	9.12	10.0	91		9.55	10.0	96		82-118	5	20
4-Methyl-2-pentanone (MIBK)	38.9	40.0	97		35.9	40.0	90		75-115	8	20
Toluene	9.16	10.0	92		9.12	10.0	91		85-118	0	20
trans-1,3-Dichloropropene	8.77	10.0	88		9.03	10.0	90		79-121	3	20
1,1,2-Trichloroethane	8.89	10.0	89		8.98	10.0	90		79-116	1	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300196
Date Extracted: 03/18/2003
Date Analyzed: 03/18/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300353

	Lab Control Sample XWG0300353-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300353-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	8.93	10.0	89	8.77	10.0	88	76-127	2	20
2-Hexanone	30.2	40.0	75	31.0	40.0	78	65-120	3	20
1,3-Dichloropropane	8.75	10.0	88	8.81	10.0	88	81-116	1	20
Dibromochloromethane	8.83	10.0	88	8.78	10.0	88	77-119	1	20
1,2-Dibromoethane	8.79	10.0	88	8.74	10.0	87	79-116	1	20
Chlorobenzene	9.04	10.0	90	9.13	10.0	91	84-114	1	20
1,1,1,2-Tetrachloroethane	9.21	10.0	92	9.42	10.0	94	78-118	2	20
Ethylbenzene	9.09	10.0	91	9.00	10.0	90	79-124	1	20
m,p-Xylenes	18.7	20.0	94	18.8	20.0	94	75-131	0	20
o-Xylene	8.95	10.0	90	9.09	10.0	91	78-122	2	20
Styrene	9.64	10.0	96	9.61	10.0	96	80-126	0	20
Isopropylbenzene	8.78	10.0	88	8.53	10.0	85	75-126	3	20
Bromobenzene	9.23	10.0	92	9.37	10.0	94	82-122	2	20
1,2,3-Trichloropropane	8.69	10.0	87	8.74	10.0	87	77-118	1	20
n-Propylbenzene	9.34	10.0	93	9.07	10.0	91	75-129	3	20
2-Chlorotoluene	9.15	10.0	92	9.02	10.0	90	77-126	1	20
4-Chlorotoluene	9.23	10.0	92	9.01	10.0	90	82-120	2	20
1,3,5-Trimethylbenzene	9.08	10.0	91	8.81	10.0	88	75-130	3	20
tert-Butylbenzene	9.02	10.0	90	8.70	10.0	87	73-130	4	20
1,2,4-Trimethylbenzene	9.24	10.0	92	9.15	10.0	92	60-137	1	20
sec-Butylbenzene	8.85	10.0	89	8.65	10.0	87	68-131	2	20
1,3-Dichlorobenzene	9.61	10.0	96	9.31	10.0	93	71-137	3	20
4-Isopropyltoluene	9.20	10.0	92	9.06	10.0	91	68-134	2	20
Bromoform	8.46	10.0	85	8.81	10.0	88	70-118	4	20
1,1,2,2-Tetrachloroethane	9.13	10.0	91	9.57	10.0	96	72-122	5	20
1,4-Dichlorobenzene	8.96	10.0	90	9.16	10.0	92	82-114	2	20
1,2-Dichlorobenzene	8.87	10.0	89	9.30	10.0	93	81-118	5	20
n-Butylbenzene	8.53	10.0	85	8.70	10.0	87	71-125	2	20
1,2-Dibromo-3-chloropropane	7.45	10.0	75	8.38	10.0	84	55-131	12	20
1,2,4-Trichlorobenzene	9.06	10.0	91	10.1	10.0	101	75-123	11	20
Hexachlorobutadiene	9.59	10.0	96	9.75	10.0	98	63-140	2	20
Naphthalene	7.92	10.0	79	9.67	10.0	97	67-125	20	20
1,2,3-Trichlorobenzene	9.23	10.0	92	10.8	10.0	108	72-124	15	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 20, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 10, 2003. For your reference, these analyses have been assigned our service request number L2300521.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

000042

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154

Service Request : L2300521

Sample Name :	Lab Code :
Laboratory Control Sample	L2300318-LCS
Method Blank	L2300318-MB
AVB92-0100-03130	L2300521-001
AVB92-0100-03130	L2300521-001S
AVB92-0100-03130	L2300521-001SD
AVB74-0100-07088	L2300521-002
AVB29-0100-19111	L2300521-003
AVB71-0100-07125	L2300521-004
AVB71-0104-1000	L2300521-005

Approved By: Sue Anderson Date: 3/20/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	AVB92-0100-03130	**Units :**	ug/L (ppb)
Lab Code :	L2300521-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	15	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB92-0100-03130	**Units :**	ug/L (ppb)
Lab Code :	L2300521-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	AVB74-0100-07088	**Units :**	ug/L (ppb)
Lab Code :	L2300521-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB74-0100-07088	**Units :**	ug/L (ppb)
Lab Code :	L2300521-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	AVB29-0100-19111	**Units :**	ug/L (ppb)
Lab Code :	L2300521-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	16	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB29-0100-19111	**Units :**	ug/L (ppb)
Lab Code :	L2300521-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	11	

000050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	AVB71-0100-07125	**Units :**	ug/L (ppb)
Lab Code :	L2300521-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB71-0100-07125	**Units :**	ug/L (ppb)
Lab Code :	L2300521-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	AVB71-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300521-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	03/10/03
Project No. :	03103154	**Date Received :**	03/10/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB71-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300521-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300521
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/18/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300318-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300521
Date Collected : 03/10/03
Date Received : 03/10/03
Date Extracted : 03/18/03
Date Analyzed : 03/19/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB92-0100-03130
Lab Code : L2300521-001S L2300521-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	15.3	530	529	103	103	87-105	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300521
Date Collected : NA
Date Received : NA
Date Extracted : 03/18/03
Date Analyzed : 03/19/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300318-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	521	104	87-111	

Columbia Analytical Services INC.
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L2300521

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3·10·03 PAGE 1 OF 1

PROJECT NAME WVBA # 03103154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9830 S 51ST ST SUITE A 127 PHX AZ 85044
PHONE/FAX 480 496 4100
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED — Canoga

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 LK	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Chromium HNO3	Dissolved Chromium			REMARKS
AVB 92-0100-03130	3.10.03	08.10	0196-01	AQ		5		3											1	1			
AVB 74-0100-07088	"	0915	02	"		5		3											1	1			
AVB 29-0100-19111	"	10.50	03	"		5		3											1	1			
AVB 71-0100-07125	"	12.15	04	"		5		3											1	1			
~~AVB71-~~ (NS)				"		~~5~~	AV	~~3~~															
AVB71-0104-1000	"	12.45	0196-05	"		5		3											1	1			
~~AVB71-0102-1000~~	"	—	~~06~~	"		1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- ___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# ___
Bill To ___

SAMPLE RECEIPT:
Shipping VIA: Fed-Ex
Shipping #: ___
Condition: ___
Lab No: X2300196

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3·10·03 13·45		CAS	3-10-03 13:45
Leslie May	CAS	3-10-03 1600	Fedex		
Fedex				CAS	3/11/03 0845

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300521 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = {1-500ml (HNO3)A, 1-500ml (NP)B}

Comments

Filter & preserve DISS metals bottle in lab

Benny notified @ 1030

Initials, Date, Time LK 3/4/03 1020 SW 3/11/03

r:\sr_forms\cooler.doc Rev. 1/17/02

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-10-03 PAGE 1 OF 1

PROJECT NAME WVBA # 03103154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BEtK 9830 S 51ST ST
SUITE A 127 PHX AZ 85044
PHONE/FAX 480 496 4100
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Chromium HNO3	Dissolved Chromium			REMARKS
AVB 92-0100-03130	3-10-03	08:10	0196-01	AQ		5		3											1	1			
AVB 74-0100-07088	"	0915	02	"		5		3											1	1			
AVB 29-0100-19111	"	10:50	03	"		5		3											1	1			
AVB 71-0100-07125	"	12:15	04	"		5		3											1	1			
NO AVB7-				"		~~5~~	MW	~~3~~															
AVB71-0104-1000	"	12:45	0196-05	"		5		3											1	1			
AVB71-0102-1000	"	—	06	"		1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
___ I. Routine Report
___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X2300196

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BEtK	3-10-03 13:45		CAS	3-10-03 13:45
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0196

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: B E & K Project Name: WUB

Sample(s) Received on: 3-10-03 date 1335 time
VOA's ☐ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 4.5°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM + DH

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Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

March 28, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: Re: WVB

Dear Chuck :

Enclosed are the results of the samples submitted to our laboratory on March 11, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300556). For your reference, the 8260B analyses have been assigned our service request number X230202.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/td

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Ternext	**Service Request No.:**	X200202
Project:	WVB	**Date Received:**	3/11/02
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery for Dichlorodifluoromethane for 8260B on 3/19/03 and 2-Hexanone on 3/21/03 was below method acceptance limits. These compounds were detected in the method reporting limit standard that was analyzed with their batch. This verifies that the compounds would be detected if present in the samples.

Matrix spike recovery for several compounds for XWG0300365 and XWG0300373 for 8260B was high, the method control sample recovery was acceptable.

Matrix spike recovery for several compounds for XWG0300365 and 2-Butanone in XWG0300373 for 8260B was low, the method control sample recovery was acceptable.

The DLCS recovery for several compounds for XWG0300363-4 for 8260B was low, these compounds were recovered in the LCS within acceptance limits. All these compounds were also detected in the method reporting limit standard.

RPD for several compounds for XWG0300363-3,-4 and Trichlorofluoromethane for XWG0300373-,-4 for 8260B exceeded the laboratory control limit.

Approved by JM **Date** 3-28-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVB

Service Request: X2300202

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB91-0100-03131	X2300202-001	03/11/2003	03/11/2003
AVB81-0200-05107	X2300202-002	03/11/2003	03/11/2003
AVB96-0100-03125	X2300202-003	03/11/2003	03/11/2003
AVB94-0100-03132	X2300202-004	03/11/2003	03/11/2003
AVB94-0104-1000	X2300202-005	03/11/2003	03/11/2003
AVB94-0102-1000	X2300202-006	03/11/2003	03/11/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 3-28-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB91-0100-03131
Lab Code: X2300202-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	ND	U	1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	ND	U	1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB91-0100-03131
Lab Code: X2300202-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	ND	U	0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB91-0100-03131
Lab Code: X2300202-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	95	84-113	03/21/03	
Toluene-d8	111	68-126	03/21/03	
4-Bromofluorobenzene	95	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB81-0200-05107
Lab Code: X2300202-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	ND	U	1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	ND	U	1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB81-0200-05107
Lab Code: X2300202-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	ND	U	0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB81-0200-05107
Lab Code: X2300202-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	99	84-113	03/21/03	
Toluene-d8	111	68-126	03/21/03	
4-Bromofluorobenzene	99	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB96-0100-03125
Lab Code: X2300202-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	ND	U	1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	ND	U	1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB96-0100-03125
Lab Code: X2300202-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	ND	U	0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB96-0100-03125
Lab Code: X2300202-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	99	84-113	03/21/03	
Toluene-d8	110	68-126	03/21/03	
4-Bromofluorobenzene	95	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0100-03132
Lab Code: X2300202-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	**53**		3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	**2.4**		1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	**11**		1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	**0.66**		0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	**1.1**		1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	**100**	D	5.0	10	03/21/03	03/21/03	D2
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0100-03132
Lab Code: X2300202-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	**2.5**		0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0100-03132
Lab Code: X2300202-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	03/21/03	
Toluene-d8	113	68-126	03/21/03	
4-Bromofluorobenzene	96	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0104-1000
Lab Code: X2300202-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	ND	U	1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	ND	U	1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0104-1000
Lab Code: X2300202-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	ND	U	0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0104-1000
Lab Code: X2300202-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/21/03	
Toluene-d8	112	68-126	03/21/03	
4-Bromofluorobenzene	98	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0102-1000
Lab Code: X2300202-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/20/03	03/20/03	
Chloromethane	ND	U	2.0	1	03/20/03	03/20/03	
Vinyl Chloride	ND	U	1.0	1	03/20/03	03/20/03	
Bromomethane	ND	U	1.0	1	03/20/03	03/20/03	
Chloroethane	ND	U	1.0	1	03/20/03	03/20/03	
Trichlorofluoromethane	ND	U	1.0	1	03/20/03	03/20/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/20/03	03/20/03	
1,1-Dichloroethene	ND	U	1.0	1	03/20/03	03/20/03	
Acetone	ND	U	10	1	03/20/03	03/20/03	
Iodomethane	ND	U	2.0	1	03/20/03	03/20/03	
Carbon Disulfide	ND	U	2.0	1	03/20/03	03/20/03	
Methylene Chloride	ND	U	1.0	1	03/20/03	03/20/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/20/03	03/20/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
1,1-Dichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Vinyl Acetate	ND	U	3.0	1	03/20/03	03/20/03	
2,2-Dichloropropane	ND	U	2.0	1	03/20/03	03/20/03	
2-Butanone (MEK)	ND	U	8.0	1	03/20/03	03/20/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
Bromochloromethane	ND	U	0.50	1	03/20/03	03/20/03	
Chloroform	ND	U	1.0	1	03/20/03	03/20/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Carbon Tetrachloride	ND	U	0.50	1	03/20/03	03/20/03	
1,1-Dichloropropene	ND	U	0.50	1	03/20/03	03/20/03	
Benzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Trichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichloropropane	ND	U	0.50	1	03/20/03	03/20/03	
Dibromomethane	ND	U	0.50	1	03/20/03	03/20/03	
Bromodichloromethane	ND	U	0.50	1	03/20/03	03/20/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/20/03	03/20/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/20/03	03/20/03	
Toluene	ND	U	0.50	1	03/20/03	03/20/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0102-1000
Lab Code: X2300202-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/20/03	03/20/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/20/03	03/20/03	
Tetrachloroethene	ND	U	0.50	1	03/20/03	03/20/03	
2-Hexanone	ND	U	5.0	1	03/20/03	03/20/03	
1,3-Dichloropropane	ND	U	1.0	1	03/20/03	03/20/03	
Dibromochloromethane	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dibromoethane	ND	U	0.50	1	03/20/03	03/20/03	
Chlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Ethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
m,p-Xylenes	ND	U	1.0	1	03/20/03	03/20/03	
o-Xylene	ND	U	0.50	1	03/20/03	03/20/03	
Styrene	ND	U	0.50	1	03/20/03	03/20/03	
Isopropylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
Bromobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/20/03	03/20/03	
n-Propylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
2-Chlorotoluene	ND	U	0.50	1	03/20/03	03/20/03	
4-Chlorotoluene	ND	U	0.50	1	03/20/03	03/20/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
tert-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
sec-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
4-Isopropyltoluene	ND	U	0.50	1	03/20/03	03/20/03	
Bromoform	ND	U	0.50	1	03/20/03	03/20/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/20/03	03/20/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
n-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/20/03	03/20/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
Hexachlorobutadiene	ND	U	0.50	1	03/20/03	03/20/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: 03/11/2003
Date Received: 03/11/2003

Volatile Organic Compounds

Sample Name: AVB94-0102-1000
Lab Code: X2300202-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/20/03	03/20/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/20/03	
Toluene-d8	112	68-126	03/20/03	
4-Bromofluorobenzene	99	79-113	03/20/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300363-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/19/03	03/19/03	N1V4
Chloromethane	ND	U	2.0	1	03/19/03	03/19/03	
Vinyl Chloride	ND	U	1.0	1	03/19/03	03/19/03	
Bromomethane	ND	U	1.0	1	03/19/03	03/19/03	
Chloroethane	ND	U	1.0	1	03/19/03	03/19/03	
Trichlorofluoromethane	ND	U	1.0	1	03/19/03	03/19/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/19/03	03/19/03	
1,1-Dichloroethene	ND	U	1.0	1	03/19/03	03/19/03	
Acetone	ND	U	10	1	03/19/03	03/19/03	
Iodomethane	ND	U	2.0	1	03/19/03	03/19/03	
Carbon Disulfide	ND	U	2.0	1	03/19/03	03/19/03	
Methylene Chloride	ND	U	1.0	1	03/19/03	03/19/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/19/03	03/19/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/19/03	03/19/03	
1,1-Dichloroethane	ND	U	0.50	1	03/19/03	03/19/03	
Vinyl Acetate	ND	U	3.0	1	03/19/03	03/19/03	
2,2-Dichloropropane	ND	U	2.0	1	03/19/03	03/19/03	
2-Butanone (MEK)	ND	U	8.0	1	03/19/03	03/19/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/19/03	03/19/03	
Bromochloromethane	ND	U	0.50	1	03/19/03	03/19/03	
Chloroform	ND	U	1.0	1	03/19/03	03/19/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/19/03	03/19/03	
Carbon Tetrachloride	ND	U	0.50	1	03/19/03	03/19/03	
1,1-Dichloropropene	ND	U	0.50	1	03/19/03	03/19/03	
Benzene	ND	U	0.50	1	03/19/03	03/19/03	
1,2-Dichloroethane	ND	U	0.50	1	03/19/03	03/19/03	
Trichloroethene	ND	U	0.50	1	03/19/03	03/19/03	
1,2-Dichloropropane	ND	U	0.50	1	03/19/03	03/19/03	
Dibromomethane	ND	U	0.50	1	03/19/03	03/19/03	
Bromodichloromethane	ND	U	0.50	1	03/19/03	03/19/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/19/03	03/19/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/19/03	03/19/03	
Toluene	ND	U	0.50	1	03/19/03	03/19/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300363-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/19/03	03/19/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/19/03	03/19/03	
Tetrachloroethene	ND	U	0.50	1	03/19/03	03/19/03	
2-Hexanone	ND	U	5.0	1	03/19/03	03/19/03	
1,3-Dichloropropane	ND	U	1.0	1	03/19/03	03/19/03	
Dibromochloromethane	ND	U	0.50	1	03/19/03	03/19/03	
1,2-Dibromoethane	ND	U	0.50	1	03/19/03	03/19/03	
Chlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/19/03	03/19/03	
Ethylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
m,p-Xylenes	ND	U	1.0	1	03/19/03	03/19/03	
o-Xylene	ND	U	0.50	1	03/19/03	03/19/03	
Styrene	ND	U	0.50	1	03/19/03	03/19/03	
Isopropylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
Bromobenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/19/03	03/19/03	
n-Propylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
2-Chlorotoluene	ND	U	0.50	1	03/19/03	03/19/03	
4-Chlorotoluene	ND	U	0.50	1	03/19/03	03/19/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
tert-Butylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
sec-Butylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	
4-Isopropyltoluene	ND	U	0.50	1	03/19/03	03/19/03	
Bromoform	ND	U	0.50	1	03/19/03	03/19/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/19/03	03/19/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	
n-Butylbenzene	ND	U	0.50	1	03/19/03	03/19/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/19/03	03/19/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	
Hexachlorobutadiene	ND	U	0.50	1	03/19/03	03/19/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300363-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/19/03	03/19/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/19/03	03/19/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	90	84-113	03/19/03	
Toluene-d8	104	68-126	03/19/03	
4-Bromofluorobenzene	87	79-113	03/19/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300365-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/20/03	03/20/03	
Chloromethane	ND	U	2.0	1	03/20/03	03/20/03	
Vinyl Chloride	ND	U	1.0	1	03/20/03	03/20/03	
Bromomethane	ND	U	1.0	1	03/20/03	03/20/03	
Chloroethane	ND	U	1.0	1	03/20/03	03/20/03	
Trichlorofluoromethane	ND	U	1.0	1	03/20/03	03/20/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/20/03	03/20/03	
1,1-Dichloroethene	ND	U	1.0	1	03/20/03	03/20/03	
Acetone	ND	U	10	1	03/20/03	03/20/03	
Iodomethane	ND	U	2.0	1	03/20/03	03/20/03	
Carbon Disulfide	ND	U	2.0	1	03/20/03	03/20/03	
Methylene Chloride	ND	U	1.0	1	03/20/03	03/20/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/20/03	03/20/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
1,1-Dichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Vinyl Acetate	ND	U	3.0	1	03/20/03	03/20/03	
2,2-Dichloropropane	ND	U	2.0	1	03/20/03	03/20/03	
2-Butanone (MEK)	ND	U	8.0	1	03/20/03	03/20/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
Bromochloromethane	ND	U	0.50	1	03/20/03	03/20/03	
Chloroform	ND	U	1.0	1	03/20/03	03/20/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Carbon Tetrachloride	ND	U	0.50	1	03/20/03	03/20/03	
1,1-Dichloropropene	ND	U	0.50	1	03/20/03	03/20/03	
Benzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Trichloroethene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichloropropane	ND	U	0.50	1	03/20/03	03/20/03	
Dibromomethane	ND	U	0.50	1	03/20/03	03/20/03	
Bromodichloromethane	ND	U	0.50	1	03/20/03	03/20/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/20/03	03/20/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/20/03	03/20/03	
Toluene	ND	U	0.50	1	03/20/03	03/20/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300365-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/20/03	03/20/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/20/03	03/20/03	
Tetrachloroethene	ND	U	0.50	1	03/20/03	03/20/03	
2-Hexanone	ND	U	5.0	1	03/20/03	03/20/03	
1,3-Dichloropropane	ND	U	1.0	1	03/20/03	03/20/03	
Dibromochloromethane	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dibromoethane	ND	U	0.50	1	03/20/03	03/20/03	
Chlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/20/03	03/20/03	
Ethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
m,p-Xylenes	ND	U	1.0	1	03/20/03	03/20/03	
o-Xylene	ND	U	0.50	1	03/20/03	03/20/03	
Styrene	ND	U	0.50	1	03/20/03	03/20/03	
Isopropylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
Bromobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/20/03	03/20/03	
n-Propylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
2-Chlorotoluene	ND	U	0.50	1	03/20/03	03/20/03	
4-Chlorotoluene	ND	U	0.50	1	03/20/03	03/20/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
tert-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
sec-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
4-Isopropyltoluene	ND	U	0.50	1	03/20/03	03/20/03	
Bromoform	ND	U	0.50	1	03/20/03	03/20/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/20/03	03/20/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
n-Butylbenzene	ND	U	0.50	1	03/20/03	03/20/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/20/03	03/20/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	
Hexachlorobutadiene	ND	U	0.50	1	03/20/03	03/20/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300365-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/20/03	03/20/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/20/03	03/20/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	03/20/03	
Toluene-d8	105	68-126	03/20/03	
4-Bromofluorobenzene	97	79-113	03/20/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300373-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/21/03	03/21/03	
Chloromethane	ND	U	2.0	1	03/21/03	03/21/03	
Vinyl Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Bromomethane	ND	U	1.0	1	03/21/03	03/21/03	
Chloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Trichlorofluoromethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,1-Dichloroethene	ND	U	1.0	1	03/21/03	03/21/03	
Acetone	ND	U	10	1	03/21/03	03/21/03	
Iodomethane	ND	U	2.0	1	03/21/03	03/21/03	
Carbon Disulfide	ND	U	2.0	1	03/21/03	03/21/03	
Methylene Chloride	ND	U	1.0	1	03/21/03	03/21/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/21/03	03/21/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Vinyl Acetate	ND	U	3.0	1	03/21/03	03/21/03	
2,2-Dichloropropane	ND	U	2.0	1	03/21/03	03/21/03	
2-Butanone (MEK)	ND	U	8.0	1	03/21/03	03/21/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
Bromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
Chloroform	ND	U	1.0	1	03/21/03	03/21/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Carbon Tetrachloride	ND	U	0.50	1	03/21/03	03/21/03	
1,1-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
Benzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Trichloroethene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichloropropane	ND	U	0.50	1	03/21/03	03/21/03	
Dibromomethane	ND	U	0.50	1	03/21/03	03/21/03	
Bromodichloromethane	ND	U	0.50	1	03/21/03	03/21/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/21/03	03/21/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/21/03	03/21/03	
Toluene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300373-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/21/03	03/21/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/21/03	03/21/03	
Tetrachloroethene	ND	U	0.50	1	03/21/03	03/21/03	
2-Hexanone	ND	U	5.0	1	03/21/03	03/21/03	N1V4
1,3-Dichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
Dibromochloromethane	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromoethane	ND	U	0.50	1	03/21/03	03/21/03	
Chlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/21/03	03/21/03	
Ethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
m,p-Xylenes	ND	U	1.0	1	03/21/03	03/21/03	
o-Xylene	ND	U	0.50	1	03/21/03	03/21/03	
Styrene	ND	U	0.50	1	03/21/03	03/21/03	
Isopropylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
Bromobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/21/03	03/21/03	
n-Propylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
2-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
4-Chlorotoluene	ND	U	0.50	1	03/21/03	03/21/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
tert-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
sec-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
4-Isopropyltoluene	ND	U	0.50	1	03/21/03	03/21/03	
Bromoform	ND	U	0.50	1	03/21/03	03/21/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/21/03	03/21/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
n-Butylbenzene	ND	U	0.50	1	03/21/03	03/21/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/21/03	03/21/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	
Hexachlorobutadiene	ND	U	0.50	1	03/21/03	03/21/03	

Comments:

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300373-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/21/03	03/21/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/21/03	03/21/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	99	84-113	03/21/03	
Toluene-d8	114	68-126	03/21/03	
4-Bromofluorobenzene	97	79-113	03/21/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB91-0100-03131	X2300202-001	95	111	95
AVB81-0200-05107	X2300202-002	99	111	99
AVB96-0100-03125	X2300202-003	99	110	95
AVB94-0100-03132	X2300202-004	98	113	96
AVB94-0104-1000	X2300202-005	101	112	98
AVB94-0102-1000	X2300202-006	103	112	99
Method Blank	XWG0300363-5	90	104	87
Method Blank	XWG0300365-5	98	105	97
Method Blank	XWG0300373-5	99	114	97
Batch QC	X2300200-003	105	112	101
Batch QC	X2300200-010	99	114	97
Batch QCMS	XWG0300365-1	98	116	106
Batch QCDMS	XWG0300365-2	100	109	102
Batch QCMS	XWG0300373-1	105	123	111
Batch QCDMS	XWG0300373-2	98	116	103
Lab Control Sample	XWG0300363-3	94	108	100
Duplicate Lab Control Sample	XWG0300363-4	87	100	89
Lab Control Sample	XWG0300365-3	100	112	103
Duplicate Lab Control Sample	XWG0300365-4	97	107	101
Lab Control Sample	XWG0300373-3	97	111	101
Duplicate Lab Control Sample	XWG0300373-4	98	107	102

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/20/2003
Date Analyzed: 03/20/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300365

Analyte Name	Sample Result	Batch QCMS XWG0300365-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300365-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	5.54	10.0	55 M2	5.45	10.0	55 M2	78-207	2	20
Chloromethane	ND	8.38	10.0	84	7.15	10.0	72	70-157	16	20
Vinyl Chloride	ND	9.73	10.0	97	9.13	10.0	91	79-174	6	20
Bromomethane	ND	11.0	10.0	110	10.2	10.0	102	44-150	8	20
Chloroethane	ND	12.0	10.0	120	9.56	10.0	96	74-150	23 R5	20
Trichlorofluoromethane	ND	10.3	10.0	103	9.65	10.0	97	80-134	7	20
1,1,2-Trichlorotrifluoroethane	ND	10.7	10.0	107	10.3	10.0	103	67-128	5	20
1,1-Dichloroethene	ND	10.6	10.0	106	9.77	10.0	98	71-142	8	20
Acetone	ND	31.8	40.0	79	26.0	40.0	65	1-155	20	20
Iodomethane	ND	45.1	40.0	113	42.8	40.0	107	47-120	5	20
Carbon Disulfide	ND	44.6	40.0	112	41.5	40.0	104	77-126	7	20
Methylene Chloride	ND	11.4	10.0	114 M1	10.8	10.0	108 M1	83-106	6	20
Methyl tert-Butyl Ether	ND	9.42	10.0	94	8.35	10.0	84	70-118	12	20
trans-1,2-Dichloroethene	ND	10.6	10.0	106	10.3	10.0	103	86-115	3	20
1,1-Dichloroethane	ND	11.4	10.0	114	10.9	10.0	109	77-127	5	20
Vinyl Acetate	ND	41.3	40.0	103	38.3	40.0	96	8-187	8	20
2,2-Dichloropropane	ND	10.7	10.0	107	10.7	10.0	107	25-154	0	20
2-Butanone (MEK)	ND	39.6	40.0	99	34.8	40.0	87 M2	90-112	13	20
cis-1,2-Dichloroethene	ND	10.8	10.0	108	10.5	10.0	105	69-118	3	20
Bromochloromethane	ND	11.1	10.0	111	10.7	10.0	107	47-136	4	20
Chloroform	ND	10.7	10.0	107	10.6	10.0	106	48-143	1	20
1,1,1-Trichloroethane	ND	9.54	10.0	95	9.43	10.0	94	84-122	1	20
Carbon Tetrachloride	ND	9.56	10.0	96	9.35	10.0	94	79-120	2	20
1,1-Dichloropropene	ND	10.4	10.0	104	10.3	10.0	103	85-117	1	20
Benzene	ND	9.89	10.0	99	9.62	10.0	96	88-114	3	20
1,2-Dichloroethane	ND	9.05	10.0	91	8.73	10.0	87	75-112	4	20
Trichloroethene	0.64	11.5	10.0	109	11.1	10.0	105	76-115	4	20
1,2-Dichloropropane	ND	10.3	10.0	103	9.79	10.0	98	85-107	5	20
Dibromomethane	ND	9.93	10.0	99	8.64	10.0	86	82-106	14	20
Bromodichloromethane	ND	9.53	10.0	95	8.80	10.0	88	83-107	8	20
cis-1,3-Dichloropropene	ND	9.74	10.0	97	8.78	10.0	88	70-114	10	20
4-Methyl-2-pentanone (MIBK)	ND	37.3	40.0	93	32.2	40.0	80	54-129	15	20
Toluene	ND	11.0	10.0	110	10.1	10.0	101	86-114	8	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/20/2003
Date Analyzed: 03/20/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300365

Analyte Name	Sample Result	Batch QCMS XWG0300365-1 Matrix Spike			Batch QCDMS XWG0300365-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	9.74	10.0	97	8.53	10.0	85	73-112	13	20
1,1,2-Trichloroethane	ND	10.1	10.0	101	8.64	10.0	86	79-112	16	20
Tetrachloroethene	ND	11.0	10.0	110	10.2	10.0	102	78-130	8	20
2-Hexanone	ND	34.3	40.0	86	27.4	40.0	69 M2	77-112	22 R2	20
1,3-Dichloropropane	ND	9.92	10.0	99	8.68	10.0	87	45-133	13	20
Dibromochloromethane	ND	9.89	10.0	99	8.49	10.0	85	74-108	15	20
1,2-Dibromoethane	ND	9.68	10.0	97	8.48	10.0	85	73-113	13	20
Chlorobenzene	ND	10.3	10.0	103	9.89	10.0	99	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	10.4	10.0	104	10.4	10.0	104	84-119	0	20
Ethylbenzene	ND	10.6	10.0	106	10.3	10.0	103	47-136	3	20
m,p-Xylenes	ND	22.1	20.0	110	21.2	20.0	106	84-120	4	20
o-Xylene	ND	10.4	10.0	104	10.1	10.0	101	47-143	3	20
Styrene	ND	10.8	10.0	108	10.5	10.0	105	72-121	3	20
Isopropylbenzene	ND	10.3	10.0	103	10.1	10.0	101	63-108	2	20
Bromobenzene	ND	10.6	10.0	106	10.3	10.0	103	80-113	3	20
1,2,3-Trichloropropane	ND	9.86	10.0	99	9.03	10.0	90	78-119	9	20
n-Propylbenzene	ND	11.1	10.0	111	10.8	10.0	108	76-117	3	20
2-Chlorotoluene	ND	10.6	10.0	106	10.3	10.0	103	79-121	2	20
4-Chlorotoluene	ND	10.5	10.0	105	10.3	10.0	103	70-133	2	20
1,3,5-Trimethylbenzene	ND	10.7	10.0	107	10.7	10.0	107	79-118	0	20
tert-Butylbenzene	ND	10.8	10.0	108	10.8	10.0	108	77-120	0	20
1,2,4-Trimethylbenzene	ND	11.0	10.0	110	11.0	10.0	110	68-127	0	20
sec-Butylbenzene	ND	10.8	10.0	108	10.7	10.0	107	78-123	1	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.5	10.0	105	78-127	1	20
4-Isopropyltoluene	ND	11.1	10.0	111	11.0	10.0	110	79-142	1	20
Bromoform	ND	8.74	10.0	87	8.47	10.0	85	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	9.76	10.0	98	9.12	10.0	91	66-133	7	20
1,4-Dichlorobenzene	ND	10.1	10.0	101	9.89	10.0	99	48-139	2	20
1,2-Dichlorobenzene	ND	10.0	10.0	100	9.84	10.0	98	64-109	2	20
n-Butylbenzene	ND	10.6	10.0	106	10.7	10.0	107	69-122	1	20
1,2-Dibromo-3-chloropropane	ND	7.85	10.0	79	7.37	10.0	74	54-160	6	20
1,2,4-Trichlorobenzene	ND	11.2	10.0	112	11.1	10.0	111	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.6	10.0	116 M1	74-113	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/20/2003
Date Analyzed: 03/20/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300365

Analyte Name	Sample Result	Batch QCMS XWG0300365-1 Matrix Spike			Batch QCDMS XWG0300365-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.87	10.0	99	10.0	10.0	100	44-167	2	20
1,2,3-Trichlorobenzene	ND	11.5	10.0	115	11.3	10.0	113	37-158	1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/21/2003
Date Analyzed: 03/21/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-010

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300373

Analyte Name	Sample Result	Batch QCMS XWG0300373-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300373-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	9.45	10.0	95	8.01	10.0	80	78-207	16	20
Chloromethane	ND	10.4	10.0	104	8.57	10.0	86	70-157	20	20
Vinyl Chloride	ND	11.5	10.0	115	9.79	10.0	98	79-174	16	20
Bromomethane	ND	12.8	10.0	128	10.7	10.0	107	44-150	18	20
Chloroethane	ND	12.2	10.0	122	10.5	10.0	105	74-150	15	20
Trichlorofluoromethane	5.3	16.7	10.0	114	16.3	10.0	111	80-134	2	20
1,1,2-Trichlorotrifluoroethane	ND	12.0	10.0	120	9.91	10.0	99	67-128	19	20
1,1-Dichloroethene	ND	11.5	10.0	115	9.99	10.0	100	71-142	14	20
Acetone	ND	43.9	40.0	110	31.5	40.0	79	1-155	33 R5	20
Iodomethane	ND	52.1	40.0	130 M1	43.0	40.0	107	47-120	19	20
Carbon Disulfide	ND	50.2	40.0	125	42.1	40.0	105	77-126	18	20
Methylene Chloride	ND	12.1	10.0	121 M1	10.7	10.0	107 M1	83-106	12	20
Methyl tert-Butyl Ether	ND	9.65	10.0	97	8.81	10.0	88	70-118	9	20
trans-1,2-Dichloroethene	ND	11.6	10.0	116 M1	9.99	10.0	100	86-115	15	20
1,1-Dichloroethane	ND	11.9	10.0	119	10.2	10.0	102	77-127	16	20
Vinyl Acetate	ND	38.8	40.0	97	33.9	40.0	85	8-187	13	20
2,2-Dichloropropane	ND	11.7	10.0	117	10.1	10.0	101	25-154	15	20
2-Butanone (MEK)	ND	30.8	40.0	77 M2	38.5	40.0	96	90-112	22 R5	20
cis-1,2-Dichloroethene	ND	12.0	10.0	120 M1	10.3	10.0	103	69-118	16	20
Bromochloromethane	ND	12.3	10.0	123	11.6	10.0	116	47-136	6	20
Chloroform	ND	10.7	10.0	107	10.1	10.0	101	48-143	6	20
1,1,1-Trichloroethane	ND	10.1	10.0	101	9.44	10.0	94	84-122	7	20
Carbon Tetrachloride	ND	10.2	10.0	102	9.31	10.0	93	79-120	9	20
1,1-Dichloropropene	ND	10.8	10.0	108	10.3	10.0	103	85-117	5	20
Benzene	ND	10.3	10.0	103	9.73	10.0	97	88-114	5	20
1,2-Dichloroethane	ND	9.53	10.0	95	8.93	10.0	89	75-112	7	20
Trichloroethene	0.52	12.1	10.0	116 M1	11.4	10.0	109	76-115	6	20
1,2-Dichloropropane	ND	10.2	10.0	102	9.95	10.0	100	85-107	2	20
Dibromomethane	ND	10.0	10.0	100	9.70	10.0	97	82-106	3	20
Bromodichloromethane	ND	9.63	10.0	96	9.28	10.0	93	83-107	4	20
cis-1,3-Dichloropropene	ND	10.1	10.0	101	9.53	10.0	95	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	37.2	40.0	93	37.1	40.0	93	54-129	0	20
Toluene	ND	11.6	10.0	116 M1	10.8	10.0	108	86-114	7	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/21/2003
Date Analyzed: 03/21/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-010

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300373

Analyte Name	Sample Result	Batch QCMS XWG0300373-1 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300373-2 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.53	10.0	95	9.11	10.0	91	73-112	5	20
1,1,2-Trichloroethane	ND	10.1	10.0	101	10.1	10.0	101	79-112	0	20
Tetrachloroethene	0.57	12.0	10.0	115	11.3	10.0	108	78-130	6	20
2-Hexanone	ND	33.0	40.0	83	31.7	40.0	79	77-112	4	20
1,3-Dichloropropane	ND	10.4	10.0	104	9.80	10.0	98	45-133	6	20
Dibromochloromethane	ND	10.1	10.0	101	9.25	10.0	93	74-108	9	20
1,2-Dibromoethane	ND	9.42	10.0	94	9.14	10.0	91	73-113	3	20
Chlorobenzene	ND	10.8	10.0	108	10.1	10.0	101	84-111	7	20
1,1,1,2-Tetrachloroethane	ND	10.9	10.0	109	10.2	10.0	102	84-119	6	20
Ethylbenzene	ND	11.1	10.0	111	10.5	10.0	105	47-136	5	20
m,p-Xylenes	ND	23.1	20.0	115	21.7	20.0	109	84-120	6	20
o-Xylene	ND	11.0	10.0	110	10.3	10.0	103	47-143	7	20
Styrene	ND	11.5	10.0	115	10.5	10.0	105	72-121	9	20
Isopropylbenzene	ND	11.0	10.0	110 M1	9.97	10.0	100	63-108	9	20
Bromobenzene	ND	11.0	10.0	110	10.1	10.0	101	80-113	8	20
1,2,3-Trichloropropane	ND	9.87	10.0	99	9.09	10.0	91	78-119	8	20
n-Propylbenzene	ND	11.5	10.0	115	10.6	10.0	106	76-117	9	20
2-Chlorotoluene	ND	11.2	10.0	112	10.1	10.0	101	79-121	11	20
4-Chlorotoluene	ND	10.9	10.0	109	9.90	10.0	99	70-133	10	20
1,3,5-Trimethylbenzene	ND	11.4	10.0	114	10.4	10.0	104	79-118	9	20
tert-Butylbenzene	ND	11.4	10.0	114	10.3	10.0	103	77-120	10	20
1,2,4-Trimethylbenzene	ND	11.6	10.0	116	10.5	10.0	105	68-127	10	20
sec-Butylbenzene	ND	11.2	10.0	112	10.1	10.0	101	78-123	10	20
1,3-Dichlorobenzene	ND	11.1	10.0	111	10.3	10.0	103	78-127	8	20
4-Isopropyltoluene	ND	11.5	10.0	115	10.5	10.0	105	79-142	10	20
Bromoform	ND	9.28	10.0	93	9.21	10.0	92	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	10.1	10.0	101	9.69	10.0	97	66-133	4	20
1,4-Dichlorobenzene	ND	10.3	10.0	103	9.99	10.0	100	48-139	3	20
1,2-Dichlorobenzene	ND	10.1	10.0	101	9.94	10.0	99	64-109	2	20
n-Butylbenzene	ND	10.9	10.0	109	10.4	10.0	104	69-122	5	20
1,2-Dibromo-3-chloropropane	ND	9.15	10.0	92	8.30	10.0	83	54-160	10	20
1,2,4-Trichlorobenzene	ND	11.0	10.0	110	11.1	10.0	111	39-145	1	20
Hexachlorobutadiene	ND	11.8	10.0	118 M1	12.0	10.0	120 M1	74-113	2	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/21/2003
Date Analyzed: 03/21/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300200-010

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300373

Analyte Name	Sample Result	Batch QCMS XWG0300373-1 Matrix Spike			Batch QCDMS XWG0300373-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.85	10.0	99	9.36	10.0	94	44-167	5	20
1,2,3-Trichlorobenzene	ND	11.8	10.0	118	11.2	10.0	112	37-158	6	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/19/2003
Date Analyzed: 03/19/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300363

	Lab Control Sample XWG0300363-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300363-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	8.50	10.0	85	8.31	10.0	83	1-233	2	20
Chloromethane	9.17	10.0	92	9.13	10.0	91	46-156	0	20
Vinyl Chloride	10.4	10.0	104	10.3	10.0	103	51-158	1	20
Bromomethane	11.7	10.0	117	12.9	10.0	129	37-149	10	20
Chloroethane	11.8	10.0	118	13.0	10.0	130	56-146	10	20
Trichlorofluoromethane	11.1	10.0	111	10.8	10.0	108	69-139	3	20
1,1,2-Trichlorotrifluoroethane	10.2	10.0	102	9.74	10.0	97	83-130	4	20
1,1-Dichloroethene	10.0	10.0	100	9.35	10.0	94	65-112	7	20
Acetone	27.8	40.0	70	14.6	40.0	37 L2	68-128	62 R2	20
Iodomethane	44.5	40.0	111	43.3	40.0	108	68-144	3	20
Carbon Disulfide	43.1	40.0	108	40.8	40.0	102	67-140	5	20
Methylene Chloride	10.9	10.0	109	9.58	10.0	96	70-113	12	20
Methyl tert-Butyl Ether	9.16	10.0	92	7.64	10.0	76	75-115	18	20
trans-1,2-Dichloroethene	10.1	10.0	101	9.77	10.0	98	73-118	4	20
1,1-Dichloroethane	10.2	10.0	102	9.96	10.0	100	77-127	3	20
Vinyl Acetate	32.5	40.0	81	27.6	40.0	69	51-202	16	39
2,2-Dichloropropane	9.81	10.0	98	9.24	10.0	92	75-132	6	20
2-Butanone (MEK)	35.6	40.0	89	25.9	40.0	65 L2	72-122	32 R2	20
cis-1,2-Dichloroethene	10.2	10.0	102	10.3	10.0	103	81-118	1	20
Bromochloromethane	10.8	10.0	108	10.4	10.0	104	82-114	4	20
Chloroform	9.53	10.0	95	9.05	10.0	91	78-119	5	20
1,1,1-Trichloroethane	9.28	10.0	93	9.21	10.0	92	71-125	1	20
Carbon Tetrachloride	8.96	10.0	90	8.86	10.0	89	69-130	1	20
1,1-Dichloropropene	9.98	10.0	100	9.79	10.0	98	77-114	2	20
Benzene	9.28	10.0	93	9.19	10.0	92	81-117	1	20
1,2-Dichloroethane	8.74	10.0	87	7.88	10.0	79	67-122	10	20
Trichloroethene	9.78	10.0	98	9.55	10.0	96	79-114	2	20
1,2-Dichloropropane	9.43	10.0	94	9.06	10.0	91	78-114	4	20
Dibromomethane	9.14	10.0	91	7.81	10.0	78	78-113	16	20
Bromodichloromethane	9.15	10.0	92	8.01	10.0	80	79-122	13	20
cis-1,3-Dichloropropene	9.67	10.0	97	8.59	10.0	86	82-118	12	20
4-Methyl-2-pentanone (MIBK)	37.6	40.0	94	28.3	40.0	71 L2	75-115	28 R2	20
Toluene	10.7	10.0	107	9.86	10.0	99	85-118	8	20
trans-1,3-Dichloropropene	9.23	10.0	92	8.04	10.0	80	79-121	14	20
1,1,2-Trichloroethane	9.64	10.0	96	8.04	10.0	80	79-116	18	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/19/2003
Date Analyzed: 03/19/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300363

	Lab Control Sample XWG0300363-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300363-4 Duplicate Lab Control Spike			%Rec	RPD	
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**Limits**	**RPD**	**Limit**
Tetrachloroethene	10.8	10.0	108	9.89	10.0	99	76-127	8	20
2-Hexanone	31.2	40.0	78	23.1	40.0	58 L2	65-120	30 R2	20
1,3-Dichloropropane	9.55	10.0	96	8.07	10.0	81	81-116	17	20
Dibromochloromethane	9.17	10.0	92	7.96	10.0	80	77-119	14	20
1,2-Dibromoethane	9.56	10.0	96	7.82	10.0	78 L2	79-116	20	20
Chlorobenzene	10.0	10.0	100	9.42	10.0	94	84-114	6	20
1,1,1,2-Tetrachloroethane	10.1	10.0	101	9.64	10.0	96	78-118	5	20
Ethylbenzene	10.2	10.0	102	9.95	10.0	100	79-124	3	20
m,p-Xylenes	21.3	20.0	107	20.5	20.0	102	75-131	4	20
o-Xylene	10.1	10.0	101	9.78	10.0	98	78-122	4	20
Styrene	10.6	10.0	106	9.90	10.0	99	80-126	6	20
Isopropylbenzene	10.1	10.0	101	9.70	10.0	97	75-126	4	20
Bromobenzene	10.1	10.0	101	9.54	10.0	95	82-122	6	20
1,2,3-Trichloropropane	9.09	10.0	91	7.59	10.0	76 L2	77-118	18	20
n-Propylbenzene	10.5	10.0	105	10.1	10.0	101	75-129	4	20
2-Chlorotoluene	10.3	10.0	103	9.61	10.0	96	77-126	6	20
4-Chlorotoluene	9.95	10.0	100	9.49	10.0	95	82-120	5	20
1,3,5-Trimethylbenzene	10.3	10.0	103	9.99	10.0	100	75-130	3	20
tert-Butylbenzene	10.3	10.0	103	9.95	10.0	100	73-130	3	20
1,2,4-Trimethylbenzene	10.3	10.0	103	10.1	10.0	101	60-137	2	20
sec-Butylbenzene	10.1	10.0	101	9.99	10.0	100	68-131	1	20
1,3-Dichlorobenzene	10.2	10.0	102	9.40	10.0	94	71-137	8	20
4-Isopropyltoluene	10.5	10.0	105	10.2	10.0	102	68-134	3	20
Bromoform	8.48	10.0	85	7.32	10.0	73	70-118	15	20
1,1,2,2-Tetrachloroethane	9.10	10.0	91	7.53	10.0	75	72-122	19	20
1,4-Dichlorobenzene	9.81	10.0	98	9.16	10.0	92	82-114	7	20
1,2-Dichlorobenzene	9.67	10.0	97	8.88	10.0	89	81-118	9	20
n-Butylbenzene	9.91	10.0	99	9.81	10.0	98	71-125	1	20
1,2-Dibromo-3-chloropropane	7.56	10.0	76	5.60	10.0	56	55-131	30 R7	20
1,2,4-Trichlorobenzene	10.7	10.0	107	9.18	10.0	92	75-123	15	20
Hexachlorobutadiene	11.1	10.0	111	11.3	10.0	113	63-140	2	20
Naphthalene	9.54	10.0	95	6.59	10.0	66 L2	67-125	37 R2	20
1,2,3-Trichlorobenzene	11.0	10.0	110	8.47	10.0	85	72-124	26 R7	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/20/2003
Date Analyzed: 03/20/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300365

	Lab Control Sample XWG0300365-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300365-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	5.85	10.0	59	5.39	10.0	54	1-233	8	20
Chloromethane	7.84	10.0	78	8.12	10.0	81	46-156	4	20
Vinyl Chloride	9.36	10.0	94	9.47	10.0	95	51-158	1	20
Bromomethane	11.2	10.0	112	10.7	10.0	107	37-149	5	20
Chloroethane	10.3	10.0	103	10.1	10.0	101	56-146	2	20
Trichlorofluoromethane	10.3	10.0	103	9.21	10.0	92	69-139	11	20
1,1,2-Trichlorotrifluoroethane	10.4	10.0	104	9.71	10.0	97	83-130	7	20
1,1-Dichloroethene	9.87	10.0	99	9.49	10.0	95	65-112	4	20
Acetone	30.0	40.0	75	36.8	40.0	92	68-128	20	20
Iodomethane	42.7	40.0	107	42.0	40.0	105	68-144	2	20
Carbon Disulfide	42.1	40.0	105	41.0	40.0	102	67-140	3	20
Methylene Chloride	10.8	10.0	108	11.3	10.0	113	70-113	5	20
Methyl tert-Butyl Ether	8.73	10.0	87	9.47	10.0	95	75-115	8	20
trans-1,2-Dichloroethene	9.91	10.0	99	9.96	10.0	100	73-118	1	20
1,1-Dichloroethane	10.4	10.0	104	10.7	10.0	107	77-127	3	20
Vinyl Acetate	37.5	40.0	94	41.9	40.0	105	51-202	11	39
2,2-Dichloropropane	10.2	10.0	102	10.1	10.0	101	75-132	1	20
2-Butanone (MEK)	28.9	40.0	72	29.2	40.0	73	72-122	1	20
cis-1,2-Dichloroethene	10.5	10.0	105	10.5	10.0	105	81-118	0	20
Bromochloromethane	10.9	10.0	109	11.4	10.0	114	82-114	4	20
Chloroform	9.52	10.0	95	9.80	10.0	98	78-119	3	20
1,1,1-Trichloroethane	9.52	10.0	95	9.22	10.0	92	71-125	3	20
Carbon Tetrachloride	9.48	10.0	95	9.04	10.0	90	69-130	5	20
1,1-Dichloropropene	10.1	10.0	101	9.89	10.0	99	77-114	2	20
Benzene	9.65	10.0	97	9.66	10.0	97	81-117	0	20
1,2-Dichloroethane	8.90	10.0	89	9.07	10.0	91	67-122	2	20
Trichloroethene	10.2	10.0	102	9.70	10.0	97	79-114	5	20
1,2-Dichloropropane	9.69	10.0	97	9.45	10.0	95	78-114	3	20
Dibromomethane	9.68	10.0	97	9.58	10.0	96	78-113	1	20
Bromodichloromethane	9.24	10.0	92	9.25	10.0	93	79-122	0	20
cis-1,3-Dichloropropene	9.84	10.0	98	9.77	10.0	98	82-118	1	20
4-Methyl-2-pentanone (MIBK)	38.4	40.0	96	38.1	40.0	95	75-115	1	20
Toluene	10.9	10.0	109	10.0	10.0	100	85-118	9	20
trans-1,3-Dichloropropene	9.62	10.0	96	9.36	10.0	94	79-121	3	20
1,1,2-Trichloroethane	9.88	10.0	99	10.2	10.0	102	79-116	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/20/2003
Date Analyzed: 03/20/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300365

	Lab Control Sample XWG0300365-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300365-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.8	10.0	108	9.99	10.0	100	76-127	8	20
2-Hexanone	31.6	40.0	79	34.3	40.0	86	65-120	8	20
1,3-Dichloropropane	9.79	10.0	98	9.73	10.0	97	81-116	1	20
Dibromochloromethane	9.92	10.0	99	9.33	10.0	93	77-119	6	20
1,2-Dibromoethane	9.48	10.0	95	9.25	10.0	93	79-116	2	20
Chlorobenzene	10.4	10.0	104	9.90	10.0	99	84-114	5	20
1,1,1,2-Tetrachloroethane	10.3	10.0	103	10.2	10.0	102	78-118	1	20
Ethylbenzene	10.5	10.0	105	10.2	10.0	102	79-124	4	20
m,p-Xylenes	21.6	20.0	108	20.8	20.0	104	75-131	4	20
o-Xylene	10.3	10.0	103	10.1	10.0	101	78-122	2	20
Styrene	10.9	10.0	109	10.5	10.0	105	80-126	3	20
Isopropylbenzene	10.2	10.0	102	9.88	10.0	99	75-126	3	20
Bromobenzene	10.4	10.0	104	10.5	10.0	105	82-122	1	20
1,2,3-Trichloropropane	9.63	10.0	96	9.79	10.0	98	77-118	2	20
n-Propylbenzene	10.9	10.0	109	10.6	10.0	106	75-129	3	20
2-Chlorotoluene	10.5	10.0	105	10.3	10.0	103	77-126	2	20
4-Chlorotoluene	10.4	10.0	104	10.3	10.0	103	82-120	2	20
1,3,5-Trimethylbenzene	10.6	10.0	106	10.4	10.0	104	75-130	2	20
tert-Butylbenzene	9.38	10.0	94	10.3	10.0	103	73-130	9	20
1,2,4-Trimethylbenzene	10.8	10.0	108	10.7	10.0	107	60-137	0	20
sec-Butylbenzene	10.5	10.0	105	10.2	10.0	102	68-131	2	20
1,3-Dichlorobenzene	10.5	10.0	105	10.5	10.0	105	71-137	0	20
4-Isopropyltoluene	10.9	10.0	109	10.7	10.0	107	68-134	2	20
Bromoform	8.83	10.0	88	8.91	10.0	89	70-118	1	20
1,1,2,2-Tetrachloroethane	9.86	10.0	99	9.82	10.0	98	72-122	0	20
1,4-Dichlorobenzene	10.0	10.0	100	9.76	10.0	98	82-114	3	20
1,2-Dichlorobenzene	9.79	10.0	98	9.78	10.0	98	81-118	0	20
n-Butylbenzene	10.5	10.0	105	9.92	10.0	99	71-125	5	20
1,2-Dibromo-3-chloropropane	7.95	10.0	80	8.16	10.0	82	55-131	3	20
1,2,4-Trichlorobenzene	10.7	10.0	107	10.9	10.0	109	75-123	2	20
Hexachlorobutadiene	11.3	10.0	113	11.2	10.0	112	63-140	1	20
Naphthalene	9.54	10.0	95	10.3	10.0	103	67-125	8	20
1,2,3-Trichlorobenzene	11.0	10.0	110	11.6	10.0	116	72-124	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/21/2003
Date Analyzed: 03/21/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300373

	Lab Control Sample XWG0300373-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300373-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	8.93	10.0	89	8.00	10.0	80	1-233	11	20
Chloromethane	9.31	10.0	93	8.70	10.0	87	46-156	7	20
Vinyl Chloride	10.7	10.0	107	10.0	10.0	100	51-158	6	20
Bromomethane	12.7	10.0	127	11.0	10.0	110	37-149	14	20
Chloroethane	11.9	10.0	119	9.96	10.0	100	56-146	17	20
Trichlorofluoromethane	11.9	10.0	119	9.23	10.0	92	69-139	25 R7	20
1,1,2-Trichlorotrifluoroethane	10.6	10.0	106	9.84	10.0	98	83-130	8	20
1,1-Dichloroethene	10.2	10.0	102	9.32	10.0	93	65-112	9	20
Acetone	31.0	40.0	78	29.6	40.0	74	68-128	5	20
Iodomethane	46.3	40.0	116	43.2	40.0	108	68-144	7	20
Carbon Disulfide	44.6	40.0	112	41.4	40.0	103	67-140	8	20
Methylene Chloride	11.1	10.0	111	10.3	10.0	103	70-113	8	20
Methyl tert-Butyl Ether	9.09	10.0	91	8.61	10.0	86	75-115	5	20
trans-1,2-Dichloroethene	10.2	10.0	102	9.76	10.0	98	73-118	4	20
1,1-Dichloroethane	10.5	10.0	105	10.3	10.0	103	77-127	2	20
Vinyl Acetate	35.3	40.0	88	35.7	40.0	89	51-202	1	39
2,2-Dichloropropane	10.2	10.0	102	10.3	10.0	103	75-132	1	20
2-Butanone (MEK)	30.3	40.0	76	33.8	40.0	84	72-122	11	20
cis-1,2-Dichloroethene	10.8	10.0	108	10.7	10.0	107	81-118	1	20
Bromochloromethane	10.9	10.0	109	10.9	10.0	109	82-114	0	20
Chloroform	9.76	10.0	98	9.67	10.0	97	78-119	1	20
1,1,1-Trichloroethane	9.16	10.0	92	9.29	10.0	93	71-125	1	20
Carbon Tetrachloride	9.24	10.0	92	9.15	10.0	92	69-130	1	20
1,1-Dichloropropene	10.0	10.0	100	10.1	10.0	101	77-114	0	20
Benzene	9.46	10.0	95	9.59	10.0	96	81-117	1	20
1,2-Dichloroethane	8.65	10.0	87	8.91	10.0	89	67-122	3	20
Trichloroethene	9.80	10.0	98	9.92	10.0	99	79-114	1	20
1,2-Dichloropropane	9.18	10.0	92	9.51	10.0	95	78-114	4	20
Dibromomethane	9.45	10.0	95	9.35	10.0	94	78-113	1	20
Bromodichloromethane	8.95	10.0	90	9.02	10.0	90	79-122	1	20
cis-1,3-Dichloropropene	9.57	10.0	96	9.63	10.0	96	82-118	1	20
4-Methyl-2-pentanone (MIBK)	40.3	40.0	101	35.9	40.0	90	75-115	11	20
Toluene	10.7	10.0	107	10.3	10.0	103	85-118	4	20
trans-1,3-Dichloropropene	9.22	10.0	92	8.80	10.0	88	79-121	5	20
1,1,2-Trichloroethane	9.51	10.0	95	9.19	10.0	92	79-116	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB
Sample Matrix: Water

Service Request: X2300202
Date Extracted: 03/21/2003
Date Analyzed: 03/21/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300373

	Lab Control Sample XWG0300373-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300373-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.8	10.0	108	10.0	10.0	100	76-127	7	20
2-Hexanone	30.3	40.0	76	30.5	40.0	76	65-120	1	20
1,3-Dichloropropane	9.61	10.0	96	8.93	10.0	89	81-116	7	20
Dibromochloromethane	9.36	10.0	94	9.17	10.0	92	77-119	2	20
1,2-Dibromoethane	9.35	10.0	94	8.87	10.0	89	79-116	5	20
Chlorobenzene	9.79	10.0	98	10.0	10.0	100	84-114	2	20
1,1,1,2-Tetrachloroethane	9.91	10.0	99	10.4	10.0	104	78-118	4	20
Ethylbenzene	10.1	10.0	101	10.2	10.0	102	79-124	2	20
m,p-Xylenes	20.6	20.0	103	21.2	20.0	106	75-131	3	20
o-Xylene	10.1	10.0	101	10.0	10.0	100	78-122	1	20
Styrene	10.3	10.0	103	10.6	10.0	106	80-126	2	20
Isopropylbenzene	9.90	10.0	99	10.1	10.0	101	75-126	2	20
Bromobenzene	10.3	10.0	103	10.4	10.0	104	82-122	1	20
1,2,3-Trichloropropane	9.31	10.0	93	9.49	10.0	95	77-118	2	20
n-Propylbenzene	10.5	10.0	105	10.6	10.0	106	75-129	0	20
2-Chlorotoluene	10.3	10.0	103	10.2	10.0	102	77-126	1	20
4-Chlorotoluene	10.3	10.0	103	10.3	10.0	103	82-120	0	20
1,3,5-Trimethylbenzene	10.5	10.0	105	10.3	10.0	103	75-130	1	20
tert-Butylbenzene	10.5	10.0	105	9.22	10.0	92	73-130	13	20
1,2,4-Trimethylbenzene	10.7	10.0	107	10.7	10.0	107	60-137	1	20
sec-Butylbenzene	10.4	10.0	104	10.4	10.0	104	68-131	0	20
1,3-Dichlorobenzene	10.6	10.0	106	10.6	10.0	106	71-137	0	20
4-Isopropyltoluene	10.9	10.0	109	10.8	10.0	108	68-134	0	20
Bromoform	8.19	10.0	82	9.08	10.0	91	70-118	10	20
1,1,2,2-Tetrachloroethane	9.18	10.0	92	9.45	10.0	95	72-122	3	20
1,4-Dichlorobenzene	9.65	10.0	97	9.62	10.0	96	82-114	0	20
1,2-Dichlorobenzene	9.63	10.0	96	9.76	10.0	98	81-118	1	20
n-Butylbenzene	9.78	10.0	98	9.88	10.0	99	71-125	1	20
1,2-Dibromo-3-chloropropane	8.24	10.0	82	8.73	10.0	87	55-131	6	20
1,2,4-Trichlorobenzene	10.3	10.0	103	11.4	10.0	114	75-123	10	20
Hexachlorobutadiene	11.0	10.0	110	11.0	10.0	110	63-140	0	20
Naphthalene	8.57	10.0	86	10.4	10.0	104	67-125	19	20
1,2,3-Trichlorobenzene	10.4	10.0	104	12.2	10.0	122	72-124	16	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 22, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 11, 2003. For your reference, these analyses have been assigned our service request number L2300556.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited 0000 48 ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA

Service Request : L2300556

Sample Name :	Lab Code :
Laboratory Control Sample	L2300318-LCS
Method Blank	L2300318-MB
Batch QC	L2300521-001S
Batch QC	L2300521-001SD
AVB91-0100-03131	L2300556-001
AVB81-0200-05107	L2300556-002
AVB96-0100-03125	L2300556-003
AVB94-0100-03132	L2300556-004
AVB94-0104-1000	L2300556-005

Approved By: _____ Date: 3/21/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Total Metals

Sample Name : AVB91-0100-03131
Lab Code : L2300556-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	11	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB91-0100-03131
Lab Code : L2300556-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	13	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Total Metals

Sample Name : AVB81-0200-05107
Lab Code : L2300556-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB81-0200-05107
Lab Code : L2300556-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Total Metals

Sample Name : AVB96-0100-03125
Lab Code : L2300556-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	21	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300556
Project Name :	WVB	**Date Collected :**	03/11/03
Project No. :	NA	**Date Received :**	03/11/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB96-0100-03125	**Units :**	ug/L (ppb)
Lab Code :	L2300556-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	18	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Total Metals

Sample Name : AVB94-0100-03132
Lab Code : L2300556-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	15	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB94-0100-03132
Lab Code : L2300556-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Total Metals

Sample Name : AVB94-0104-1000
Lab Code : L2300556-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : 03/11/03
Date Received : 03/11/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB94-0104-1000
Lab Code : L2300556-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : NA
Date Received : NA
Date Extracted : 03/18/03

Total Metals

Sample Name : Method Blank
Lab Code : L2300318-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/19/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : NA
Date Received : NA
Date Extracted : 03/18/03
Date Analyzed : 03/19/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300318-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	521	104	87-111	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : NA
Matrix : Water

Service Request : L2300556
Date Collected : NA
Date Received : NA
Date Extracted : 03/18/03
Date Analyzed : 03/19/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2300521-001S L2300521-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	15.3	530	529	103	103	87-105	<1	

Columbia Analytical Services INC.
An Employee - Owned Company

L2300556

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-11-03 PAGE 1 OF 1

PROJECT NAME WUB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beak

PHONE/FAX 4804964100

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Chromium #1103	Dissolved Chromium		REMARKS
AVB91-0100-03131	3-11-03	0750	~~202~~ 01	AQ		5		3											1	1		
AVB 81-0200-05107	"	0924	02	"		5		3											1	1		
AVB 96-0100-03125	"	1100	03	"		5		3											1	1		
AVB94-0100-03132	"	12.00	04	"		5		3											1	1		
~~AVB94-0104-1000~~	"	12.30	05	"		5		3											1	1		
~~AVB94-0102-1000~~	~~"~~	—	~~06~~	"		1		1														
			LK																			

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# ___

Bill To ___

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #: ___

Condition: ___

Lab No: X2300202

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	Beak	3-11-03 1300	[signature]	CAS	3/11/03 13.00
Leslie May	CAS	3-12-03 1600	Fedex		
Fedex			[signature]	CAS	3/13/03 0845

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

000054

SAMPLE RECEIPT FORM

Service Request No: L2300556 Client: BETK

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL ____

Golden State Overnight ____ Fed X ✓ TRACK: 834137865330 UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One) LK 3/13/03

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-500ml PI (HNO3) A
1-500ml PI (NP) B

Comments filter diss metals bottle in lab, Benny @ 1015

Initials, Date, Time LK 3/13/03 0845 3/13/03

r:\sr_forms\cooler.doc Rev. 1/17/02

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-11-03 PAGE 1 OF 1

PROJECT NAME WVB #

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Beak

PHONE/FAX 4804964100

SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total Chromium #6010	Dissolved Chromium			REMARKS
AVB91-0100-03131	3-11-03	0750	202-01	AQ		5		3											1	1			
AVB 81-0200-05107	"	0924	02	"		5		3											1	1			
AVB 96-0100-03125	"	1100	03	"		5		3											1	1			
AVB94-0100-03132	"	12.00	04	"		5		3											1	1			
AVB94-0104-1000	"	12.30	05	"		5		3											1	1			
AVB94-0102-1000	"	—	06	"		1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- I. Routine Report
- II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- III. Data Validation Report (includes All Raw Data)
- IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____

Shipping #: _____

Condition: _____

Lab No: X2300202

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beak	3-11-03 1300		CAS	3/11/03 13.00
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0202

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: ~~WVB~~ BEK Project Name: WVB

Sample(s) Received on: 3-11-03 date 13.09 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	(STANDARD)
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 8.7°C on ice		

Explanation of discrepancies: called Chuck Gordon - OK to analyze

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LL

Columbia Analytical Services INC.
An Employee-Owned Company

March 28, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: Re: WVBA/#03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 12, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300559). For your reference, the 8260B analyses have been assigned our service request number X2300207.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/td

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300207
Project:	WVBA/#03103154	**Date Received:**	3/12/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

CCV recovery for Dichlorodifluoromethane for 8260B on 3/23/03 was below method acceptance limits. This compound was detected in the method reporting limit standard that was analyzed with this batch. This verifies that the compound would be detected if present in the samples.

Surrogate recovery for AVB101-0400-14000 and XWG0300385-4 for 8260B was above laboratory acceptance limits, but within method acceptance limits.

Matrix spike recovery for several compounds for XWG0300381 for 8260B was low, the method control sample recovery was acceptable.

Matrix spike recovery for Hexachlorobutadiene for XWG0300381-2 for 8260B was high, the method control sample recovery was acceptable.

The accuracy of the spike recovery value is reduced since the analyte concentration for Trichloroethene in the XWG0300381 is disproportionate to spike level. The method control sample recovery was acceptable.

Matrix spike recovery for several compounds for XWG0300385 for 8260B was high, the method control sample recovery was acceptable.

Matrix spike recovery for 2-Butanone in XWG0300385 for 8260B was low, the method control sample recovery was acceptable.

The LCS recovery for Methylene Chloride for XWG0300381-3 for 8260B was high. This compound was not detected in any of the samples analyzed with this batch.

Approved by_____ Date 3-28-03

The LCS/DLCS recovery for 2-Butanone for XWG0300381 for 8260B was low. This compound was detected in the method reporting limit standard that was analyzed with this batch. This verifies that the compound would be detected if present in the samples.

Approved by _____ **Date** 3-28-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#03103154

Service Request: X2300207

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB93-0100-03130	X2300207-001	03/12/2003	03/12/2003
AVB20-0300-02126	X2300207-002	03/12/2003	03/12/2003
AVB100-0100-02131	X2300207-003	03/12/2003	03/12/2003
AVB101-0100-13115	X2300207-004	03/12/2003	03/12/2003
AVB101-0400-14000	X2300207-005	03/12/2003	03/12/2003
AVB101-0404-1000	X2300207-006	03/12/2003	03/12/2003
AVB101-0401-14000	X2300207-007	03/12/2003	03/12/2003
AVB101-0402-1000	X2300207-008	03/12/2003	03/12/2003
AVB101-0400-14000MS	XWG0300381-1	03/12/2003	03/12/2003
AVB101-0400-14000DMS	XWG0300381-2	03/12/2003	03/12/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 3-28-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB93-0100-03130
Lab Code: X2300207-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	**1.7**		1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	**0.59**		0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	ND	U	1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	**5.8**		0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	ND	U	0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB93-0100-03130
Lab Code: X2300207-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	**200**	D	5.0	10	03/24/03	03/24/03	D2
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB93-0100-03130
Lab Code: X2300207-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	88	84-113	03/23/03	
Toluene-d8	106	68-126	03/23/03	
4-Bromofluorobenzene	92	79-113	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB20-0300-02126
Lab Code: X2300207-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	**1.8**		1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	**3.9**		0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	**1.9**		1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	**1.3**		0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	**38**		0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	**0.59**		0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB20-0300-02126
Lab Code: X2300207-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	**8.0**		0.50	1	03/23/03	03/23/03	
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB20-0300-02126
Lab Code: X2300207-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	93	84-113	03/23/03	
Toluene-d8	110	68-126	03/23/03	
4-Bromofluorobenzene	96	79-113	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB100-0100-02131
Lab Code: X2300207-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	**1.8**		1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	**1.1**		0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	ND	U	1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	**2.7**		0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	ND	U	0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB100-0100-02131
Lab Code: X2300207-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	**370**	D	5.0	10	03/24/03	03/24/03	D2
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB100-0100-02131
Lab Code: X2300207-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	92	84-113	03/23/03	
Toluene-d8	107	68-126	03/23/03	
4-Bromofluorobenzene	98	79-113	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0100-13115
Lab Code: X2300207-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/24/03	03/24/03	
Chloromethane	ND	U	2.0	1	03/24/03	03/24/03	
Vinyl Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Bromomethane	ND	U	1.0	1	03/24/03	03/24/03	
Chloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Trichlorofluoromethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1-Dichloroethene	**1.8**		1.0	1	03/24/03	03/24/03	
Acetone	ND	U	10	1	03/24/03	03/24/03	
Iodomethane	ND	U	2.0	1	03/24/03	03/24/03	
Carbon Disulfide	ND	U	2.0	1	03/24/03	03/24/03	
Methylene Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/24/03	03/24/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Vinyl Acetate	ND	U	3.0	1	03/24/03	03/24/03	
2,2-Dichloropropane	ND	U	2.0	1	03/24/03	03/24/03	
2-Butanone (MEK)	ND	U	8.0	1	03/24/03	03/24/03	
cis-1,2-Dichloroethene	**2.8**		0.50	1	03/24/03	03/24/03	
Bromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
Chloroform	**4.7**		1.0	1	03/24/03	03/24/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Carbon Tetrachloride	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
Benzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Trichloroethene	**77**		0.50	1	03/24/03	03/24/03	
1,2-Dichloropropane	ND	U	0.50	1	03/24/03	03/24/03	
Dibromomethane	ND	U	0.50	1	03/24/03	03/24/03	
Bromodichloromethane	ND	U	0.50	1	03/24/03	03/24/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/24/03	03/24/03	
Toluene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0100-13115
Lab Code: X2300207-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Tetrachloroethene	**22**		0.50	1	03/24/03	03/24/03	
2-Hexanone	ND	U	5.0	1	03/24/03	03/24/03	
1,3-Dichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
Dibromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromoethane	ND	U	0.50	1	03/24/03	03/24/03	
Chlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Ethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
m,p-Xylenes	ND	U	1.0	1	03/24/03	03/24/03	
o-Xylene	ND	U	0.50	1	03/24/03	03/24/03	
Styrene	ND	U	0.50	1	03/24/03	03/24/03	
Isopropylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
Bromobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
n-Propylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
2-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
4-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
tert-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
sec-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
4-Isopropyltoluene	ND	U	0.50	1	03/24/03	03/24/03	
Bromoform	ND	U	0.50	1	03/24/03	03/24/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
n-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/24/03	03/24/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
Hexachlorobutadiene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0100-13115
Lab Code: X2300207-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/24/03	03/24/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	111	84-113	03/24/03	
Toluene-d8	116	68-126	03/24/03	
4-Bromofluorobenzene	110	79-113	03/24/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/24/03	03/24/03	
Chloromethane	ND	U	2.0	1	03/24/03	03/24/03	
Vinyl Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Bromomethane	ND	U	1.0	1	03/24/03	03/24/03	
Chloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Trichlorofluoromethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichlorotrifluoroethane	**1.7**		1.0	1	03/24/03	03/24/03	
1,1-Dichloroethene	**1.3**		1.0	1	03/24/03	03/24/03	
Acetone	ND	U	10	1	03/24/03	03/24/03	
Iodomethane	ND	U	2.0	1	03/24/03	03/24/03	
Carbon Disulfide	ND	U	2.0	1	03/24/03	03/24/03	
Methylene Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/24/03	03/24/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Vinyl Acetate	ND	U	3.0	1	03/24/03	03/24/03	
2,2-Dichloropropane	ND	U	2.0	1	03/24/03	03/24/03	
2-Butanone (MEK)	ND	U	8.0	1	03/24/03	03/24/03	
cis-1,2-Dichloroethene	**1.6**		0.50	1	03/24/03	03/24/03	
Bromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
Chloroform	**3.3**		1.0	1	03/24/03	03/24/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Carbon Tetrachloride	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
Benzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichloroethane	**0.52**		0.50	1	03/24/03	03/24/03	
Trichloroethene	**60**		0.50	1	03/24/03	03/24/03	
1,2-Dichloropropane	ND	U	0.50	1	03/24/03	03/24/03	
Dibromomethane	ND	U	0.50	1	03/24/03	03/24/03	
Bromodichloromethane	ND	U	0.50	1	03/24/03	03/24/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/24/03	03/24/03	
Toluene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Tetrachloroethene	**17**		0.50	1	03/24/03	03/24/03	
2-Hexanone	ND	U	5.0	1	03/24/03	03/24/03	
1,3-Dichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
Dibromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromoethane	ND	U	0.50	1	03/24/03	03/24/03	
Chlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Ethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
m,p-Xylenes	ND	U	1.0	1	03/24/03	03/24/03	
o-Xylene	ND	U	0.50	1	03/24/03	03/24/03	
Styrene	ND	U	0.50	1	03/24/03	03/24/03	
Isopropylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
Bromobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
n-Propylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
2-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
4-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
tert-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
sec-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
4-Isopropyltoluene	ND	U	0.50	1	03/24/03	03/24/03	
Bromoform	ND	U	0.50	1	03/24/03	03/24/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
n-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/24/03	03/24/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
Hexachlorobutadiene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/24/03	03/24/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	114	84-113	03/24/03	S1
Toluene-d8	116	68-126	03/24/03	
4-Bromofluorobenzene	108	79-113	03/24/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0404-1000
Lab Code: X2300207-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	ND	U	1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	ND	U	1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	ND	U	0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0404-1000
Lab Code: X2300207-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	ND	U	0.50	1	03/23/03	03/23/03	
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0404-1000
Lab Code: X2300207-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	92	84-113	03/23/03	
Toluene-d8	104	68-126	03/23/03	
4-Bromofluorobenzene	97	79-113	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0401-14000
Lab Code: X2300207-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/24/03	03/24/03	
Chloromethane	ND	U	2.0	1	03/24/03	03/24/03	
Vinyl Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Bromomethane	ND	U	1.0	1	03/24/03	03/24/03	
Chloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Trichlorofluoromethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichlorotrifluoroethane	**1.8**		1.0	1	03/24/03	03/24/03	
1,1-Dichloroethene	ND	U	1.0	1	03/24/03	03/24/03	
Acetone	ND	U	10	1	03/24/03	03/24/03	
Iodomethane	ND	U	2.0	1	03/24/03	03/24/03	
Carbon Disulfide	ND	U	2.0	1	03/24/03	03/24/03	
Methylene Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/24/03	03/24/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Vinyl Acetate	ND	U	3.0	1	03/24/03	03/24/03	
2,2-Dichloropropane	ND	U	2.0	1	03/24/03	03/24/03	
2-Butanone (MEK)	ND	U	8.0	1	03/24/03	03/24/03	
cis-1,2-Dichloroethene	**1.6**		0.50	1	03/24/03	03/24/03	
Bromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
Chloroform	**3.4**		1.0	1	03/24/03	03/24/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Carbon Tetrachloride	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
Benzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichloroethane	**0.54**		0.50	1	03/24/03	03/24/03	
Trichloroethene	**64**		0.50	1	03/24/03	03/24/03	
1,2-Dichloropropane	ND	U	0.50	1	03/24/03	03/24/03	
Dibromomethane	ND	U	0.50	1	03/24/03	03/24/03	
Bromodichloromethane	ND	U	0.50	1	03/24/03	03/24/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/24/03	03/24/03	
Toluene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0401-14000
Lab Code: X2300207-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Tetrachloroethene	**19**		0.50	1	03/24/03	03/24/03	
2-Hexanone	ND	U	5.0	1	03/24/03	03/24/03	
1,3-Dichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
Dibromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromoethane	ND	U	0.50	1	03/24/03	03/24/03	
Chlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Ethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
m,p-Xylenes	ND	U	1.0	1	03/24/03	03/24/03	
o-Xylene	ND	U	0.50	1	03/24/03	03/24/03	
Styrene	ND	U	0.50	1	03/24/03	03/24/03	
Isopropylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
Bromobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
n-Propylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
2-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
4-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
tert-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
sec-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
4-Isopropyltoluene	ND	U	0.50	1	03/24/03	03/24/03	
Bromoform	ND	U	0.50	1	03/24/03	03/24/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
n-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/24/03	03/24/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
Hexachlorobutadiene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0401-14000
Lab Code: X2300207-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/24/03	03/24/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	110	84-113	03/24/03	
Toluene-d8	115	68-126	03/24/03	
4-Bromofluorobenzene	108	79-113	03/24/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0402-1000
Lab Code: X2300207-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	ND	U	1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	ND	U	1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	ND	U	0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0402-1000
Lab Code: X2300207-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	ND	U	0.50	1	03/23/03	03/23/03	
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: 03/12/2003
Date Received: 03/12/2003

Volatile Organic Compounds

Sample Name: AVB101-0402-1000
Lab Code: X2300207-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	94	84-113	03/23/03	
Toluene-d8	112	68-126	03/23/03	
4-Bromofluorobenzene	94	79-113	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300381-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/23/03	03/23/03	N1V4
Chloromethane	ND	U	2.0	1	03/23/03	03/23/03	
Vinyl Chloride	ND	U	1.0	1	03/23/03	03/23/03	
Bromomethane	ND	U	1.0	1	03/23/03	03/23/03	
Chloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Trichlorofluoromethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,1-Dichloroethene	ND	U	1.0	1	03/23/03	03/23/03	
Acetone	ND	U	10	1	03/23/03	03/23/03	
Iodomethane	ND	U	2.0	1	03/23/03	03/23/03	
Carbon Disulfide	ND	U	2.0	1	03/23/03	03/23/03	
Methylene Chloride	ND	U	1.0	1	03/23/03	03/23/03	L1
Methyl tert-Butyl Ether	ND	U	1.0	1	03/23/03	03/23/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Vinyl Acetate	ND	U	3.0	1	03/23/03	03/23/03	
2,2-Dichloropropane	ND	U	2.0	1	03/23/03	03/23/03	
2-Butanone (MEK)	ND	U	8.0	1	03/23/03	03/23/03	L2
cis-1,2-Dichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
Bromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
Chloroform	ND	U	1.0	1	03/23/03	03/23/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Carbon Tetrachloride	ND	U	0.50	1	03/23/03	03/23/03	
1,1-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
Benzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Trichloroethene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichloropropane	ND	U	0.50	1	03/23/03	03/23/03	
Dibromomethane	ND	U	0.50	1	03/23/03	03/23/03	
Bromodichloromethane	ND	U	0.50	1	03/23/03	03/23/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/23/03	03/23/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/23/03	03/23/03	
Toluene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300381-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/23/03	03/23/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/23/03	03/23/03	
Tetrachloroethene	ND	U	0.50	1	03/23/03	03/23/03	
2-Hexanone	ND	U	5.0	1	03/23/03	03/23/03	
1,3-Dichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
Dibromochloromethane	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromoethane	ND	U	0.50	1	03/23/03	03/23/03	
Chlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/23/03	03/23/03	
Ethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
m,p-Xylenes	ND	U	1.0	1	03/23/03	03/23/03	
o-Xylene	ND	U	0.50	1	03/23/03	03/23/03	
Styrene	ND	U	0.50	1	03/23/03	03/23/03	
Isopropylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
Bromobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/23/03	03/23/03	
n-Propylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
2-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
4-Chlorotoluene	ND	U	0.50	1	03/23/03	03/23/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
tert-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
sec-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
4-Isopropyltoluene	ND	U	0.50	1	03/23/03	03/23/03	
Bromoform	ND	U	0.50	1	03/23/03	03/23/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/23/03	03/23/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
n-Butylbenzene	ND	U	0.50	1	03/23/03	03/23/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/23/03	03/23/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	
Hexachlorobutadiene	ND	U	0.50	1	03/23/03	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300381-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/23/03	03/23/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/23/03	03/23/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	92	84-113	03/23/03	
Toluene-d8	102	68-126	03/23/03	
4-Bromofluorobenzene	96	79-113	03/23/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300385-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/24/03	03/24/03	
Chloromethane	ND	U	2.0	1	03/24/03	03/24/03	
Vinyl Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Bromomethane	ND	U	1.0	1	03/24/03	03/24/03	
Chloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Trichlorofluoromethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,1-Dichloroethene	ND	U	1.0	1	03/24/03	03/24/03	
Acetone	ND	U	10	1	03/24/03	03/24/03	
Iodomethane	ND	U	2.0	1	03/24/03	03/24/03	
Carbon Disulfide	ND	U	2.0	1	03/24/03	03/24/03	
Methylene Chloride	ND	U	1.0	1	03/24/03	03/24/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/24/03	03/24/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Vinyl Acetate	ND	U	3.0	1	03/24/03	03/24/03	
2,2-Dichloropropane	ND	U	2.0	1	03/24/03	03/24/03	
2-Butanone (MEK)	ND	U	8.0	1	03/24/03	03/24/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
Bromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
Chloroform	ND	U	1.0	1	03/24/03	03/24/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Carbon Tetrachloride	ND	U	0.50	1	03/24/03	03/24/03	
1,1-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
Benzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Trichloroethene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichloropropane	ND	U	0.50	1	03/24/03	03/24/03	
Dibromomethane	ND	U	0.50	1	03/24/03	03/24/03	
Bromodichloromethane	ND	U	0.50	1	03/24/03	03/24/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/24/03	03/24/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/24/03	03/24/03	
Toluene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300385-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/24/03	03/24/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/24/03	03/24/03	
Tetrachloroethene	ND	U	0.50	1	03/24/03	03/24/03	
2-Hexanone	ND	U	5.0	1	03/24/03	03/24/03	
1,3-Dichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
Dibromochloromethane	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromoethane	ND	U	0.50	1	03/24/03	03/24/03	
Chlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/24/03	03/24/03	
Ethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
m,p-Xylenes	ND	U	1.0	1	03/24/03	03/24/03	
o-Xylene	ND	U	0.50	1	03/24/03	03/24/03	
Styrene	ND	U	0.50	1	03/24/03	03/24/03	
Isopropylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
Bromobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/24/03	03/24/03	
n-Propylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
2-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
4-Chlorotoluene	ND	U	0.50	1	03/24/03	03/24/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
tert-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
sec-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
4-Isopropyltoluene	ND	U	0.50	1	03/24/03	03/24/03	
Bromoform	ND	U	0.50	1	03/24/03	03/24/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/24/03	03/24/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
n-Butylbenzene	ND	U	0.50	1	03/24/03	03/24/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/24/03	03/24/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	
Hexachlorobutadiene	ND	U	0.50	1	03/24/03	03/24/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300385-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/24/03	03/24/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/24/03	03/24/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	03/24/03	
Toluene-d8	104	68-126	03/24/03	
4-Bromofluorobenzene	102	79-113	03/24/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB93-0100-03130	X2300207-001	88	106	92
AVB20-0300-02126	X2300207-002	93	110	96
AVB100-0100-02131	X2300207-003	92	107	98
AVB101-0100-13115	X2300207-004	111	116	110
AVB101-0400-14000	X2300207-005	114 S1	116	108
AVB101-0404-1000	X2300207-006	92	104	97
AVB101-0401-14000	X2300207-007	110	115	108
AVB101-0402-1000	X2300207-008	94	112	94
Method Blank	XWG0300381-5	92	102	96
Method Blank	XWG0300385-3	104	104	102
Batch QC	X2300213-004	110	112	107
AVB101-0400-14000MS	XWG0300381-1	93	110	100
AVB101-0400-14000DMS	XWG0300381-2	89	108	96
Batch QCMS	XWG0300385-4	105	112	115 S1
Batch QCDMS	XWG0300385-5	102	110	113
Lab Control Sample	XWG0300381-3	91	102	96
Duplicate Lab Control Sample	XWG0300381-4	87	100	94
Lab Control Sample	XWG0300385-1	100	103	109
Duplicate Lab Control Sample	XWG0300385-2	100	100	109

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/23/2003
Date Analyzed: 03/23/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300381

Analyte Name	Sample Result	AVB101-0400-14000MS XWG0300381-1 Matrix Spike Result	Expected	%Rec	AVB101-0400-14000DMS XWG0300381-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	8.32	10.0	83	7.67	10.0	77 M2	78-207	8	20
Chloromethane	ND	9.31	10.0	93	8.39	10.0	84	70-157	10	20
Vinyl Chloride	ND	10.5	10.0	105	9.33	10.0	93	79-174	12	20
Bromomethane	ND	11.8	10.0	118	10.9	10.0	109	44-150	8	20
Chloroethane	ND	11.0	10.0	110	10.9	10.0	109	74-150	1	20
Trichlorofluoromethane	ND	11.4	10.0	114	10.8	10.0	108	80-134	5	20
1,1,2-Trichlorotrifluoroethane	1.7	11.6	10.0	98	11.1	10.0	93	67-128	4	20
1,1-Dichloroethene	1.3	11.0	10.0	97	10.4	10.0	91	71-142	5	20
Acetone	ND	36.3	40.0	91	32.5	40.0	81	1-155	11	20
Iodomethane	ND	35.2	40.0	88	33.3	40.0	83	47-120	6	20
Carbon Disulfide	ND	45.3	40.0	113	42.2	40.0	106	77-126	7	20
Methylene Chloride	ND	11.1	10.0	111	9.94	10.0	99	83-106	11	20
Methyl tert-Butyl Ether	ND	8.80	10.0	88	8.26	10.0	83	70-118	6	20
trans-1,2-Dichloroethene	ND	10.4	10.0	104	9.91	10.0	99	86-115	5	20
1,1-Dichloroethane	ND	11.3	10.0	113	10.9	10.0	109	77-127	3	20
Vinyl Acetate	ND	30.7	40.0	77	27.7	40.0	69	8-187	10	20
2,2-Dichloropropane	ND	9.92	10.0	99	9.33	10.0	93	25-154	6	20
2-Butanone (MEK)	ND	31.7	40.0	79	26.8	40.0	67	90-112	17	20
cis-1,2-Dichloroethene	1.6	12.5	10.0	109	11.8	10.0	102	69-118	6	20
Bromochloromethane	ND	8.98	10.0	90	7.73	10.0	77	47-136	15	20
Chloroform	3.3	12.2	10.0	90	12.0	10.0	87	48-143	2	20
1,1,1-Trichloroethane	ND	9.15	10.0	92	9.25	10.0	93	84-122	1	20
Carbon Tetrachloride	ND	8.96	10.0	90	8.75	10.0	88	79-120	2	20
1,1-Dichloropropene	ND	10.5	10.0	105	10.1	10.0	101	85-117	4	20
Benzene	ND	10.0	10.0	100	9.73	10.0	97	88-114	3	20
1,2-Dichloroethane	0.52	8.99	10.0	85	8.38	10.0	79	75-112	7	20
Trichloroethene	60	58.4	10.0	-20 M3	57.4	10.0	-30 M3	76-115	2	20
1,2-Dichloropropane	ND	9.91	10.0	99	9.57	10.0	96	85-107	3	20
Dibromomethane	ND	8.16	10.0	82	7.70	10.0	77 M2	82-106	6	20
Bromodichloromethane	ND	8.66	10.0	87	8.50	10.0	85	83-107	2	20
cis-1,3-Dichloropropene	ND	9.12	10.0	91	8.60	10.0	86	70-114	6	20
4-Methyl-2-pentanone (MIBK)	ND	33.3	40.0	83	35.6	40.0	89	54-129	7	20
Toluene	ND	10.4	10.0	104	10.4	10.0	104	86-114	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/23/2003
Date Analyzed: 03/23/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300381

Analyte Name	Sample Result	AVB101-0400-14000MS XWG0300381-1 Matrix Spike Result	Expected	%Rec	AVB101-0400-14000DMS XWG0300381-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	8.19	10.0	82	8.09	10.0	81	73-112	1	20
1,1,2-Trichloroethane	ND	8.66	10.0	87	8.70	10.0	87	79-112	0	20
Tetrachloroethene	17	23.2	10.0	65 M2	22.9	10.0	62 M2	78-130	1	20
2-Hexanone	ND	28.6	40.0	72 M2	26.9	40.0	67 M2	77-112	6	20
1,3-Dichloropropane	ND	9.02	10.0	90	8.57	10.0	86	45-133	5	20
Dibromochloromethane	ND	8.44	10.0	84	8.14	10.0	81	74-108	4	20
1,2-Dibromoethane	ND	8.43	10.0	84	7.79	10.0	78	73-113	8	20
Chlorobenzene	ND	9.96	10.0	100	9.64	10.0	96	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	9.74	10.0	97	9.42	10.0	94	84-119	3	20
Ethylbenzene	ND	10.3	10.0	103	10.3	10.0	103	47-136	0	20
m,p-Xylenes	ND	21.5	20.0	107	21.4	20.0	107	84-120	0	20
o-Xylene	ND	10.2	10.0	102	10.2	10.0	102	47-143	0	20
Styrene	ND	10.4	10.0	104	10.2	10.0	102	72-121	1	20
Isopropylbenzene	ND	9.99	10.0	100	9.95	10.0	100	63-108	0	20
Bromobenzene	ND	9.46	10.0	95	9.41	10.0	94	80-113	1	20
1,2,3-Trichloropropane	ND	8.71	10.0	87	8.70	10.0	87	78-119	0	20
n-Propylbenzene	ND	10.6	10.0	106	10.6	10.0	106	76-117	1	20
2-Chlorotoluene	ND	9.96	10.0	100	9.84	10.0	98	79-121	1	20
4-Chlorotoluene	ND	9.73	10.0	97	9.71	10.0	97	70-133	0	20
1,3,5-Trimethylbenzene	ND	10.3	10.0	103	10.1	10.0	101	79-118	3	20
tert-Butylbenzene	ND	10.3	10.0	103	10.1	10.0	101	77-120	2	20
1,2,4-Trimethylbenzene	ND	10.5	10.0	105	10.2	10.0	102	68-127	3	20
sec-Butylbenzene	ND	10.4	10.0	104	10.1	10.0	101	78-123	2	20
1,3-Dichlorobenzene	ND	9.84	10.0	98	9.39	10.0	94	78-127	5	20
4-Isopropyltoluene	ND	10.4	10.0	104	10.3	10.0	103	79-142	1	20
Bromoform	ND	7.97	10.0	80 M2	8.07	10.0	81 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	9.36	10.0	94	9.24	10.0	92	66-133	1	20
1,4-Dichlorobenzene	ND	9.59	10.0	96	9.72	10.0	97	48-139	1	20
1,2-Dichlorobenzene	ND	9.35	10.0	94	9.43	10.0	94	64-109	1	20
n-Butylbenzene	ND	10.5	10.0	105	10.7	10.0	107	69-122	2	20
1,2-Dibromo-3-chloropropane	ND	6.91	10.0	69	6.82	10.0	68	54-160	1	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	39-145	1	20
Hexachlorobutadiene	ND	10.9	10.0	109	11.4	10.0	114 M1	74-113	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/23/2003
Date Analyzed: 03/23/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB101-0400-14000
Lab Code: X2300207-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300381

Analyte Name	Sample Result	AVB101-0400-14000MS XWG0300381-1 Matrix Spike			AVB101-0400-14000DMS XWG0300381-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	8.99	10.0	90	8.41	10.0	84	44-167	7	20
1,2,3-Trichlorobenzene	ND	9.87	10.0	99	10.1	10.0	101	37-158	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/24/2003
Date Analyzed: 03/24/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300213-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300385

Analyte Name	Sample Result	Batch QCMS XWG0300385-4 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300385-5 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	13.9	10.0	139	13.4	10.0	134	78-207	4	20
Chloromethane	ND	10.7	10.0	107	10.5	10.0	105	70-157	2	20
Vinyl Chloride	ND	13.3	10.0	133	12.7	10.0	127	79-174	5	20
Bromomethane	ND	9.29	10.0	93	8.85	10.0	89	44-150	5	20
Chloroethane	ND	13.2	10.0	132	11.5	10.0	115	74-150	14	20
Trichlorofluoromethane	ND	13.9	10.0	139 M1	13.3	10.0	133	80-134	5	20
1,1,2-Trichlorotrifluoroethane	ND	13.4	10.0	134 M1	12.8	10.0	128	67-128	4	20
1,1-Dichloroethene	4.3	16.8	10.0	126	16.3	10.0	120	71-142	4	20
Acetone	ND	32.5	40.0	81	35.8	40.0	90	1-155	10	20
Iodomethane	ND	34.7	40.0	87	34.0	40.0	85	47-120	2	20
Carbon Disulfide	ND	54.2	40.0	135 M1	52.3	40.0	131 M1	77-126	4	20
Methylene Chloride	ND	10.4	10.0	104	10.1	10.0	101	83-106	3	20
Methyl tert-Butyl Ether	1.4	10.1	10.0	87	10.4	10.0	90	70-118	3	20
trans-1,2-Dichloroethene	ND	11.3	10.0	113	10.8	10.0	108	86-115	5	20
1,1-Dichloroethane	ND	11.5	10.0	115	11.2	10.0	112	77-127	3	20
Vinyl Acetate	ND	37.1	40.0	93	38.8	40.0	97	8-187	5	20
2,2-Dichloropropane	ND	12.3	10.0	123	12.0	10.0	120	25-154	3	20
2-Butanone (MEK)	ND	34.8	40.0	87 M2	37.5	40.0	94	90-112	8	20
cis-1,2-Dichloroethene	ND	10.9	10.0	109	10.5	10.0	105	69-118	3	20
Bromochloromethane	ND	9.96	10.0	100	9.94	10.0	99	47-136	0	20
Chloroform	ND	11.2	10.0	112	10.9	10.0	109	48-143	2	20
1,1,1-Trichloroethane	ND	12.2	10.0	122	11.7	10.0	117	84-122	5	20
Carbon Tetrachloride	ND	13.5	10.0	135 M1	13.2	10.0	132 M1	79-120	3	20
1,1-Dichloropropene	ND	13.3	10.0	133 M1	12.7	10.0	127 M1	85-117	4	20
Benzene	ND	11.4	10.0	114	11.1	10.0	111	88-114	3	20
1,2-Dichloroethane	ND	9.55	10.0	96	9.56	10.0	96	75-112	0	20
Trichloroethene	8.0	19.8	10.0	119 M1	19.2	10.0	112	76-115	3	20
1,2-Dichloropropane	ND	10.3	10.0	103	10.0	10.0	100	85-107	3	20
Dibromomethane	ND	9.59	10.0	96	9.62	10.0	96	82-106	0	20
Bromodichloromethane	ND	10.2	10.0	102	9.99	10.0	100	83-107	2	20
cis-1,3-Dichloropropene	ND	10.7	10.0	107	10.5	10.0	105	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	36.5	40.0	91	37.4	40.0	94	54-129	3	20
Toluene	ND	11.9	10.0	119 M1	11.7	10.0	117 M1	86-114	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/24/2003
Date Analyzed: 03/24/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300213-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300385

Analyte Name	Sample Result	Batch QCMS XWG0300385-4 Matrix Spike			Batch QCDMS XWG0300385-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
trans-1,3-Dichloropropene	ND	10.4	10.0	104	10.4	10.0	104	73-112	0	20
1,1,2-Trichloroethane	ND	9.46	10.0	95	9.59	10.0	96	79-112	1	20
Tetrachloroethene	2.3	14.9	10.0	127	14.4	10.0	121	78-130	4	20
2-Hexanone	ND	35.3	40.0	88	38.0	40.0	95	77-112	7	20
1,3-Dichloropropane	ND	9.84	10.0	98	10.0	10.0	100	45-133	2	20
Dibromochloromethane	ND	9.83	10.0	98	9.73	10.0	97	74-108	1	20
1,2-Dibromoethane	ND	9.92	10.0	99	10.2	10.0	102	73-113	2	20
Chlorobenzene	ND	11.0	10.0	110	10.6	10.0	106	84-111	3	20
1,1,1,2-Tetrachloroethane	ND	10.2	10.0	102	10.1	10.0	101	84-119	1	20
Ethylbenzene	ND	12.2	10.0	122	11.8	10.0	118	47-136	3	20
m,p-Xylenes	ND	24.2	20.0	121 M1	23.7	20.0	118	84-120	2	20
o-Xylene	ND	11.6	10.0	116	11.1	10.0	111	47-143	4	20
Styrene	ND	11.3	10.0	113	11.0	10.0	110	72-121	3	20
Isopropylbenzene	ND	12.5	10.0	125 M1	12.1	10.0	121 M1	63-108	3	20
Bromobenzene	ND	10.5	10.0	105	10.5	10.0	105	80-113	0	20
1,2,3-Trichloropropane	ND	9.69	10.0	97	9.89	10.0	99	78-119	2	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.4	10.0	124 M1	76-117	2	20
2-Chlorotoluene	ND	11.7	10.0	117	11.5	10.0	115	79-121	2	20
4-Chlorotoluene	ND	11.6	10.0	116	11.4	10.0	114	70-133	2	20
1,3,5-Trimethylbenzene	ND	12.2	10.0	122 M1	12.0	10.0	120 M1	79-118	2	20
tert-Butylbenzene	ND	13.2	10.0	132 M1	12.9	10.0	129 M1	77-120	2	20
1,2,4-Trimethylbenzene	ND	11.9	10.0	119	11.6	10.0	116	68-127	3	20
sec-Butylbenzene	ND	12.5	10.0	125 M1	12.2	10.0	122	78-123	3	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.6	10.0	106	78-127	1	20
4-Isopropyltoluene	ND	13.3	10.0	133	13.0	10.0	130	79-142	2	20
Bromoform	ND	9.38	10.0	94	9.70	10.0	97	83-111	3	20
1,1,2,2-Tetrachloroethane	ND	9.75	10.0	98	10.1	10.0	101	66-133	3	20
1,4-Dichlorobenzene	ND	10.8	10.0	108	10.6	10.0	106	48-139	3	20
1,2-Dichlorobenzene	ND	10.8	10.0	108	10.6	10.0	106	64-109	1	20
n-Butylbenzene	ND	12.9	10.0	129 M1	12.4	10.0	124 M1	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	8.14	10.0	81	8.64	10.0	86	54-160	6	20
1,2,4-Trichlorobenzene	ND	10.7	10.0	107	10.8	10.0	108	39-145	0	20
Hexachlorobutadiene	ND	13.6	10.0	136 M1	13.4	10.0	134 M1	74-113	1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/24/2003
Date Analyzed: 03/24/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300213-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300385

Analyte Name	Sample Result	Batch QCMS XWG0300385-4 Matrix Spike			Batch QCDMS XWG0300385-5 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.84	10.0	98	10.3	10.0	103	44-167	5	20
1,2,3-Trichlorobenzene	ND	10.7	10.0	107	10.9	10.0	109	37-158	2	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/23/2003
Date Analyzed: 03/23/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300381

	Lab Control Sample XWG0300381-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300381-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	7.96	10.0	80	7.17	10.0	72	1-233	10	20
Chloromethane	9.66	10.0	97	8.80	10.0	88	46-156	9	20
Vinyl Chloride	10.5	10.0	105	10.2	10.0	102	51-158	3	20
Bromomethane	12.5	10.0	125	10.8	10.0	108	37-149	15	20
Chloroethane	11.3	10.0	113	11.4	10.0	114	56-146	1	20
Trichlorofluoromethane	10.0	10.0	100	10.4	10.0	104	69-139	4	20
1,1,2-Trichlorotrifluoroethane	10.4	10.0	104	9.89	10.0	99	83-130	5	20
1,1-Dichloroethene	9.94	10.0	99	9.87	10.0	99	65-112	1	20
Acetone	34.2	40.0	86	35.8	40.0	89	68-128	5	20
Iodomethane	43.0	40.0	108	43.0	40.0	107	68-144	0	20
Carbon Disulfide	44.7	40.0	112	43.1	40.0	108	67-140	4	20
Methylene Chloride	11.5	10.0	115 L1	10.5	10.0	105	70-113	9	20
Methyl tert-Butyl Ether	9.08	10.0	91	8.62	10.0	86	75-115	5	20
trans-1,2-Dichloroethene	10.4	10.0	104	10.3	10.0	103	73-118	1	20
1,1-Dichloroethane	11.2	10.0	112	11.1	10.0	111	77-127	1	20
Vinyl Acetate	36.8	40.0	92	27.8	40.0	69	51-202	28	39
2,2-Dichloropropane	10.1	10.0	101	9.94	10.0	99	75-132	2	20
2-Butanone (MEK)	28.5	40.0	71 L2	27.2	40.0	68 L2	72-122	5	20
cis-1,2-Dichloroethene	10.4	10.0	104	10.6	10.0	106	81-118	2	20
Bromochloromethane	10.9	10.0	109	10.5	10.0	105	82-114	4	20
Chloroform	9.63	10.0	96	9.44	10.0	94	78-119	2	20
1,1,1-Trichloroethane	9.19	10.0	92	9.11	10.0	91	71-125	1	20
Carbon Tetrachloride	8.77	10.0	88	8.74	10.0	87	69-130	0	20
1,1-Dichloropropene	10.3	10.0	103	10.1	10.0	101	77-114	2	20
Benzene	9.72	10.0	97	9.68	10.0	97	81-117	0	20
1,2-Dichloroethane	8.78	10.0	88	8.56	10.0	86	67-122	3	20
Trichloroethene	9.61	10.0	96	9.70	10.0	97	79-114	1	20
1,2-Dichloropropane	10.5	10.0	105	9.75	10.0	98	78-114	8	20
Dibromomethane	9.21	10.0	92	8.94	10.0	89	78-113	3	20
Bromodichloromethane	8.74	10.0	87	8.57	10.0	86	79-122	2	20
cis-1,3-Dichloropropene	9.83	10.0	98	9.43	10.0	94	82-118	4	20
4-Methyl-2-pentanone (MIBK)	37.8	40.0	95	34.0	40.0	85	75-115	11	20
Toluene	10.5	10.0	105	10.3	10.0	103	85-118	2	20
trans-1,3-Dichloropropene	8.77	10.0	88	8.64	10.0	86	79-121	1	20
1,1,2-Trichloroethane	9.34	10.0	93	8.97	10.0	90	79-116	4	20

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Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/23/2003
Date Analyzed: 03/23/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300381

	Lab Control Sample XWG0300381-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300381-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.76	10.0	98	9.85	10.0	99	76-127	1	20
2-Hexanone	31.7	40.0	79	28.5	40.0	71	65-120	11	20
1,3-Dichloropropane	9.09	10.0	91	8.83	10.0	88	81-116	3	20
Dibromochloromethane	8.67	10.0	87	8.42	10.0	84	77-119	3	20
1,2-Dibromoethane	9.07	10.0	91	8.32	10.0	83	79-116	9	20
Chlorobenzene	9.63	10.0	96	9.66	10.0	97	84-114	0	20
1,1,1,2-Tetrachloroethane	9.66	10.0	97	9.44	10.0	94	78-118	2	20
Ethylbenzene	9.99	10.0	100	10.0	10.0	100	79-124	0	20
m,p-Xylenes	20.8	20.0	104	20.5	20.0	103	75-131	1	20
o-Xylene	9.98	10.0	100	9.91	10.0	99	78-122	1	20
Styrene	10.3	10.0	103	10.3	10.0	103	80-126	0	20
Isopropylbenzene	9.74	10.0	97	9.67	10.0	97	75-126	1	20
Bromobenzene	9.57	10.0	96	9.26	10.0	93	82-122	3	20
1,2,3-Trichloropropane	9.13	10.0	91	8.80	10.0	88	77-118	4	20
n-Propylbenzene	10.4	10.0	104	10.4	10.0	104	75-129	0	20
2-Chlorotoluene	9.94	10.0	99	9.92	10.0	99	77-126	0	20
4-Chlorotoluene	9.79	10.0	98	9.60	10.0	96	82-120	2	20
1,3,5-Trimethylbenzene	10.1	10.0	101	10.1	10.0	101	75-130	0	20
tert-Butylbenzene	10.1	10.0	101	10.1	10.0	101	73-130	0	20
1,2,4-Trimethylbenzene	10.4	10.0	104	10.4	10.0	104	60-137	1	20
sec-Butylbenzene	10.4	10.0	104	10.2	10.0	102	68-131	2	20
1,3-Dichlorobenzene	9.92	10.0	99	9.57	10.0	96	71-137	4	20
4-Isopropyltoluene	10.4	10.0	104	10.3	10.0	103	68-134	1	20
Bromoform	8.64	10.0	86	8.45	10.0	85	70-118	2	20
1,1,2,2-Tetrachloroethane	10.2	10.0	102	9.16	10.0	92	72-122	11	20
1,4-Dichlorobenzene	9.72	10.0	97	9.78	10.0	98	82-114	1	20
1,2-Dichlorobenzene	9.75	10.0	98	9.56	10.0	96	81-118	2	20
n-Butylbenzene	10.5	10.0	105	10.3	10.0	103	71-125	2	20
1,2-Dibromo-3-chloropropane	8.21	10.0	82	7.11	10.0	71	55-131	14	20
1,2,4-Trichlorobenzene	10.7	10.0	107	10.3	10.0	103	75-123	4	20
Hexachlorobutadiene	10.5	10.0	105	10.2	10.0	102	63-140	2	20
Naphthalene	9.94	10.0	99	9.34	10.0	93	67-125	6	20
1,2,3-Trichlorobenzene	10.8	10.0	108	10.2	10.0	102	72-124	6	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/24/2003
Date Analyzed: 03/24/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300385

	Lab Control Sample XWG0300385-1 Lab Control Spike			Duplicate Lab Control Sample XWG0300385-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	10.6	10.0	106	9.26	10.0	93	1-233	14	20
Chloromethane	9.81	10.0	98	9.34	10.0	93	46-156	5	20
Vinyl Chloride	11.4	10.0	114	10.7	10.0	107	51-158	7	20
Bromomethane	8.48	10.0	85	8.43	10.0	84	37-149	1	20
Chloroethane	10.8	10.0	108	10.3	10.0	103	56-146	5	20
Trichlorofluoromethane	11.6	10.0	116	10.2	10.0	102	69-139	12	20
1,1,2-Trichlorotrifluoroethane	10.9	10.0	109	9.58	10.0	96	83-130	13	20
1,1-Dichloroethene	10.7	10.0	107	9.92	10.0	99	65-112	8	20
Acetone	35.8	40.0	89	34.9	40.0	87	68-128	2	20
Iodomethane	34.8	40.0	87	33.4	40.0	83	68-144	4	20
Carbon Disulfide	47.6	40.0	119	44.3	40.0	111	67-140	7	20
Methylene Chloride	10.1	10.0	101	9.94	10.0	99	70-113	1	20
Methyl tert-Butyl Ether	9.18	10.0	92	9.40	10.0	94	75-115	2	20
trans-1,2-Dichloroethene	10.2	10.0	102	9.77	10.0	98	73-118	4	20
1,1-Dichloroethane	10.8	10.0	108	10.4	10.0	104	77-127	4	20
Vinyl Acetate	39.5	40.0	99	37.7	40.0	94	51-202	4	39
2,2-Dichloropropane	11.1	10.0	111	10.3	10.0	103	75-132	8	20
2-Butanone (MEK)	35.8	40.0	89	36.8	40.0	92	72-122	3	20
cis-1,2-Dichloroethene	10.3	10.0	103	10.1	10.0	101	81-118	2	20
Bromochloromethane	9.84	10.0	98	9.89	10.0	99	82-114	1	20
Chloroform	10.5	10.0	105	10.2	10.0	102	78-119	3	20
1,1,1-Trichloroethane	10.6	10.0	106	9.92	10.0	99	71-125	6	20
Carbon Tetrachloride	11.7	10.0	117	10.7	10.0	107	69-130	9	20
1,1-Dichloropropene	11.3	10.0	113	10.5	10.0	105	77-114	8	20
Benzene	10.4	10.0	104	10.1	10.0	101	81-117	3	20
1,2-Dichloroethane	9.42	10.0	94	9.33	10.0	93	67-122	1	20
Trichloroethene	10.5	10.0	105	10.0	10.0	100	79-114	5	20
1,2-Dichloropropane	9.73	10.0	97	9.69	10.0	97	78-114	0	20
Dibromomethane	9.37	10.0	94	9.38	10.0	94	78-113	0	20
Bromodichloromethane	9.86	10.0	99	9.81	10.0	98	79-122	1	20
cis-1,3-Dichloropropene	10.3	10.0	103	10.4	10.0	104	82-118	0	20
4-Methyl-2-pentanone (MIBK)	32.7	40.0	82	34.3	40.0	86	75-115	5	20
Toluene	10.8	10.0	108	10.5	10.0	105	85-118	3	20
trans-1,3-Dichloropropene	10.1	10.0	101	10.0	10.0	100	79-121	1	20
1,1,2-Trichloroethane	9.06	10.0	91	9.21	10.0	92	79-116	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300207
Date Extracted: 03/24/2003
Date Analyzed: 03/24/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300385

Analyte Name	Lab Control Sample XWG0300385-1 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300385-2 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	10.8	10.0	108	10.1	10.0	101	76-127	7	20
2-Hexanone	34.0	40.0	85	35.8	40.0	89	65-120	5	20
1,3-Dichloropropane	9.57	10.0	96	9.62	10.0	96	81-116	1	20
Dibromochloromethane	9.35	10.0	94	9.46	10.0	95	77-119	1	20
1,2-Dibromoethane	9.44	10.0	94	9.73	10.0	97	79-116	3	20
Chlorobenzene	10.2	10.0	102	10.0	10.0	100	84-114	1	20
1,1,1,2-Tetrachloroethane	9.73	10.0	97	9.60	10.0	96	78-118	1	20
Ethylbenzene	11.0	10.0	110	10.5	10.0	105	79-124	5	20
m,p-Xylenes	21.8	20.0	109	20.9	20.0	105	75-131	4	20
o-Xylene	10.6	10.0	106	10.3	10.0	103	78-122	3	20
Styrene	10.8	10.0	108	10.6	10.0	106	80-126	2	20
Isopropylbenzene	11.0	10.0	110	10.3	10.0	103	75-126	6	20
Bromobenzene	10.1	10.0	101	9.86	10.0	99	82-122	2	20
1,2,3-Trichloropropane	9.42	10.0	94	9.44	10.0	94	77-118	0	20
n-Propylbenzene	11.3	10.0	113	10.6	10.0	106	75-129	6	20
2-Chlorotoluene	11.0	10.0	110	10.6	10.0	106	77-126	4	20
4-Chlorotoluene	10.8	10.0	108	10.6	10.0	106	82-120	2	20
1,3,5-Trimethylbenzene	11.2	10.0	112	10.6	10.0	106	75-130	5	20
tert-Butylbenzene	11.7	10.0	117	11.1	10.0	111	73-130	6	20
1,2,4-Trimethylbenzene	11.1	10.0	111	10.8	10.0	108	60-137	2	20
sec-Butylbenzene	11.0	10.0	110	10.3	10.0	103	68-131	6	20
1,3-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	71-137	1	20
4-Isopropyltoluene	11.8	10.0	118	11.2	10.0	112	68-134	5	20
Bromoform	8.97	10.0	90	9.01	10.0	90	70-118	0	20
1,1,2,2-Tetrachloroethane	9.01	10.0	90	9.24	10.0	92	72-122	3	20
1,4-Dichlorobenzene	10.2	10.0	102	10.1	10.0	101	82-114	1	20
1,2-Dichlorobenzene	10.3	10.0	103	10.3	10.0	103	81-118	0	20
n-Butylbenzene	11.2	10.0	112	10.7	10.0	107	71-125	5	20
1,2-Dibromo-3-chloropropane	8.07	10.0	81	8.30	10.0	83	55-131	3	20
1,2,4-Trichlorobenzene	10.1	10.0	101	10.3	10.0	103	75-123	2	20
Hexachlorobutadiene	11.8	10.0	118	11.4	10.0	114	63-140	4	20
Naphthalene	9.40	10.0	94	9.60	10.0	96	67-125	2	20
1,2,3-Trichlorobenzene	10.2	10.0	102	10.3	10.0	103	72-124	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 25, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 12, 2003. For your reference, these analyses have been assigned our service request number L2300559.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154

Service Request : L2300559

Sample Name :	Lab Code :
Laboratory Control Sample	L2300317-LCS
Method Blank	L2300317-MB
AVB93-0100-03130	L2300559-001
AVB20-0300-02126	L2300559-002
AVB100-0100-02131	L2300559-003
AVB101-0100-13115	L2300559-004
AVB101-0400-14000	L2300559-005
AVB101-0400-14000	L2300559-005S
AVB101-0400-14000	L2300559-005SD
AVB101-0404-1000	L2300559-006
AVB101-0401-14000	L2300559-007

Approved By: _____ Date: 3/25/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB93-0100-03130
Lab Code : L2300559-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	25	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB93-0100-03130
Lab Code : L2300559-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	22	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB20-0300-02126
Lab Code : L2300559-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB20-0300-02126
Lab Code : L2300559-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB100-0100-02131
Lab Code : L2300559-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	16	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB100-0100-02131
Lab Code : L2300559-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	16	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB101-0100-13115
Lab Code : L2300559-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB101-0100-13115
Lab Code : L2300559-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB101-0400-14000
Lab Code : L2300559-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB101-0400-14000
Lab Code : L2300559-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB101-0404-1000
Lab Code : L2300559-006

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/20/03

Dissolved Metals

Sample Name : AVB101-0404-1000
Lab Code : L2300559-006

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03

Total Metals

Sample Name : AVB101-0401-14000
Lab Code : L2300559-007

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300559
Project Name :	WVBA	**Date Collected :**	03/12/03
Project No. :	03103154	**Date Received :**	03/12/03
Matrix :	Water	**Date Extracted :**	03/20/03

Dissolved Metals

Sample Name :	AVB101-0401-14000	**Units :**	ug/L (ppb)
Lab Code :	L2300559-007	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300559
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/17/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300317-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/24/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : NA
Date Received : NA
Date Extracted : 03/17/03
Date Analyzed : 03/24/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300317-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	501	100	87-111	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300559
Date Collected : 03/12/03
Date Received : 03/12/03
Date Extracted : 03/17/03
Date Analyzed : 03/24/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB101-0400-14000
Lab Code : L2300559-005S L2300559-005SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	468	498	94	100	87-105	6	

Columbia Analytical Services INC.
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L2200559

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3·12·03 PAGE 1 OF 1

PROJECT NAME WVBA # 03103154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9830 S 51ST ST SUITE A127 PHX AZ 85044
480 496 4100 PHONE/FAX
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL (HNO3) CHROMIUM	DISSOLVED CHROMIUM			REMARKS
AVB 93-0100-03130	3·12·03	0735	~~0207~~-001	AQ		5		3											1	1			
AVB 20-0300-02126	"	10·10	002	"		5		3											1	1			
AVB 100-0100-02131	"	11·20	003	"		5		3											1	1			
AVB 101-0100-13115	"	12·10	004	"		5		3											1	1			
AVB 101-0400-14000	"	12·30	005	"		10		6				DO M/S - MSD							2	2			
AVB 101-0404-1000	"	12·50	006	"		5		3											1	1			
AVB 101-0401-14000	"	12·40	007	"		5		3											1	1			
~~AVB101-0402-1000~~	~~"~~	~~—~~	~~008~~	~~"~~		~~1~~		~~1~~															

0·00000

SPECIAL INSTRUCTIONS/COMMENTS:
Extra Volume taken for AVB101-0400-14000 for MS/MSD

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA: Fed Ex
Shipping #:
Condition:
Lab No: X23-00207

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3·12·03 13.55	Leslie May	CAS	3-12-03 1355
Leslie May	CAS	3-12-03 1600	Fedex		
Fedex				CAS	3/13/03 0845

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0559 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ BK# 5341 3786 5330 UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK DONE ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1, -2, -3, -4, -6, -7 = {1-500ml Pl (HNO3) A; 1-500ml Pl (NP) B}

-5 = {2-500ml Pl (HNO3) AB; 2-500ml Pl (NP) CD}

Comments Filter Δ preserve metals bottle in lab, Benny @ 1015

Initials, Date, Time LK 3/13/03 1925 3/13/03

r:\sr_forms\cooler.doc Rev. 1/17/02

0022

000071

Columbia Analytical Services INC.
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3·12·03 PAGE 1 OF 1

PROJECT NAME WVBA # 03103154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9830 S 51ST ST
SUITE A127 PHX AZ 85044
480 496 4100 PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL (HNO3) CHROMIUM	DISSOLVED CHROMIUM			REMARKS
AVB 93-0100-03130	3·12·03	0735	0207-001	AQ		5		3											1	1			
AVB 20-0300-02126	"	10·10	002	"		5		3											1	1			
AVB 100-0100-02131	"	11·20	003	"		5		3											1	1			
AVB 101-0100-13115	"	12·10	004	"		5		3											1	1			
AVB 101-0400-14000	"	12·30	005	"		10		6											2	2			
AVB 101-0404-1000	"	12·50	006	"		5		3											1	1			
AVB 101-0401-14000	"	12·40	007	"		5		3											1	1			
AVB 101-0402-1000	"	—	008	"		1		1															

ANALYSIS REQUESTED

SPECIAL INSTRUCTIONS/COMMENTS:
Extra Volume taken for AVB101-0400-14000 for MS/MSD

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X23-00207

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3·12·03 13·55	Leslie May	CAS	3-12-03 1355
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0207

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BC&K Project Name: WVDA

Sample(s) Received on: 3-12-03 date 1355 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐ No ☑
3. Are the signature and date correct?	Yes ☑ No ☐
4. Did all containers arrive in good condition?	Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑ No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.7°C	

Explanation of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): Lm

r:\common\forms\samprev.doc
Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

April 1, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 13, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300579). For your reference, the 8260 analyses have been assigned our service request number X2300219.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300219
Project:	WVBA / #03103154	**Date Received:**	3/13/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blnk spike (XWG0300410-3 and XWG0300410-4) recovery of Bromochloromethane, Dibromomethne, and 1,2,3-Trichloropropane, Method 8260B, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

Matrix spike (XWG0300406-1 and XWG0300406-2) recovery of Dichlorodifluoromethane, Vinyl Chloride, and 2-Butanone (MEK), Method 8260B, was low. The method conrol sample recovery was acceptable.

MS/MSD (XWG0300406-2) RPD for Acetone, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Matrix spike (XWG0300406-1 and XWG0300406-2) recovery of 1,2-Dichloropropane, Dibromomethane, and Hexachlorobutadiene, Method 8260B, was high. The method conrol sample recovery was acceptable.

Matrix spike (XWG0300410-1 and XWG0300410-2) recovery of Dichlorodifluoromethane, Chloromethne, andVinyl Chloride, Method 8260B, was low. The method conrol sample recovery was acceptable.

Matrix spike (XWG0300406-1 and XWG0300406-2) recovery of Trichloroethene, 1,2-Dichloropropane, and Hexachlorobutadiene, Method 8260B, was high. The method conrol sample recovery was acceptable.

The accuracy of the spike (XWG0300410-1 and XWG0300410-2) recovery of Tetrachloroethene, Method 8260B, is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

The associated blnk spike (XWG0300406-4) recovery of Bromochloromethane, Method 8260B, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

Approved by JHD **Date** 4-1-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVBA/#03103154

Service Request: X2300219

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB37-0400-01118	X2300219-001	03/13/2003	03/13/2003
AVB87-0100-04116	X2300219-002	03/13/2003	03/13/2003
AVB107-0100-05108	X2300219-003	03/13/2003	03/13/2003
AVB97-0100-03101	X2300219-004	03/13/2003	03/13/2003
AVB97-0104-1000	X2300219-005	03/13/2003	03/13/2003
AVB97-0102-1000	X2300219-006	03/13/2003	03/13/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-1-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB37-0400-01118
Lab Code: X2300219-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	**1.7**		1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	**0.83**		0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	**5.9**		1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	**7.7**		0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB37-0400-01118
Lab Code: X2300219-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	**23**		0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB37-0400-01118
Lab Code: X2300219-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	03/27/03	
Toluene-d8	104	68-126	03/27/03	
4-Bromofluorobenzene	95	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB87-0100-04116
Lab Code: X2300219-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	**1.4**		1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	**3.2**		1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	**6.2**		1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	**5.3**		0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB87-0100-04116
Lab Code: X2300219-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	**28**		0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB87-0100-04116
Lab Code: X2300219-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	105	84-113	03/27/03	
Toluene-d8	105	68-126	03/27/03	
4-Bromofluorobenzene	97	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB107-0100-05108
Lab Code: X2300219-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	**5.0**		1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	**2.0**		0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	**7.4**		0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	**1.8**		1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	**43**		0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB107-0100-05108
Lab Code: X2300219-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	**7.6**		0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300219
Project:	WVBA/#03103154	**Date Collected:**	03/13/2003
Sample Matrix:	Water	**Date Received:**	03/13/2003

Volatile Organic Compounds

Sample Name:	AVB107-0100-05108	**Units:**	ug/L
Lab Code:	X2300219-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/27/03	
Toluene-d8	107	68-126	03/27/03	
4-Bromofluorobenzene	94	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0100-03101
Lab Code: X2300219-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	**2.3**		0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	ND	U	1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	**3.0**		0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0100-03101
Lab Code: X2300219-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	**3.0**		0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0100-03101
Lab Code: X2300219-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	105	68-126	03/27/03	
4-Bromofluorobenzene	99	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0104-1000
Lab Code: X2300219-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	ND	U	1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0104-1000
Lab Code: X2300219-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0104-1000
Lab Code: X2300219-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	108	68-126	03/27/03	
4-Bromofluorobenzene	99	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0102-1000
Lab Code: X2300219-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0102-1000
Lab Code: X2300219-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: 03/13/2003
Date Received: 03/13/2003

Volatile Organic Compounds

Sample Name: AVB97-0102-1000
Lab Code: X2300219-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	96	84-113	03/27/03	
Toluene-d8	105	68-126	03/27/03	
4-Bromofluorobenzene	93	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300406-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/26/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/26/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/26/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/26/03	03/27/03	
Acetone	ND	U	10	1	03/26/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/26/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/26/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/26/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/26/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/26/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/26/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/26/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
Chloroform	ND	U	1.0	1	03/26/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/26/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
Benzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/26/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/26/03	03/27/03	
Bromodichloromethane	ND	U	0.50	1	03/26/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/26/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/26/03	03/27/03	
Toluene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300406-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/26/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/26/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/26/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/26/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/26/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/26/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/26/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/26/03	03/27/03	
Styrene	ND	U	0.50	1	03/26/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/26/03	03/27/03	
n-Propylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/26/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/26/03	03/27/03	
Bromoform	ND	U	0.50	1	03/26/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/26/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/26/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/26/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/26/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300406-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/26/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/26/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	98	84-113	03/27/03	
Toluene-d8	101	68-126	03/27/03	
4-Bromofluorobenzene	96	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	101	68-126	03/27/03	
4-Bromofluorobenzene	96	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB37-0400-01118	X2300219-001	104	104	95
AVB87-0100-04116	X2300219-002	105	105	97
AVB107-0100-05108	X2300219-003	101	107	94
AVB97-0100-03101	X2300219-004	103	105	99
AVB97-0104-1000	X2300219-005	103	108	99
AVB97-0102-1000	X2300219-006	96	105	93
Method Blank	XWG0300406-5	98	101	96
Method Blank	XWG0300410-5	103	101	96
Batch QC	X2300223-002	102	107	99
Batch QC	X2300224-001	102	105	95
Batch QCMS	XWG0300406-1	106	112	106
Batch QCDMS	XWG0300406-2	105	104	104
Batch QCMS	XWG0300410-1	106	105	100
Batch QCDMS	XWG0300410-2	100	100	94
Lab Control Sample	XWG0300406-3	101	105	98
Duplicate Lab Control Sample	XWG0300406-4	100	100	96
Lab Control Sample	XWG0300410-3	106	105	105
Duplicate Lab Control Sample	XWG0300410-4	101	101	98

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

000032

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/26/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300223-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300406

Analyte Name	Sample Result	Batch QCMS XWG0300406-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300406-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	4.74	10.0	47 M2	4.41	10.0	44 M2	78-207	7	20
Chloromethane	ND	7.11	10.0	71	7.34	10.0	73	70-157	3	20
Vinyl Chloride	ND	7.73	10.0	77 M2	7.68	10.0	77 M2	79-174	1	20
Bromomethane	ND	8.73	10.0	87	8.54	10.0	85	44-150	2	20
Chloroethane	ND	9.51	10.0	95	9.76	10.0	98	74-150	3	20
Trichlorofluoromethane	ND	8.93	10.0	89	8.42	10.0	84	80-134	6	20
1,1,2-Trichlorotrifluoroethane	ND	11.4	10.0	114	11.1	10.0	111	67-128	3	20
1,1-Dichloroethene	ND	9.64	10.0	96	9.71	10.0	97	71-142	1	20
Acetone	ND	36.7	40.0	92	48.8	40.0	122	1-155	28 R5	20
Iodomethane	ND	38.1	40.0	95	38.6	40.0	96	47-120	1	20
Carbon Disulfide	ND	43.2	40.0	108	43.2	40.0	108	77-126	0	20
Methylene Chloride	ND	10.2	10.0	102	10.4	10.0	104	83-106	1	20
Methyl tert-Butyl Ether	ND	8.71	10.0	87	9.64	10.0	96	70-118	10	20
trans-1,2-Dichloroethene	ND	10.7	10.0	107	10.6	10.0	106	86-115	1	20
1,1-Dichloroethane	ND	11.6	10.0	116	11.6	10.0	116	77-127	1	20
Vinyl Acetate	ND	44.0	40.0	110	47.0	40.0	117	8-187	7	20
2,2-Dichloropropane	ND	11.0	10.0	110	10.9	10.0	109	25-154	1	20
2-Butanone (MEK)	ND	33.5	40.0	84 M2	41.0	40.0	103	90-112	20	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	9.97	10.0	100	69-118	3	20
Bromochloromethane	ND	11.1	10.0	111	11.5	10.0	115	47-136	4	20
Chloroform	ND	11.3	10.0	113	11.1	10.0	111	48-143	2	20
1,1,1-Trichloroethane	ND	9.55	10.0	96	9.33	10.0	93	84-122	2	20
Carbon Tetrachloride	ND	10.4	10.0	104	9.79	10.0	98	79-120	6	20
1,1-Dichloropropene	ND	10.7	10.0	107	10.3	10.0	103	85-117	4	20
Benzene	ND	10.4	10.0	104	10.1	10.0	101	88-114	3	20
1,2-Dichloroethane	ND	11.0	10.0	110	10.8	10.0	108	75-112	2	20
Trichloroethene	ND	11.4	10.0	114	10.6	10.0	106	76-115	8	20
1,2-Dichloropropane	ND	10.9	10.0	109 M1	10.9	10.0	109 M1	85-107	0	20
Dibromomethane	ND	11.2	10.0	112 M1	10.6	10.0	106	82-106	6	20
Bromodichloromethane	ND	9.92	10.0	99	9.72	10.0	97	83-107	2	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	10.9	10.0	109	70-114	2	20
4-Methyl-2-pentanone (MIBK)	ND	39.5	40.0	99	37.4	40.0	93	54-129	5	20
Toluene	ND	10.8	10.0	108	10.1	10.0	101	86-114	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/26/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300223-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300406

Analyte Name	Sample Result	Batch QCMS XWG0300406-1 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300406-2 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	11.0	10.0	110	10.6	10.0	106	73-112	4	20
1,1,2-Trichloroethane	ND	9.65	10.0	97	9.55	10.0	96	79-112	1	20
Tetrachloroethene	ND	10.2	10.0	102	9.58	10.0	96	78-130	6	20
2-Hexanone	ND	38.2	40.0	96	39.4	40.0	98	77-112	3	20
1,3-Dichloropropane	ND	10.1	10.0	101	10.0	10.0	100	45-133	1	20
Dibromochloromethane	ND	9.30	10.0	93	9.31	10.0	93	74-108	0	20
1,2-Dibromoethane	ND	9.89	10.0	99	9.63	10.0	96	73-113	3	20
Chlorobenzene	ND	10.4	10.0	104	10.0	10.0	100	84-111	4	20
1,1,1,2-Tetrachloroethane	ND	9.88	10.0	99	9.69	10.0	97	84-119	2	20
Ethylbenzene	ND	11.3	10.0	113	10.7	10.0	107	47-136	6	20
m,p-Xylenes	ND	22.5	20.0	112	21.3	20.0	107	84-120	5	20
o-Xylene	ND	10.5	10.0	105	10.4	10.0	104	47-143	1	20
Styrene	ND	10.9	10.0	109	10.6	10.0	106	72-121	2	20
Isopropylbenzene	ND	10.8	10.0	108	10.4	10.0	104	63-108	3	20
Bromobenzene	ND	10.8	10.0	108	10.5	10.0	105	80-113	3	20
1,2,3-Trichloropropane	ND	10.0	10.0	100	11.3	10.0	113	78-119	12	20
n-Propylbenzene	ND	11.2	10.0	112	11.2	10.0	112	76-117	0	20
2-Chlorotoluene	ND	10.6	10.0	106	10.9	10.0	109	79-121	2	20
4-Chlorotoluene	ND	11.2	10.0	112	11.0	10.0	110	70-133	2	20
1,3,5-Trimethylbenzene	ND	10.9	10.0	109	10.9	10.0	109	79-118	0	20
tert-Butylbenzene	ND	10.8	10.0	108	10.7	10.0	107	77-120	0	20
1,2,4-Trimethylbenzene	ND	10.9	10.0	109	11.0	10.0	110	68-127	0	20
sec-Butylbenzene	ND	10.3	10.0	103	10.3	10.0	103	78-123	0	20
1,3-Dichlorobenzene	ND	9.99	10.0	100	10.3	10.0	103	78-127	3	20
4-Isopropyltoluene	ND	10.7	10.0	107	10.9	10.0	109	79-142	1	20
Bromoform	ND	9.52	10.0	95	8.83	10.0	88	83-111	8	20
1,1,2,2-Tetrachloroethane	ND	11.6	10.0	116	11.1	10.0	111	66-133	4	20
1,4-Dichlorobenzene	ND	9.99	10.0	100	9.96	10.0	100	48-139	0	20
1,2-Dichlorobenzene	ND	9.65	10.0	97	9.74	10.0	97	64-109	1	20
n-Butylbenzene	ND	11.2	10.0	112	10.9	10.0	109	69-122	2	20
1,2-Dibromo-3-chloropropane	ND	8.64	10.0	86	9.85	10.0	99	54-160	13	20
1,2,4-Trichlorobenzene	ND	9.60	10.0	96	9.51	10.0	95	39-145	1	20
Hexachlorobutadiene	ND	11.6	10.0	116 M1	11.3	10.0	113	74-113	3	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/26/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300223-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300406

Analyte Name	Sample Result	Batch QCMS XWG0300406-1 Matrix Spike			Batch QCDMS XWG0300406-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.22	10.0	92	9.41	10.0	94	44-167	2	20
1,2,3-Trichlorobenzene	ND	10.6	10.0	106	10.6	10.0	106	37-158	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	4.10	10.0	41 M2	3.93	10.0	39 M2	78-207	4	20
Chloromethane	ND	7.16	10.0	72	6.09	10.0	61 M2	70-157	16	20
Vinyl Chloride	ND	7.85	10.0	79	7.19	10.0	72 M2	79-174	9	20
Bromomethane	ND	9.14	10.0	91	7.68	10.0	77	44-150	17	20
Chloroethane	ND	11.1	10.0	111	9.52	10.0	95	74-150	16	20
Trichlorofluoromethane	ND	9.32	10.0	93	8.52	10.0	85	80-134	9	20
1,1,2-Trichlorotrifluoroethane	ND	11.2	10.0	112	10.2	10.0	102	67-128	9	20
1,1-Dichloroethene	ND	9.83	10.0	98	9.12	10.0	91	71-142	7	20
Acetone	ND	30.8	40.0	77	26.0	40.0	65	1-155	17	20
Iodomethane	ND	38.6	40.0	97	35.6	40.0	89	47-120	8	20
Carbon Disulfide	ND	43.2	40.0	108	39.6	40.0	99	77-126	9	20
Methylene Chloride	ND	10.5	10.0	105	9.43	10.0	94	83-106	10	20
Methyl tert-Butyl Ether	ND	9.32	10.0	93	8.58	10.0	86	70-118	8	20
trans-1,2-Dichloroethene	ND	10.8	10.0	108	9.89	10.0	99	86-115	9	20
1,1-Dichloroethane	ND	11.8	10.0	118	10.9	10.0	109	77-127	8	20
Vinyl Acetate	ND	46.0	40.0	115	41.2	40.0	103	8-187	11	20
2,2-Dichloropropane	ND	11.2	10.0	112	10.4	10.0	104	25-154	8	20
2-Butanone (MEK)	ND	35.9	40.0	90	36.9	40.0	92	90-112	3	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	10.0	10.0	100	69-118	3	20
Bromochloromethane	ND	11.0	10.0	110	10.6	10.0	106	47-136	4	20
Chloroform	ND	11.2	10.0	112	10.5	10.0	105	48-143	6	20
1,1,1-Trichloroethane	ND	9.68	10.0	97	9.02	10.0	90	84-122	7	20
Carbon Tetrachloride	ND	9.98	10.0	100	9.60	10.0	96	79-120	4	20
1,1-Dichloropropene	ND	10.7	10.0	107	9.97	10.0	100	85-117	7	20
Benzene	ND	10.3	10.0	103	9.67	10.0	97	88-114	6	20
1,2-Dichloroethane	ND	10.6	10.0	106	9.94	10.0	99	75-112	6	20
Trichloroethene	1.4	13.5	10.0	121 M1	12.6	10.0	112	76-115	7	20
1,2-Dichloropropane	ND	11.0	10.0	110 M1	10.3	10.0	103	85-107	7	20
Dibromomethane	ND	9.97	10.0	100	9.85	10.0	99	82-106	1	20
Bromodichloromethane	ND	9.78	10.0	98	9.01	10.0	90	83-107	8	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	9.94	10.0	99	70-114	11	20
4-Methyl-2-pentanone (MIBK)	ND	36.1	40.0	90	35.0	40.0	87	54-129	3	20
Toluene	ND	10.5	10.0	105	9.84	10.0	98	86-114	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	10.6	10.0	106	9.61	10.0	96	73-112	10	20
1,1,2-Trichloroethane	ND	9.73	10.0	97	9.03	10.0	90	79-112	7	20
Tetrachloroethene	47	60.5	10.0	131 M3	56.0	10.0	86 M3	78-130	8	20
2-Hexanone	ND	39.7	40.0	99	34.4	40.0	86	77-112	14	20
1,3-Dichloropropane	ND	9.92	10.0	99	9.30	10.0	93	45-133	6	20
Dibromochloromethane	ND	9.73	10.0	97	8.78	10.0	88	74-108	10	20
1,2-Dibromoethane	ND	10.1	10.0	101	9.24	10.0	92	73-113	8	20
Chlorobenzene	ND	10.4	10.0	104	9.75	10.0	98	84-111	6	20
1,1,1,2-Tetrachloroethane	ND	9.79	10.0	98	9.32	10.0	93	84-119	5	20
Ethylbenzene	ND	10.9	10.0	109	10.3	10.0	103	47-136	6	20
m,p-Xylenes	ND	21.5	20.0	107	20.7	20.0	104	84-120	4	20
o-Xylene	ND	10.2	10.0	102	9.76	10.0	98	47-143	5	20
Styrene	ND	10.8	10.0	108	9.93	10.0	99	72-121	8	20
Isopropylbenzene	ND	10.4	10.0	104	9.87	10.0	99	63-108	5	20
Bromobenzene	ND	10.6	10.0	106	10.2	10.0	102	80-113	4	20
1,2,3-Trichloropropane	ND	9.74	10.0	97	9.99	10.0	100	78-119	3	20
n-Propylbenzene	ND	10.9	10.0	109	10.3	10.0	103	76-117	6	20
2-Chlorotoluene	ND	10.5	10.0	105	9.88	10.0	99	79-121	6	20
4-Chlorotoluene	ND	10.7	10.0	107	10.2	10.0	102	70-133	5	20
1,3,5-Trimethylbenzene	ND	10.4	10.0	104	9.97	10.0	100	79-118	5	20
tert-Butylbenzene	ND	10.3	10.0	103	9.83	10.0	98	77-120	5	20
1,2,4-Trimethylbenzene	ND	10.5	10.0	105	9.89	10.0	99	68-127	6	20
sec-Butylbenzene	ND	9.93	10.0	99	9.45	10.0	95	78-123	5	20
1,3-Dichlorobenzene	ND	10.0	10.0	100	9.42	10.0	94	78-127	6	20
4-Isopropyltoluene	ND	10.4	10.0	104	9.89	10.0	99	79-142	5	20
Bromoform	ND	9.46	10.0	95	8.92	10.0	89	83-111	6	20
1,1,2,2-Tetrachloroethane	ND	11.2	10.0	112	10.6	10.0	106	66-133	5	20
1,4-Dichlorobenzene	ND	10.1	10.0	101	9.72	10.0	97	48-139	4	20
1,2-Dichlorobenzene	ND	9.82	10.0	98	9.27	10.0	93	64-109	6	20
n-Butylbenzene	ND	10.8	10.0	108	10.5	10.0	105	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	10.1	10.0	101	9.18	10.0	92	54-160	9	20
1,2,4-Trichlorobenzene	ND	9.41	10.0	94	9.36	10.0	94	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.4	10.0	114 M1	74-113	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	Batch QCMS XWG0300410-1 Matrix Spike			Batch QCDMS XWG0300410-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	8.51	10.0	85	8.48	10.0	85	44-167	0	20
1,2,3-Trichlorobenzene	ND	10.3	10.0	103	10.3	10.0	103	37-158	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/26/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300406

	Lab Control Sample XWG0300406-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300406-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	4.61	10.0	46	4.36	10.0	44	1-233	6	20
Chloromethane	7.03	10.0	70	6.71	10.0	67	46-156	5	20
Vinyl Chloride	7.63	10.0	76	7.18	10.0	72	51-158	6	20
Bromomethane	8.01	10.0	80	8.27	10.0	83	37-149	3	20
Chloroethane	9.24	10.0	92	8.78	10.0	88	56-146	5	20
Trichlorofluoromethane	8.77	10.0	88	8.85	10.0	89	69-139	1	20
1,1,2-Trichlorotrifluoroethane	10.6	10.0	106	10.6	10.0	106	83-130	1	20
1,1-Dichloroethene	9.63	10.0	96	9.47	10.0	95	65-112	2	20
Acetone	42.5	40.0	106	35.7	40.0	89	68-128	17	20
Iodomethane	39.6	40.0	99	39.5	40.0	99	68-144	0	20
Carbon Disulfide	41.4	40.0	103	41.9	40.0	105	67-140	1	20
Methylene Chloride	10.0	10.0	100	10.5	10.0	105	70-113	4	20
Methyl tert-Butyl Ether	9.10	10.0	91	9.89	10.0	99	75-115	8	20
trans-1,2-Dichloroethene	10.6	10.0	106	10.9	10.0	109	73-118	2	20
1,1-Dichloroethane	11.2	10.0	112	11.0	10.0	110	77-127	1	20
Vinyl Acetate	34.3	40.0	86	43.7	40.0	109	51-202	24	39
2,2-Dichloropropane	9.74	10.0	97	9.65	10.0	97	75-132	1	20
2-Butanone (MEK)	34.9	40.0	87	40.4	40.0	101	72-122	15	20
cis-1,2-Dichloroethene	9.77	10.0	98	10.1	10.0	101	81-118	3	20
Bromochloromethane	11.1	10.0	111	11.7	10.0	117 L1	82-114	5	20
Chloroform	10.9	10.0	109	10.9	10.0	109	78-119	0	20
1,1,1-Trichloroethane	9.37	10.0	94	9.14	10.0	91	71-125	2	20
Carbon Tetrachloride	9.65	10.0	97	9.54	10.0	95	69-130	1	20
1,1-Dichloropropene	10.0	10.0	100	9.99	10.0	100	77-114	0	20
Benzene	9.88	10.0	99	9.80	10.0	98	81-117	1	20
1,2-Dichloroethane	10.4	10.0	104	10.5	10.0	105	67-122	1	20
Trichloroethene	10.8	10.0	108	10.6	10.0	106	79-114	2	20
1,2-Dichloropropane	10.9	10.0	109	10.7	10.0	107	78-114	1	20
Dibromomethane	10.5	10.0	105	11.0	10.0	110	78-113	5	20
Bromodichloromethane	9.92	10.0	99	9.74	10.0	97	79-122	2	20
cis-1,3-Dichloropropene	11.1	10.0	111	10.5	10.0	105	82-118	5	20
4-Methyl-2-pentanone (MIBK)	41.8	40.0	105	42.4	40.0	106	75-115	1	20
Toluene	10.6	10.0	106	10.1	10.0	101	85-118	5	20
trans-1,3-Dichloropropene	10.9	10.0	109	10.7	10.0	107	79-121	2	20
1,1,2-Trichloroethane	9.90	10.0	99	9.50	10.0	95	79-116	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/26/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300406

	Lab Control Sample XWG0300406-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300406-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	10.0	10.0	100	9.65	10.0	97	76-127	4	20
2-Hexanone	41.9	40.0	105	40.4	40.0	101	65-120	4	20
1,3-Dichloropropane	10.5	10.0	105	10.1	10.0	101	81-116	4	20
Dibromochloromethane	9.72	10.0	97	9.45	10.0	95	77-119	3	20
1,2-Dibromoethane	10.0	10.0	100	10.3	10.0	103	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.98	10.0	100	84-114	2	20
1,1,1,2-Tetrachloroethane	9.61	10.0	96	9.51	10.0	95	78-118	1	20
Ethylbenzene	10.8	10.0	108	10.4	10.0	104	79-124	3	20
m,p-Xylenes	21.7	20.0	108	20.8	20.0	104	75-131	4	20
o-Xylene	10.1	10.0	101	10.2	10.0	102	78-122	1	20
Styrene	10.6	10.0	106	10.5	10.0	105	80-126	1	20
Isopropylbenzene	10.3	10.0	103	10.2	10.0	102	75-126	1	20
Bromobenzene	10.7	10.0	107	10.5	10.0	105	82-122	3	20
1,2,3-Trichloropropane	10.4	10.0	104	9.97	10.0	100	77-118	5	20
n-Propylbenzene	10.7	10.0	107	10.5	10.0	105	75-129	1	20
2-Chlorotoluene	10.5	10.0	105	10.4	10.0	104	77-126	1	20
4-Chlorotoluene	10.6	10.0	106	10.6	10.0	106	82-120	0	20
1,3,5-Trimethylbenzene	10.5	10.0	105	10.5	10.0	105	75-130	0	20
tert-Butylbenzene	10.3	10.0	103	10.3	10.0	103	73-130	0	20
1,2,4-Trimethylbenzene	10.5	10.0	105	10.4	10.0	104	60-137	0	20
sec-Butylbenzene	9.88	10.0	99	9.89	10.0	99	68-131	0	20
1,3-Dichlorobenzene	9.96	10.0	100	10.0	10.0	100	71-137	1	20
4-Isopropyltoluene	10.3	10.0	103	10.3	10.0	103	68-134	0	20
Bromoform	9.57	10.0	96	9.63	10.0	96	70-118	1	20
1,1,2,2-Tetrachloroethane	10.5	10.0	105	10.7	10.0	107	72-122	2	20
1,4-Dichlorobenzene	9.80	10.0	98	9.91	10.0	99	82-114	1	20
1,2-Dichlorobenzene	9.66	10.0	97	9.94	10.0	99	81-118	3	20
n-Butylbenzene	10.3	10.0	103	10.4	10.0	104	71-125	0	20
1,2-Dibromo-3-chloropropane	10.1	10.0	101	11.2	10.0	112	55-131	11	20
1,2,4-Trichlorobenzene	9.53	10.0	95	9.89	10.0	99	75-123	4	20
Hexachlorobutadiene	10.7	10.0	107	11.0	10.0	110	63-140	2	20
Naphthalene	9.84	10.0	98	9.85	10.0	99	67-125	0	20
1,2,3-Trichlorobenzene	11.0	10.0	110	11.1	10.0	111	72-124	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.98	10.0	40	4.08	10.0	41	1-233	2	20
Chloromethane	6.92	10.0	69	7.23	10.0	72	46-156	4	20
Vinyl Chloride	7.49	10.0	75	7.40	10.0	74	51-158	1	20
Bromomethane	8.51	10.0	85	8.50	10.0	85	37-149	0	20
Chloroethane	9.33	10.0	93	9.41	10.0	94	56-146	1	20
Trichlorofluoromethane	8.46	10.0	85	7.91	10.0	79	69-139	7	20
1,1,2-Trichlorotrifluoroethane	10.9	10.0	109	10.6	10.0	106	83-130	3	20
1,1-Dichloroethene	9.50	10.0	95	9.60	10.0	96	65-112	1	20
Acetone	38.9	40.0	97	43.3	40.0	108	68-128	11	20
Iodomethane	37.4	40.0	93	36.9	40.0	92	68-144	1	20
Carbon Disulfide	42.4	40.0	106	41.5	40.0	104	67-140	2	20
Methylene Chloride	11.0	10.0	110	10.6	10.0	106	70-113	4	20
Methyl tert-Butyl Ether	10.1	10.0	101	9.90	10.0	99	75-115	2	20
trans-1,2-Dichloroethene	10.9	10.0	109	10.4	10.0	104	73-118	5	20
1,1-Dichloroethane	11.7	10.0	117	11.1	10.0	111	77-127	5	20
Vinyl Acetate	47.8	40.0	120	48.2	40.0	120	51-202	1	39
2,2-Dichloropropane	10.7	10.0	107	10.0	10.0	100	75-132	6	20
2-Butanone (MEK)	47.5	40.0	119	40.5	40.0	101	72-122	16	20
cis-1,2-Dichloroethene	10.2	10.0	102	9.86	10.0	99	81-118	3	20
Bromochloromethane	12.0	10.0	120 L1	12.2	10.0	122 L1	82-114	2	20
Chloroform	11.4	10.0	114	10.6	10.0	106	78-119	7	20
1,1,1-Trichloroethane	9.49	10.0	95	8.95	10.0	90	71-125	6	20
Carbon Tetrachloride	9.55	10.0	96	9.16	10.0	92	69-130	4	20
1,1-Dichloropropene	10.3	10.0	103	9.99	10.0	100	77-114	3	20
Benzene	10.3	10.0	103	9.50	10.0	95	81-117	8	20
1,2-Dichloroethane	11.3	10.0	113	10.7	10.0	107	67-122	6	20
Trichloroethene	10.6	10.0	106	10.1	10.0	101	79-114	5	20
1,2-Dichloropropane	11.1	10.0	111	10.5	10.0	105	78-114	6	20
Dibromomethane	11.4	10.0	114 L1	11.5	10.0	115 L1	78-113	2	20
Bromodichloromethane	10.4	10.0	104	10.2	10.0	102	79-122	2	20
cis-1,3-Dichloropropene	11.5	10.0	115	11.1	10.0	111	82-118	3	20
4-Methyl-2-pentanone (MIBK)	40.4	40.0	101	42.9	40.0	107	75-115	6	20
Toluene	10.3	10.0	103	10.1	10.0	101	85-118	2	20
trans-1,3-Dichloropropene	11.2	10.0	112	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.5	10.0	105	10.2	10.0	102	79-116	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300219
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.53	10.0	95	9.31	10.0	93	76-127	2	20
2-Hexanone	44.0	40.0	110	46.3	40.0	116	65-120	5	20
1,3-Dichloropropane	10.3	10.0	103	10.7	10.0	107	81-116	4	20
Dibromochloromethane	9.91	10.0	99	10.0	10.0	100	77-119	1	20
1,2-Dibromoethane	10.5	10.0	105	10.3	10.0	103	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.72	10.0	97	84-114	5	20
1,1,1,2-Tetrachloroethane	9.81	10.0	98	9.46	10.0	95	78-118	4	20
Ethylbenzene	10.8	10.0	108	10.2	10.0	102	79-124	6	20
m,p-Xylenes	21.4	20.0	107	20.3	20.0	101	75-131	6	20
o-Xylene	10.4	10.0	104	9.83	10.0	98	78-122	5	20
Styrene	10.8	10.0	108	10.2	10.0	102	80-126	5	20
Isopropylbenzene	10.5	10.0	105	9.60	10.0	96	75-126	8	20
Bromobenzene	11.1	10.0	111	10.2	10.0	102	82-122	8	20
1,2,3-Trichloropropane	12.2	10.0	122 L1	10.7	10.0	107	77-118	13	20
n-Propylbenzene	11.0	10.0	110	10.2	10.0	102	75-129	7	20
2-Chlorotoluene	10.8	10.0	108	9.94	10.0	99	77-126	8	20
4-Chlorotoluene	11.1	10.0	111	10.4	10.0	104	82-120	7	20
1,3,5-Trimethylbenzene	10.8	10.0	108	9.86	10.0	99	75-130	9	20
tert-Butylbenzene	10.4	10.0	104	9.68	10.0	97	73-130	7	20
1,2,4-Trimethylbenzene	10.8	10.0	108	9.97	10.0	100	60-137	8	20
sec-Butylbenzene	10.1	10.0	101	9.32	10.0	93	68-131	8	20
1,3-Dichlorobenzene	10.2	10.0	102	9.60	10.0	96	71-137	6	20
4-Isopropyltoluene	10.5	10.0	105	9.69	10.0	97	68-134	8	20
Bromoform	9.86	10.0	99	9.68	10.0	97	70-118	2	20
1,1,2,2-Tetrachloroethane	12.1	10.0	121	12.0	10.0	120	72-122	1	20
1,4-Dichlorobenzene	10.1	10.0	101	9.60	10.0	96	82-114	5	20
1,2-Dichlorobenzene	10.2	10.0	102	9.54	10.0	95	81-118	7	20
n-Butylbenzene	10.7	10.0	107	10.0	10.0	100	71-125	7	20
1,2-Dibromo-3-chloropropane	9.68	10.0	97	11.1	10.0	111	55-131	14	20
1,2,4-Trichlorobenzene	10.4	10.0	104	9.75	10.0	98	75-123	6	20
Hexachlorobutadiene	10.9	10.0	109	10.1	10.0	101	63-140	7	20
Naphthalene	10.7	10.0	107	9.73	10.0	97	67-125	10	20
1,2,3-Trichlorobenzene	11.9	10.0	119	11.5	10.0	115	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 22, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 13, 2003. For your reference, these analyses have been assigned our service request number L2300579.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

NELAP Accredited ACIL Seal of Excellence Award 000043

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000044

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154

Service Request : L2300579

Sample Name :	Lab Code :
Laboratory Control Sample	L2300318-LCS
Method Blank	L2300318-MB
AVB37-0400-01118	L2300579-001
AVB37-0400-01118	L2300579-001S
AVB37-0400-01118	L2300579-001SD
AVB87-0100-04116	L2300579-002
AVB107-0100-05108	L2300579-003
AVB97-0100-03101	L2300579-004
AVB97-0104-1000	L2300579-005

Approved By: Sue Anderson Date: 3/21/03

003

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : NA

Total Metals

Sample Name : AVB37-0400-01118
Lab Code : L2300579-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	35	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB37-0400-01118
Lab Code : L2300579-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300579
Project Name :	WVBA	**Date Collected :**	03/13/03
Project No. :	03103154	**Date Received :**	03/13/03
Matrix :	Water	**Date Extracted :**	NA

Total Metals

Sample Name :	AVB87-0100-04116	**Units :**	ug/L (ppb)
Lab Code :	L2300579-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300579
Project Name :	WVBA	**Date Collected :**	03/13/03
Project No. :	03103154	**Date Received :**	03/13/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB87-0100-04116	**Units :**	ug/L (ppb)
Lab Code :	L2300579-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : NA

Total Metals

Sample Name : AVB107-0100-05108
Lab Code : L2300579-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB107-0100-05108
Lab Code : L2300579-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300579
Project Name :	WVBA	**Date Collected :**	03/13/03
Project No. :	03103154	**Date Received :**	03/13/03
Matrix :	Water	**Date Extracted :**	NA

Total Metals

Sample Name :	AVB97-0100-03101	**Units :**	ug/L (ppb)
Lab Code :	L2300579-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : 03/18/03

Dissolved Metals

Sample Name : AVB97-0100-03101
Lab Code : L2300579-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : NA

Total Metals

Sample Name : AVB97-0104-1000
Lab Code : L2300579-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300579
Project Name :	WVBA	**Date Collected :**	03/13/03
Project No. :	03103154	**Date Received :**	03/13/03
Matrix :	Water	**Date Extracted :**	03/18/03

Dissolved Metals

Sample Name :	AVB97-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300579-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300579
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	NA

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300318-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/20/03	ND	

000056

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : NA
Date Received : NA
Date Extracted : NA
Date Analyzed : 03/20/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300318-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	528	106	87-111	

000057

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300579
Date Collected : 03/13/03
Date Received : 03/13/03
Date Extracted : NA
Date Analyzed : 03/20/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : AVB37-0400-01118
Lab Code : L2300579-001S L2300579-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	% Recovery MS	% Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	35.1	543	543	102	102	87-105	<1	

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company
3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-13-03 PAGE 1 OF 1

L2300579

PROJECT NAME WVBA # 0310 3154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9830 S 51ST ST
SUITE A127 PHX AZ 85044
480 496 4400 PHONE/FAX
SAMPLER'S SIGNATURE

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR (HNO3)	DISSOLVED CR			REMARKS
AVB 37-0400-01118	3-13-03	0845	0219-001	AQ		5		3											1	1			
AVB 87-0100-04116	3-13-03	0950	002	"		5		3											1	1			
AVB 107-0100-05108	3-13-03	11:25	003	"		5		3											1	1			
AVB97-0100-03101	3-13-03	12:30	004	"		5		3											1	C			
AVB97-0401-1000	3-13-03	12:45	005	"		5		3											1	/			
AVB97-0102-1000	3/13/03	—	006	AQ		1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA: Fed-Ex
Shipping #:
Condition:
Lab No: X23-06219

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3-13-03 13:45	Leslie May	CAS	3-13-03 @ 1345
Leslie May	CAS	3-13-03 16:00	Fedex		
Fedex			Kerry Matz	CAS	3-14-03 0900

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300579 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X X UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes X No ____(See Comments)

Appropriate sample volume and containers? Yes X No ____(See Comments)

Sufficient labeling on container(s) ? Yes X No ____(See Comments)

Container(s) supplied by CAS? Yes ____ No X (See Comments)

Custody seal(s) intact? N/A____ Yes ____ No X (See Comments)

Trip Blank(s) received Yes ____ No X

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified KM DONE ✓

RUSH Turn around time? Yes ____ Notified _____ Date & Time_____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

1-5 = 2 500 mlPs 1 ~~HNO3 A B C D E F~~
1 NP B ~~A B~~ SW 3/20/03

Comments Filt and Res (5) Samples Notified Bey 3/14/03 0915 Am

Initials, Date, Time lh 3/14/03 0905 r:\sr_forms\cooler.doc Rev. 1/17/02

0018 00060

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-13-03 PAGE 1 OF 1

PROJECT NAME AVBA # 03103154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9830 S 51ST ST
SUITE A127 PHX AZ 85044
480 496 4100 PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR (HNO3)	DISSOLVED CR			REMARKS
AVB 37-0400-01118	3-13-03	0845	0219-001	AQ		5		3											1	1			
AVB 87-0100-04116	3-13-03	0950	002	"		5		3											1	1			
AVB 107-0100-05108	3-13-03	11:25	003	"		5		3											1	1			
AVB97-0100-03101	3-13-03	12:30	004	"		5		3											1	1			
AVB97-0401-1000	3-13-03	12:45	005	"		5		3											1	1			
AVB97-0102-1000	3-13-03	—	006	AQ		1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# ___
Bill To ___

SAMPLE RECEIPT:
Shipping VIA: ___
Shipping #: ___
Condition: ___
Lab No: X23.0219

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3-13-03 13:45	Leslie May	CAS	3-13-03 @1345
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

19961

X230 0219

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: WWA BE&K Project Name: WVBA

Sample(s) Received on: 3-13-03 date 1345 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	(STANDARD)
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.3°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): Lm

Columbia Analytical Services INC.
An Employee-Owned Company

April 2, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 14, 2003. The samples were analyzed for Total and Dissolved Chromium by our Canoga Park, CA facility (L2300592). For your reference, the 8260 analyses have been assigned our service request number X2300224.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300224
Project:	WVBA / #03103154	**Date Received:**	3/14/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300410-3 and XWG0300410-4) recovery of Bromochloromethane, Dibromomethane, and 1,2,3-Trichloropropane, Method 8260, was above laboratory acceptance limits. These compounds were not detected in any of the samples analyzed in this batch.

Matrix spike (XWG0300410-1 and XWG0300410-2) recovery of Dichlorodifluoromethane, Chloromethane, and Vinyl Chloride, Method 8260B, was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300410-1 and XWG0300410-2) recovery of Trichloroethene, 1,2-Dichloropropane, and Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

The accuracy of the spike (XWG0300410-1) recovery value of Tetrachloroethene, Method 8260B, is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

Approved by _____ Date 4-2-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

BOD:

K1	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2mg/L. Any reported result is an estimated value.
K2	The sample dilutions set up for the BOD analysis did not meet the criteria of a residual dissolved oxygen of at least 1 mg/L. Any reported result is an estimated value.
K3	The seed depletion was outside the method acceptance limits.

K4 The seed depletion was outside the method and laboratory acceptance limits. The reported result is an estimated value.

K5 The dilution water D.O. depletion was >0.2 mg/L.

K6 Glucose/glutamic acid BOD was below method acceptance criteria.

K7 The discrepancy between the BOD and COD results has been verified by reanalysis of the sample for COD.

Laboratory fortified blank/blank spike:

L1 The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: BE&K Terranext
Project: WVBA/#03103154

Service Request: X2300224

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB88-0100-05099	X2300224-001	03/14/2003	03/14/2003
AVB84-0100-05103	X2300224-002	03/14/2003	03/14/2003
AVB69-0200-07105	X2300224-003	03/14/2003	03/14/2003
AVB47-0100-16087	X2300224-004	03/14/2003	03/14/2003
AVB68-0200-07108	X2300224-005	03/14/2003	03/14/2003
AVB68-0204-1000	X2300224-006	03/14/2003	03/14/2003
AVB68-0202-1000	X2300224-007	03/14/2003	03/14/2003
AVB88-0100-05099MS	XWG0300410-1	03/14/2003	03/14/2003
AVB88-0100-05099DMS	XWG0300410-2	03/14/2003	03/14/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-2-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**1.4**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**47**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/27/03	
Toluene-d8	105	68-126	03/27/03	
4-Bromofluorobenzene	95	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB84-0100-05103
Lab Code: X2300224-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	**1.6**		0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**1.8**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB84-0100-05103
Lab Code: X2300224-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**0.88**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB84-0100-05103
Lab Code: X2300224-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/27/03	
Toluene-d8	103	68-126	03/27/03	
4-Bromofluorobenzene	97	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB69-0200-07105
Lab Code: X2300224-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	**1.0**		1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	**1.1**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	**0.79**		0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**0.78**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB69-0200-07105
Lab Code: X2300224-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**28**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB69-0200-07105
Lab Code: X2300224-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/27/03	
Toluene-d8	106	68-126	03/27/03	
4-Bromofluorobenzene	97	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB47-0100-16087
Lab Code: X2300224-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB47-0100-16087
Lab Code: X2300224-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**100**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB47-0100-16087
Lab Code: X2300224-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	102	84-113	03/27/03	
Toluene-d8	108	68-126	03/27/03	
4-Bromofluorobenzene	97	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0200-07108
Lab Code: X2300224-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	**9.0**		1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	**0.63**		0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	**13**		0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	**7.7**		0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	**1.5**		1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	**43**		0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0200-07108
Lab Code: X2300224-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	**3.7**		0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0200-07108
Lab Code: X2300224-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	03/27/03	
Toluene-d8	102	68-126	03/27/03	
4-Bromofluorobenzene	97	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0204-1000
Lab Code: X2300224-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0204-1000
Lab Code: X2300224-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0204-1000
Lab Code: X2300224-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	03/27/03	
Toluene-d8	103	68-126	03/27/03	
4-Bromofluorobenzene	96	79-113	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0202-1000
Lab Code: X2300224-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0202-1000
Lab Code: X2300224-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: 03/14/2003
Date Received: 03/14/2003

Volatile Organic Compounds

Sample Name: AVB68-0202-1000
Lab Code: X2300224-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	03/27/03	
Toluene-d8	103	68-126	03/27/03	
4-Bromofluorobenzene	95	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	03/27/03	03/27/03	
Chloromethane	ND	U	2.0	1	03/27/03	03/27/03	
Vinyl Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Bromomethane	ND	U	1.0	1	03/27/03	03/27/03	
Chloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Trichlorofluoromethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,1-Dichloroethene	ND	U	1.0	1	03/27/03	03/27/03	
Acetone	ND	U	10	1	03/27/03	03/27/03	
Iodomethane	ND	U	2.0	1	03/27/03	03/27/03	
Carbon Disulfide	ND	U	2.0	1	03/27/03	03/27/03	
Methylene Chloride	ND	U	1.0	1	03/27/03	03/27/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	03/27/03	03/27/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Vinyl Acetate	ND	U	3.0	1	03/27/03	03/27/03	
2,2-Dichloropropane	ND	U	2.0	1	03/27/03	03/27/03	
2-Butanone (MEK)	ND	U	8.0	1	03/27/03	03/27/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
Bromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Chloroform	ND	U	1.0	1	03/27/03	03/27/03	
1,1,1-Trichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Carbon Tetrachloride	ND	U	0.50	1	03/27/03	03/27/03	
1,1-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
Benzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Trichloroethene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichloropropane	ND	U	0.50	1	03/27/03	03/27/03	
Dibromomethane	ND	U	0.50	1	03/27/03	03/27/03	L1
Bromodichloromethane	ND	U	0.50	1	03/27/03	03/27/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	03/27/03	03/27/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	03/27/03	03/27/03	
Toluene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	03/27/03	03/27/03	
1,1,2-Trichloroethane	ND	U	1.0	1	03/27/03	03/27/03	
Tetrachloroethene	ND	U	0.50	1	03/27/03	03/27/03	
2-Hexanone	ND	U	5.0	1	03/27/03	03/27/03	
1,3-Dichloropropane	ND	U	1.0	1	03/27/03	03/27/03	
Dibromochloromethane	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromoethane	ND	U	0.50	1	03/27/03	03/27/03	
Chlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	03/27/03	03/27/03	
Ethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
m,p-Xylenes	ND	U	1.0	1	03/27/03	03/27/03	
o-Xylene	ND	U	0.50	1	03/27/03	03/27/03	
Styrene	ND	U	0.50	1	03/27/03	03/27/03	
Isopropylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
Bromobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,3-Trichloropropane	ND	U	1.0	1	03/27/03	03/27/03	L1
n-Propylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
2-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
4-Chlorotoluene	ND	U	0.50	1	03/27/03	03/27/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
tert-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
sec-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,3-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
4-Isopropyltoluene	ND	U	0.50	1	03/27/03	03/27/03	
Bromoform	ND	U	0.50	1	03/27/03	03/27/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	03/27/03	03/27/03	
1,4-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
n-Butylbenzene	ND	U	0.50	1	03/27/03	03/27/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	03/27/03	03/27/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	
Hexachlorobutadiene	ND	U	0.50	1	03/27/03	03/27/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300410-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	03/27/03	03/27/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	03/27/03	03/27/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	03/27/03	
Toluene-d8	101	68-126	03/27/03	
4-Bromofluorobenzene	96	79-113	03/27/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB88-0100-05099	X2300224-001	102	105	95
AVB84-0100-05103	X2300224-002	102	103	97
AVB69-0200-07105	X2300224-003	101	106	97
AVB47-0100-16087	X2300224-004	102	108	97
AVB68-0200-07108	X2300224-005	104	102	97
AVB68-0204-1000	X2300224-006	100	103	96
AVB68-0202-1000	X2300224-007	101	103	95
Method Blank	XWG0300410-5	103	101	96
AVB88-0100-05099MS	XWG0300410-1	106	105	100
AVB88-0100-05099DMS	XWG0300410-2	100	100	94
Lab Control Sample	XWG0300410-3	106	105	105
Duplicate Lab Control Sample	XWG0300410-4	101	101	98

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	AVB88-0100-05099MS XWG0300410-1 Matrix Spike Result	Expected	%Rec	AVB88-0100-05099DMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	4.10	10.0	41 M2	3.93	10.0	39 M2	78-207	4	20
Chloromethane	ND	7.16	10.0	72	6.09	10.0	61 M2	70-157	16	20
Vinyl Chloride	ND	7.85	10.0	79	7.19	10.0	72 M2	79-174	9	20
Bromomethane	ND	9.14	10.0	91	7.68	10.0	77	44-150	17	20
Chloroethane	ND	11.1	10.0	111	9.52	10.0	95	74-150	16	20
Trichlorofluoromethane	ND	9.32	10.0	93	8.52	10.0	85	80-134	9	20
1,1,2-Trichlorotrifluoroethane	ND	11.2	10.0	112	10.2	10.0	102	67-128	9	20
1,1-Dichloroethene	ND	9.83	10.0	98	9.12	10.0	91	71-142	7	20
Acetone	ND	30.8	40.0	77	26.0	40.0	65	1-155	17	20
Iodomethane	ND	38.6	40.0	97	35.6	40.0	89	47-120	8	20
Carbon Disulfide	ND	43.2	40.0	108	39.6	40.0	99	77-126	9	20
Methylene Chloride	ND	10.5	10.0	105	9.43	10.0	94	83-106	10	20
Methyl tert-Butyl Ether	ND	9.32	10.0	93	8.58	10.0	86	70-118	8	20
trans-1,2-Dichloroethene	ND	10.8	10.0	108	9.89	10.0	99	86-115	9	20
1,1-Dichloroethane	ND	11.8	10.0	118	10.9	10.0	109	77-127	8	20
Vinyl Acetate	ND	46.0	40.0	115	41.2	40.0	103	8-187	11	20
2,2-Dichloropropane	ND	11.2	10.0	112	10.4	10.0	104	25-154	8	20
2-Butanone (MEK)	ND	35.9	40.0	90	36.9	40.0	92	90-112	3	20
cis-1,2-Dichloroethene	ND	10.3	10.0	103	10.0	10.0	100	69-118	3	20
Bromochloromethane	ND	11.0	10.0	110	10.6	10.0	106	47-136	4	20
Chloroform	ND	11.2	10.0	112	10.5	10.0	105	48-143	6	20
1,1,1-Trichloroethane	ND	9.68	10.0	97	9.02	10.0	90	84-122	7	20
Carbon Tetrachloride	ND	9.98	10.0	100	9.60	10.0	96	79-120	4	20
1,1-Dichloropropene	ND	10.7	10.0	107	9.97	10.0	100	85-117	7	20
Benzene	ND	10.3	10.0	103	9.67	10.0	97	88-114	6	20
1,2-Dichloroethane	ND	10.6	10.0	106	9.94	10.0	99	75-112	6	20
Trichloroethene	1.4	13.5	10.0	121 M1	12.6	10.0	112	76-115	7	20
1,2-Dichloropropane	ND	11.0	10.0	110 M1	10.3	10.0	103	85-107	7	20
Dibromomethane	ND	9.97	10.0	100	9.85	10.0	99	82-106	1	20
Bromodichloromethane	ND	9.78	10.0	98	9.01	10.0	90	83-107	8	20
cis-1,3-Dichloropropene	ND	11.1	10.0	111	9.94	10.0	99	70-114	11	20
4-Methyl-2-pentanone (MIBK)	ND	36.1	40.0	90	35.0	40.0	87	54-129	3	20
Toluene	ND	10.5	10.0	105	9.84	10.0	98	86-114	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	AVB88-0100-05099MS XWG0300410-1 Matrix Spike Result	Expected	%Rec	AVB88-0100-05099DMS XWG0300410-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	10.6	10.0	106	9.61	10.0	96	73-112	10	20
1,1,2-Trichloroethane	ND	9.73	10.0	97	9.03	10.0	90	79-112	7	20
Tetrachloroethene	47	60.5	10.0	131 M3	56.0	10.0	86	78-130	8	20
2-Hexanone	ND	39.7	40.0	99	34.4	40.0	86	77-112	14	20
1,3-Dichloropropane	ND	9.92	10.0	99	9.30	10.0	93	45-133	6	20
Dibromochloromethane	ND	9.73	10.0	97	8.78	10.0	88	74-108	10	20
1,2-Dibromoethane	ND	10.1	10.0	101	9.24	10.0	92	73-113	8	20
Chlorobenzene	ND	10.4	10.0	104	9.75	10.0	98	84-111	6	20
1,1,1,2-Tetrachloroethane	ND	9.79	10.0	98	9.32	10.0	93	84-119	5	20
Ethylbenzene	ND	10.9	10.0	109	10.3	10.0	103	47-136	6	20
m,p-Xylenes	ND	21.5	20.0	107	20.7	20.0	104	84-120	4	20
o-Xylene	ND	10.2	10.0	102	9.76	10.0	98	47-143	5	20
Styrene	ND	10.8	10.0	108	9.93	10.0	99	72-121	8	20
Isopropylbenzene	ND	10.4	10.0	104	9.87	10.0	99	63-108	5	20
Bromobenzene	ND	10.6	10.0	106	10.2	10.0	102	80-113	4	20
1,2,3-Trichloropropane	ND	9.74	10.0	97	9.99	10.0	100	78-119	3	20
n-Propylbenzene	ND	10.9	10.0	109	10.3	10.0	103	76-117	6	20
2-Chlorotoluene	ND	10.5	10.0	105	9.88	10.0	99	79-121	6	20
4-Chlorotoluene	ND	10.7	10.0	107	10.2	10.0	102	70-133	5	20
1,3,5-Trimethylbenzene	ND	10.4	10.0	104	9.97	10.0	100	79-118	5	20
tert-Butylbenzene	ND	10.3	10.0	103	9.83	10.0	98	77-120	5	20
1,2,4-Trimethylbenzene	ND	10.5	10.0	105	9.89	10.0	99	68-127	6	20
sec-Butylbenzene	ND	9.93	10.0	99	9.45	10.0	95	78-123	5	20
1,3-Dichlorobenzene	ND	10.0	10.0	100	9.42	10.0	94	78-127	6	20
4-Isopropyltoluene	ND	10.4	10.0	104	9.89	10.0	99	79-142	5	20
Bromoform	ND	9.46	10.0	95	8.92	10.0	89	83-111	6	20
1,1,2,2-Tetrachloroethane	ND	11.2	10.0	112	10.6	10.0	106	66-133	5	20
1,4-Dichlorobenzene	ND	10.1	10.0	101	9.72	10.0	97	48-139	4	20
1,2-Dichlorobenzene	ND	9.82	10.0	98	9.27	10.0	93	64-109	6	20
n-Butylbenzene	ND	10.8	10.0	108	10.5	10.0	105	69-122	3	20
1,2-Dibromo-3-chloropropane	ND	10.1	10.0	101	9.18	10.0	92	54-160	9	20
1,2,4-Trichlorobenzene	ND	9.41	10.0	94	9.36	10.0	94	39-145	1	20
Hexachlorobutadiene	ND	11.4	10.0	114 M1	11.4	10.0	114 M1	74-113	0	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB88-0100-05099
Lab Code: X2300224-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300410

Analyte Name	Sample Result	AVB88-0100-05099MS XWG0300410-1 Matrix Spike			AVB88-0100-05099DMS XWG0300410-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	8.51	10.0	85	8.48	10.0	85	44-167	0	20
1,2,3-Trichlorobenzene	ND	10.3	10.0	103	10.3	10.0	103	37-158	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	3.98	10.0	40	4.08	10.0	41	1-233	2	20
Chloromethane	6.92	10.0	69	7.23	10.0	72	46-156	4	20
Vinyl Chloride	7.49	10.0	75	7.40	10.0	74	51-158	1	20
Bromomethane	8.51	10.0	85	8.50	10.0	85	37-149	0	20
Chloroethane	9.33	10.0	93	9.41	10.0	94	56-146	1	20
Trichlorofluoromethane	8.46	10.0	85	7.91	10.0	79	69-139	7	20
1,1,2-Trichlorotrifluoroethane	10.9	10.0	109	10.6	10.0	106	83-130	3	20
1,1-Dichloroethene	9.50	10.0	95	9.60	10.0	96	65-112	1	20
Acetone	38.9	40.0	97	43.3	40.0	108	68-128	11	20
Iodomethane	37.4	40.0	93	36.9	40.0	92	68-144	1	20
Carbon Disulfide	42.4	40.0	106	41.5	40.0	104	67-140	2	20
Methylene Chloride	11.0	10.0	110	10.6	10.0	106	70-113	4	20
Methyl tert-Butyl Ether	10.1	10.0	101	9.90	10.0	99	75-115	2	20
trans-1,2-Dichloroethene	10.9	10.0	109	10.4	10.0	104	73-118	5	20
1,1-Dichloroethane	11.7	10.0	117	11.1	10.0	111	77-127	5	20
Vinyl Acetate	47.8	40.0	120	48.2	40.0	120	51-202	1	39
2,2-Dichloropropane	10.7	10.0	107	10.0	10.0	100	75-132	6	20
2-Butanone (MEK)	47.5	40.0	119	40.5	40.0	101	72-122	16	20
cis-1,2-Dichloroethene	10.2	10.0	102	9.86	10.0	99	81-118	3	20
Bromochloromethane	12.0	10.0	120 L1	12.2	10.0	122 L1	82-114	2	20
Chloroform	11.4	10.0	114	10.6	10.0	106	78-119	7	20
1,1,1-Trichloroethane	9.49	10.0	95	8.95	10.0	90	71-125	6	20
Carbon Tetrachloride	9.55	10.0	96	9.16	10.0	92	69-130	4	20
1,1-Dichloropropene	10.3	10.0	103	9.99	10.0	100	77-114	3	20
Benzene	10.3	10.0	103	9.50	10.0	95	81-117	8	20
1,2-Dichloroethane	11.3	10.0	113	10.7	10.0	107	67-122	6	20
Trichloroethene	10.6	10.0	106	10.1	10.0	101	79-114	5	20
1,2-Dichloropropane	11.1	10.0	111	10.5	10.0	105	78-114	6	20
Dibromomethane	11.4	10.0	114 L1	11.5	10.0	115 L1	78-113	2	20
Bromodichloromethane	10.4	10.0	104	10.2	10.0	102	79-122	2	20
cis-1,3-Dichloropropene	11.5	10.0	115	11.1	10.0	111	82-118	3	20
4-Methyl-2-pentanone (MIBK)	40.4	40.0	101	42.9	40.0	107	75-115	6	20
Toluene	10.3	10.0	103	10.1	10.0	101	85-118	2	20
trans-1,3-Dichloropropene	11.2	10.0	112	11.1	10.0	111	79-121	0	20
1,1,2-Trichloroethane	10.5	10.0	105	10.2	10.0	102	79-116	3	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#03103154
Sample Matrix: Water

Service Request: X2300224
Date Extracted: 03/27/2003
Date Analyzed: 03/27/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300410

	Lab Control Sample XWG0300410-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300410-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.53	10.0	95	9.31	10.0	93	76-127	2	20
2-Hexanone	44.0	40.0	110	46.3	40.0	116	65-120	5	20
1,3-Dichloropropane	10.3	10.0	103	10.7	10.0	107	81-116	4	20
Dibromochloromethane	9.91	10.0	99	10.0	10.0	100	77-119	1	20
1,2-Dibromoethane	10.5	10.0	105	10.3	10.0	103	79-116	2	20
Chlorobenzene	10.2	10.0	102	9.72	10.0	97	84-114	5	20
1,1,1,2-Tetrachloroethane	9.81	10.0	98	9.46	10.0	95	78-118	4	20
Ethylbenzene	10.8	10.0	108	10.2	10.0	102	79-124	6	20
m,p-Xylenes	21.4	20.0	107	20.3	20.0	101	75-131	6	20
o-Xylene	10.4	10.0	104	9.83	10.0	98	78-122	5	20
Styrene	10.8	10.0	108	10.2	10.0	102	80-126	5	20
Isopropylbenzene	10.5	10.0	105	9.60	10.0	96	75-126	8	20
Bromobenzene	11.1	10.0	111	10.2	10.0	102	82-122	8	20
1,2,3-Trichloropropane	12.2	10.0	122 L1	10.7	10.0	107	77-118	13	20
n-Propylbenzene	11.0	10.0	110	10.2	10.0	102	75-129	7	20
2-Chlorotoluene	10.8	10.0	108	9.94	10.0	99	77-126	8	20
4-Chlorotoluene	11.1	10.0	111	10.4	10.0	104	82-120	7	20
1,3,5-Trimethylbenzene	10.8	10.0	108	9.86	10.0	99	75-130	9	20
tert-Butylbenzene	10.4	10.0	104	9.68	10.0	97	73-130	7	20
1,2,4-Trimethylbenzene	10.8	10.0	108	9.97	10.0	100	60-137	8	20
sec-Butylbenzene	10.1	10.0	101	9.32	10.0	93	68-131	8	20
1,3-Dichlorobenzene	10.2	10.0	102	9.60	10.0	96	71-137	6	20
4-Isopropyltoluene	10.5	10.0	105	9.69	10.0	97	68-134	8	20
Bromoform	9.86	10.0	99	9.68	10.0	97	70-118	2	20
1,1,2,2-Tetrachloroethane	12.1	10.0	121	12.0	10.0	120	72-122	1	20
1,4-Dichlorobenzene	10.1	10.0	101	9.60	10.0	96	82-114	5	20
1,2-Dichlorobenzene	10.2	10.0	102	9.54	10.0	95	81-118	7	20
n-Butylbenzene	10.7	10.0	107	10.0	10.0	100	71-125	7	20
1,2-Dibromo-3-chloropropane	9.68	10.0	97	11.1	10.0	111	55-131	14	20
1,2,4-Trichlorobenzene	10.4	10.0	104	9.75	10.0	98	75-123	6	20
Hexachlorobutadiene	10.9	10.0	109	10.1	10.0	101	63-140	7	20
Naphthalene	10.7	10.0	107	9.73	10.0	97	67-125	10	20
1,2,3-Trichlorobenzene	11.9	10.0	119	11.5	10.0	115	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 27, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: WVBA/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 14, 2003. For your reference, these analyses have been assigned our service request number L2300592.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

000038

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000039

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154

Service Request : L2300592

Sample Name :	Lab Code :
Laboratory Control Sample	L2300321-LCS
Method Blank	L2300321-MB
AVB88-0100-05099	L2300592-001
AVB84-0100-05103	L2300592-002
AVB69-0200-07105	L2300592-003
AVB47-0100-16087	L2300592-004
AVB68-0200-07108	L2300592-005
AVB68-0204-1000	L2300592-006
Batch QC	L2300624-001S
Batch QC	L2300624-001SD

Approved By: Sue Anderson Date: 3/27/03

000040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Total Metals

Sample Name :	AVB88-0100-05099	**Units :**	ug/L (ppb)
Lab Code :	L2300592-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	31	

000041

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Dissolved Metals

Sample Name :	AVB88-0100-05099	**Units :**	ug/L (ppb)
Lab Code :	L2300592-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	27	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Total Metals

Sample Name :	AVB84-0100-05103	**Units :**	ug/L (ppb)
Lab Code :	L2300592-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Dissolved Metals

Sample Name :	AVB84-0100-05103	**Units :**	ug/L (ppb)
Lab Code :	L2300592-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Total Metals

Sample Name :	AVB69-0200-07105	**Units :**	ug/L (ppb)
Lab Code :	L2300592-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	1750	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : 03/14/03
Date Received : 03/14/03
Date Extracted : 03/21/03

Dissolved Metals

Sample Name : AVB69-0200-07105
Lab Code : L2300592-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : 03/14/03
Date Received : 03/14/03
Date Extracted : 03/21/03

Total Metals

Sample Name : AVB47-0100-16087
Lab Code : L2300592-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	300	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Dissolved Metals

Sample Name :	AVB47-0100-16087	**Units :**	ug/L (ppb)
Lab Code :	L2300592-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Total Metals

Sample Name :	AVB68-0200-07108	**Units :**	ug/L (ppb)
Lab Code :	L2300592-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	21	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : 03/14/03
Date Received : 03/14/03
Date Extracted : 03/21/03

Dissolved Metals

Sample Name : AVB68-0200-07108
Lab Code : L2300592-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : 03/14/03
Date Received : 03/14/03
Date Extracted : 03/21/03

Total Metals

Sample Name : AVB68-0204-1000
Lab Code : L2300592-006

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000051

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	03/14/03
Project No. :	03103154	**Date Received :**	03/14/03
Matrix :	Water	**Date Extracted :**	03/21/03

Dissolved Metals

Sample Name :	AVB68-0204-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300592-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300592
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/21/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300321-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/26/03	ND	

000053

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : NA
Date Received : NA
Date Extracted : 03/21/03
Date Analyzed : 03/26/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2300321-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	526	105	87-111	

000054

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 03103154
Matrix : Water

Service Request : L2300592
Date Collected : NA
Date Received : NA
Date Extracted : 03/21/03
Date Analyzed : 03/26/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2300624-001S L2300624-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	503	525	101	105	87-105	4	

000055

Columbia Analytical Services INC.
An Employee - Owned Company

L2300592

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-14-03 PAGE 1 OF 1

PROJECT NAME WUBA # 0310 3154

PROJECT MANAGER CHUCK GORDON

COMPANY/ADDRESS BE+K 9850 S 51ST ST

SUITE A127 PHX AZ 85044

480 496 4100 PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR (HNO3)	DISSOLVED CR			REMARKS
AVB 88-0100-05099	3-14-03	0800	~~224~~-001	AQ		5		3											1	1			
AVB 84-0100-05103	"	09.10	002	"		5		3											1	1			
AVB 690200-07105	"	10.25	003	"		5		3											1	1			
AVB 47-0100-16087	"	11.20	004	"		5		3											1	1			
AVB 680200-07108	"	12.00	005	"		5		3											1	1			
AVB 680204-1000	"	12.25	006	"		5		3											1	1			
~~AVB 680202-1000~~	"	—	007	"		1		1	LL														

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report

X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)

___ III. Data Validation Report (includes All Raw Data)

___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____

Bill To _____

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #: _____

Condition: _____

Lab No: X23-00224

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3-14-03 1300	Leslie May	CAS	3-14-03 1300
Leslie May	CAS	3-17-03 1600	Fedex		
Fedex				CAS	3/18/03 0855

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

Temp 5.8°C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 0592 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or (N) (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK done ✓

RUSH Turn around time? Yes ____ Notified _____ Date & Time_____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

-1 → -6 = { 1 - 500ml Pl (NP) A ; 1 - 500ml Pl (HNO3) B }

Comments Diss Metals bottle to be filtered & preserved in lab Benny Notified @ 3/18/03 0950

Initials, Date, Time LK 3/18/03 0915 3/18/03

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3-14-03 PAGE 1 OF 1

PROJECT NAME WUSA # 0310 3154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BE+K 9850 S 51ST ST
SUITE A127 PHX AZ 85044
480 496 4100 PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL CR (HNO3)	DISSOLVED CR			REMARKS
AVB 88-0100-050903	3-14-03	0800	224-001	AQ		5		3											1	1			
AVB 84-0100-05103	"	09:10	002	"		5		3											1	1			
AVB 690200-07105	"	10:25	003	"		5		3											1	1			
AVB 47-0100-16087	"	11:20	004	"		5		3											1	1			
AVB 680200-07108	"	12:00	005	"		5		3											1	1			
AVB 680204-1000	"	12:25	006	"		5		3											1	1			
AVB 680202-1000	"	—	007	"		1		1															

ANALYSIS REQUESTED

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.# _____
Bill To _____

SAMPLE RECEIPT:

Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: x23.00224

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE+K	3-14-03 1300	Leslie May	CAS	3-14-03 1300
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

Temp 5.8°C

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0224

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: Tetra Tech Project Name: WVBA

Sample(s) Received on: 3-14-03 date 1255 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.8°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	↘	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

Columbia Analytical Services INC.
An Employee-Owned Company

June 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on May 28, 2003. The samples were analyzed for Total Chromium and Dissolved Chromium by our Canoga Park, CA facility (L2301140). For your reference, the 8260 analyses have been assigned our service request number X2300458.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300458
Project:	WVB / #03103154	**Date Received:**	5/28/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Sample AVB115-0100-01122 (X2300458-001) required dilution of Method 8260B due to high concentration of target analytes.

The associated blank spike (XWG0300710-3 and XWG0300710-4) recovery of several analytes for Method 8260B was above laboratory acceptance limits. These compounds were not detected in the samples.

The associated blank spike (XWG0300710-3) recovery of Trichloroehtene for Method 8260B was above laboratory acceptance limits but within method default limits of 70-130%. This compound was recovered within acceptable levels in the DLCS and the CCV that was analyzed with this batch of samples.

Surrogate recovery of Dibromofluoromethane and 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for samples AVB115-0104-1000 (X2300458-002) and AVB121-0100-01122 (X2300458-005), but within method acceptance limits.

Surrogate recovery of 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for samples AVB121-0102-1000 (X2300458-007), MS (XWG0300710-1), and DMS (XWG0300710-2), but within method acceptance limits.

MS/DMS (XWG0300710-1 and XWG0300710-2) RPD for Chloroethane, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

The accuracy of the spike (XWG0300710-1 and XWG0300710-2) recovery value of several analytes for Method 8260B is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

Approved by _____ **Date** 6-16-03

Matrix spike (XWG0300710-1 and XWG0300710-2) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300710-1 and XWG0300710-2) recovery of Bromoform, Method 8260B, was low. The method control sample recovery was acceptable.

Approved by _____ **Date** 6-16-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2	The associated blank spike recovery was below laboratory acceptance limits. See case narrative.
L3	The associated blank spike recovery was above method acceptance limits. See case narrative.
L4	The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1	Matrix spike recovery was high, the method control sample recovery was acceptable.
M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
M3	The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.
M5	Analyte concentration was determined by the method of standard addition (MSA).
M6	Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7	Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1	See case narrative.
N2	See corrective action report.

Sample quality:

Q1	Sample integrity was not maintained. See case narrative.
Q2	Sample received with head space.
Q3	Sample received with improper chemical preservation.
Q4	Sample received and analyzed without chemical preservation.
Q5	Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6	Sample was received above recommended temperature.
Q7	Sample inadequately dechlorinated.
Q8	Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.
Q9	Insufficient sample received to meet QC requirements.
Q10	Sample received in inappropriate sample container.
Q11	Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1	RPD exceeded the method control limit. See case narrative.
R2	RPD exceeded the laboratory control limit. See case narrative.
R3	Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.
R4	MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5	MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6	LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7	LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8	Sample RPD exceeded the method control limit.
R9	Sample RPD exceeded the laboratory control limit.

Surrogate:

S1	Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S2	Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300458

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB115-0100-01122	X2300458-001	05/27/2003	05/28/2003
AVB115-0104-1000	X2300458-002	05/27/2003	05/28/2003
AVB122-0100-01144	X2300458-003	05/28/2003	05/28/2003
AVB120-0100-01130	X2300458-004	05/28/2003	05/28/2003
AVB121-0100-01122	X2300458-005	05/28/2003	05/28/2003
AVB121-0104-1000	X2300458-006	05/28/2003	05/28/2003
AVB121-0102-1000	X2300458-007	05/28/2003	05/28/2003
AVB115-0100-01122MS	XWG0300710-1	05/27/2003	05/28/2003
AVB115-0100-01122DMS	XWG0300710-2	05/27/2003	05/28/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 6-16-03
Title: Lab Manager

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	30	10	06/06/03	06/09/03	D2
Chloromethane	ND	U	20	10	06/06/03	06/09/03	D2
Vinyl Chloride	ND	U	10	10	06/06/03	06/09/03	D2
Bromomethane	ND	U	10	10	06/06/03	06/09/03	D2
Chloroethane	ND	U	10	10	06/06/03	06/09/03	D2
Trichlorofluoromethane	**17**	D	10	10	06/06/03	06/09/03	D2
1,1,2-Trichlorotrifluoroethane	**16**	D	10	10	06/06/03	06/09/03	D2
1,1-Dichloroethene	ND	U	10	10	06/06/03	06/09/03	D2L1
Acetone	ND	U	100	10	06/06/03	06/09/03	D2
Iodomethane	ND	U	20	10	06/06/03	06/09/03	D2
Carbon Disulfide	ND	U	20	10	06/06/03	06/09/03	D2
Methylene Chloride	ND	U	10	10	06/06/03	06/09/03	D2
Methyl tert-Butyl Ether	ND	U	10	10	06/06/03	06/09/03	D2
trans-1,2-Dichloroethene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,1-Dichloroethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Vinyl Acetate	ND	U	30	10	06/06/03	06/09/03	D2
2,2-Dichloropropane	ND	U	20	10	06/06/03	06/09/03	D2
2-Butanone (MEK)	ND	U	80	10	06/06/03	06/09/03	D2
cis-1,2-Dichloroethene	**38**	D	5.0	10	06/06/03	06/09/03	D2
Bromochloromethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Chloroform	ND	U	10	10	06/06/03	06/09/03	D2
1,1,1-Trichloroethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Carbon Tetrachloride	ND	U	5.0	10	06/06/03	06/09/03	D2L1
1,1-Dichloropropene	ND	U	5.0	10	06/06/03	06/09/03	D2L1
Benzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2-Dichloroethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Trichloroethene	**210**	D	5.0	10	06/06/03	06/09/03	D2L1
1,2-Dichloropropane	ND	U	5.0	10	06/06/03	06/09/03	D2
Dibromomethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Bromodichloromethane	ND	U	5.0	10	06/06/03	06/09/03	D2
cis-1,3-Dichloropropene	ND	U	5.0	10	06/06/03	06/09/03	D2
4-Methyl-2-pentanone (MIBK)	ND	U	80	10	06/06/03	06/09/03	D2
Toluene	ND	U	5.0	10	06/06/03	06/09/03	D2

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	10	10	06/06/03	06/09/03	D2
1,1,2-Trichloroethane	ND	U	10	10	06/06/03	06/09/03	D2
Tetrachloroethene	**9.2**	D	5.0	10	06/06/03	06/09/03	D2
2-Hexanone	ND	U	50	10	06/06/03	06/09/03	D2
1,3-Dichloropropane	ND	U	10	10	06/06/03	06/09/03	D2
Dibromochloromethane	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2-Dibromoethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Chlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,1,1,2-Tetrachloroethane	ND	U	5.0	10	06/06/03	06/09/03	D2
Ethylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
m,p-Xylenes	ND	U	10	10	06/06/03	06/09/03	D2
o-Xylene	ND	U	5.0	10	06/06/03	06/09/03	D2
Styrene	ND	U	5.0	10	06/06/03	06/09/03	D2
Isopropylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
Bromobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2,3-Trichloropropane	ND	U	10	10	06/06/03	06/09/03	D2
n-Propylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
2-Chlorotoluene	ND	U	5.0	10	06/06/03	06/09/03	D2
4-Chlorotoluene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,3,5-Trimethylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
tert-Butylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2,4-Trimethylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
sec-Butylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,3-Dichlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
4-Isopropyltoluene	ND	U	5.0	10	06/06/03	06/09/03	D2
Bromoform	ND	U	5.0	10	06/06/03	06/09/03	D2
1,1,2,2-Tetrachloroethane	ND	U	10	10	06/06/03	06/09/03	D2
1,4-Dichlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2-Dichlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
n-Butylbenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
1,2-Dibromo-3-chloropropane	ND	U	50	10	06/06/03	06/09/03	D2
1,2,4-Trichlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2
Hexachlorobutadiene	ND	U	10	10	06/06/03	06/09/03	D2

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	30	10	06/06/03	06/09/03	D2
1,2,3-Trichlorobenzene	ND	U	5.0	10	06/06/03	06/09/03	D2

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	06/09/03	D2
Toluene-d8	117	68-126	06/09/03	D2
4-Bromofluorobenzene	110	79-113	06/09/03	D2

Comments:

000011

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0104-1000
Lab Code: X2300458-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

000012

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0104-1000
Lab Code: X2300458-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/27/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB115-0104-1000
Lab Code: X2300458-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	117	84-113	06/09/03	S1
Toluene-d8	121	68-126	06/09/03	
4-Bromofluorobenzene	116	79-113	06/09/03	S1

Comments:

000014

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB122-0100-01144
Lab Code: X2300458-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	**1.9**		1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	**3.5**		1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	**4.1**		1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	**0.68**		0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	**9.3**		1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	**8.0**		0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB122-0100-01144
Lab Code: X2300458-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	**32**		0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB122-0100-01144
Lab Code: X2300458-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	113	84-113	06/09/03	
Toluene-d8	122	68-126	06/09/03	
4-Bromofluorobenzene	112	79-113	06/09/03	

Comments:

000017

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	BE&K Terranext	**Service Request:**	X2300458
Project:	WVB/#03103154	**Date Collected:**	05/28/2003
Sample Matrix:	Water	**Date Received:**	05/28/2003

Volatile Organic Compounds

Sample Name:	AVB120-0100-01130	**Units:**	ug/L
Lab Code:	X2300458-004	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	**1.6**		1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	**1.9**		1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	**1.9**		1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	**0.51**		0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	**3.5**		0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	**5.0**		1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	**55**		0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB120-0100-01130
Lab Code: X2300458-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	**17**		0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB120-0100-01130
Lab Code: X2300458-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	06/09/03	
Toluene-d8	123	68-126	06/09/03	
4-Bromofluorobenzene	112	79-113	06/09/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0100-01122
Lab Code: X2300458-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0100-01122
Lab Code: X2300458-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0100-01122
Lab Code: X2300458-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	114	84-113	06/09/03	S1
Toluene-d8	121	68-126	06/09/03	
4-Bromofluorobenzene	114	79-113	06/09/03	S1

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0104-1000
Lab Code: X2300458-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0104-1000
Lab Code: X2300458-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0104-1000
Lab Code: X2300458-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	112	84-113	06/09/03	
Toluene-d8	120	68-126	06/09/03	
4-Bromofluorobenzene	112	79-113	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0102-1000
Lab Code: X2300458-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: 05/28/2003
Date Received: 05/28/2003

Volatile Organic Compounds

Sample Name: AVB121-0102-1000
Lab Code: X2300458-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300458
Project:	WVB/#03103154	**Date Collected:**	05/28/2003
Sample Matrix:	Water	**Date Received:**	05/28/2003

Volatile Organic Compounds

Sample Name:	AVB121-0102-1000	**Units:**	ug/L
Lab Code:	X2300458-007	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	113	84-113	06/09/03	
Toluene-d8	122	68-126	06/09/03	
4-Bromofluorobenzene	115	79-113	06/09/03	S1

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	06/09/03	
Toluene-d8	117	68-126	06/09/03	
4-Bromofluorobenzene	111	79-113	06/09/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB115-0100-01122	X2300458-001	109	117	110
AVB115-0104-1000	X2300458-002	117 S1	121	116 S1
AVB122-0100-01144	X2300458-003	113	122	112
AVB120-0100-01130	X2300458-004	112	123	112
AVB121-0100-01122	X2300458-005	114 S1	121	114 S1
AVB121-0104-1000	X2300458-006	112	120	112
AVB121-0102-1000	X2300458-007	113	122	115 S1
Method Blank	XWG0300710-5	108	117	111
AVB115-0100-01122MS	XWG0300710-1	112	121	116 S1
AVB115-0100-01122DMS	XWG0300710-2	112	120	114 S1
Lab Control Sample	XWG0300710-3	105	114	111
Duplicate Lab Control Sample	XWG0300710-4	107	116	112

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	AVB115-0100-01122MS XWG0300710-1 Matrix Spike Result	Expected	%Rec	AVB115-0100-01122DMS XWG0300710-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	12.8	10.0	128	12.0	10.0	120	78-207	6	20
Chloromethane	ND	11.0	10.0	110	10.4	10.0	104	70-157	6	20
Vinyl Chloride	ND	11.9	10.0	119	11.3	10.0	113	79-174	6	20
Bromomethane	ND	8.41	10.0	84	7.99	10.0	80	44-150	5	20
Chloroethane	ND	12.3	10.0	123	9.50	10.0	95	74-150	25 R5	20
Trichlorofluoromethane	17	18.4	10.0	19 M3	17.6	10.0	11 M3	80-134	4	20
1,1,2-Trichlorotrifluoroethane	16	14.7	10.0	-8 M3	14.1	10.0	-14 M3	67-128	4	20
1,1-Dichloroethene	ND	18.3	10.0	183 M1	16.9	10.0	169 M1	71-142	8	20
Acetone	ND	37.1	40.0	93	36.2	40.0	91	1-155	2	20
Iodomethane	ND	40.0	40.0	100	39.6	40.0	99	47-120	1	20
Carbon Disulfide	ND	55.8	40.0	139 M1	53.2	40.0	133 M1	77-126	5	20
Methylene Chloride	ND	11.1	10.0	111 M1	10.5	10.0	105	83-106	5	20
Methyl tert-Butyl Ether	ND	9.20	10.0	92	9.22	10.0	92	70-118	0	20
trans-1,2-Dichloroethene	ND	11.3	10.0	113	11.1	10.0	111	86-115	2	20
1,1-Dichloroethane	ND	14.2	10.0	142 M1	13.9	10.0	139 M1	77-127	2	20
Vinyl Acetate	ND	33.0	40.0	82	34.6	40.0	87	8-187	5	20
2,2-Dichloropropane	ND	13.2	10.0	132	12.9	10.0	129	25-154	2	20
2-Butanone (MEK)	ND	44.8	40.0	112	46.0	40.0	115 M1	90-112	2	20
cis-1,2-Dichloroethene	38	52.0	10.0	140 M3	50.9	10.0	129 M3	69-118	2	20
Bromochloromethane	ND	9.37	10.0	94	9.10	10.0	91	47-136	3	20
Chloroform	ND	12.7	10.0	127	12.5	10.0	125	48-143	2	20
1,1,1-Trichloroethane	ND	11.6	10.0	116	11.4	10.0	114	84-122	2	20
Carbon Tetrachloride	ND	14.1	10.0	141 M1	13.7	10.0	137 M1	79-120	3	20
1,1-Dichloropropene	ND	13.0	10.0	130 M1	12.8	10.0	128 M1	85-117	2	20
Benzene	ND	11.2	10.0	112	11.0	10.0	110	88-114	2	20
1,2-Dichloroethane	ND	10.2	10.0	102	10.2	10.0	102	75-112	0	20
Trichloroethene	210	230E	10.0	241 M3	231E	10.0	250 M3	76-115	0	20
1,2-Dichloropropane	ND	9.51	10.0	95	9.89	10.0	99	85-107	4	20
Dibromomethane	ND	9.56	10.0	96	9.88	10.0	99	82-106	3	20
Bromodichloromethane	ND	9.50	10.0	95	9.57	10.0	96	83-107	1	20
cis-1,3-Dichloropropene	ND	9.97	10.0	100	9.90	10.0	99	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	36.5	40.0	91	38.9	40.0	97	54-129	6	20
Toluene	ND	11.4	10.0	114	11.2	10.0	112	86-114	2	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	AVB115-0100-01122MS XWG0300710-1 Matrix Spike Result	Expected	%Rec	AVB115-0100-01122DMS XWG0300710-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.47	10.0	95	9.54	10.0	95	73-112	1	20
1,1,2-Trichloroethane	ND	9.14	10.0	91	9.32	10.0	93	79-112	2	20
Tetrachloroethene	9.2	22.8	10.0	136 M3	22.5	10.0	133 M3	78-130	1	20
2-Hexanone	ND	31.0	40.0	78	31.7	40.0	79	77-112	2	20
1,3-Dichloropropane	ND	9.50	10.0	95	9.49	10.0	95	45-133	0	20
Dibromochloromethane	ND	8.89	10.0	89	9.06	10.0	91	74-108	2	20
1,2-Dibromoethane	ND	9.10	10.0	91	9.38	10.0	94	73-113	3	20
Chlorobenzene	ND	10.9	10.0	109	10.8	10.0	108	84-111	1	20
1,1,1,2-Tetrachloroethane	ND	10.2	10.0	102	10.0	10.0	100	84-119	2	20
Ethylbenzene	ND	12.1	10.0	121	11.9	10.0	119	47-136	2	20
m,p-Xylenes	ND	23.7	20.0	119	23.6	20.0	118	84-120	1	20
o-Xylene	ND	11.4	10.0	114	11.1	10.0	111	47-143	3	20
Styrene	ND	11.3	10.0	113	11.1	10.0	111	72-121	2	20
Isopropylbenzene	ND	12.3	10.0	123 M1	12.0	10.0	120 M1	63-108	2	20
Bromobenzene	ND	10.4	10.0	104	10.1	10.0	101	80-113	3	20
1,2,3-Trichloropropane	ND	9.57	10.0	96	9.71	10.0	97	78-119	1	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.3	10.0	123 M1	76-117	3	20
2-Chlorotoluene	ND	11.7	10.0	117	11.4	10.0	114	79-121	3	20
4-Chlorotoluene	ND	11.2	10.0	112	10.8	10.0	108	70-133	4	20
1,3,5-Trimethylbenzene	ND	12.1	10.0	121 M1	11.7	10.0	117	79-118	4	20
tert-Butylbenzene	ND	12.1	10.0	121 M1	11.5	10.0	115	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.7	10.0	117	11.4	10.0	114	68-127	3	20
sec-Butylbenzene	ND	12.5	10.0	125 M1	12.1	10.0	121	78-123	3	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.2	10.0	102	78-127	4	20
4-Isopropyltoluene	ND	12.7	10.0	127	12.2	10.0	122	79-142	4	20
Bromoform	ND	8.01	10.0	80 M2	8.13	10.0	81 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	8.82	10.0	88	9.38	10.0	94	66-133	6	20
1,4-Dichlorobenzene	ND	10.5	10.0	105	10.4	10.0	104	48-139	1	20
1,2-Dichlorobenzene	ND	10.1	10.0	101	9.95	10.0	100	64-109	2	20
n-Butylbenzene	ND	12.7	10.0	127 M1	12.4	10.0	124 M1	69-122	2	20
1,2-Dibromo-3-chloropropane	ND	7.39	10.0	74	8.78	10.0	88	54-160	17	20
1,2,4-Trichlorobenzene	ND	9.48	10.0	95	9.66	10.0	97	39-145	2	20
Hexachlorobutadiene	ND	11.9	10.0	119 M1	12.1	10.0	121 M1	74-113	2	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: AVB115-0100-01122
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	AVB115-0100-01122MS XWG0300710-1 Matrix Spike			AVB115-0100-01122DMS XWG0300710-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.20	10.0	92	9.70	10.0	97	44-167	5	20
1,2,3-Trichlorobenzene	ND	9.76	10.0	98	10.4	10.0	104	37-158	6	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300710

	Lab Control Sample XWG0300710-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300710-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	11.6	10.0	116	11.8	10.0	118	1-233	2	20
Chloromethane	10.3	10.0	103	10.2	10.0	102	46-156	1	20
Vinyl Chloride	10.9	10.0	109	10.6	10.0	106	51-158	3	20
Bromomethane	8.07	10.0	81	7.96	10.0	80	37-149	1	20
Chloroethane	9.44	10.0	94	8.92	10.0	89	56-146	6	20
Trichlorofluoromethane	12.0	10.0	120	11.9	10.0	119	69-139	1	20
1,1,2-Trichlorotrifluoroethane	12.6	10.0	126	12.5	10.0	125	83-130	1	20
1,1-Dichloroethene	11.6	10.0	116 L1	11.1	10.0	111	65-112	5	20
Acetone	34.8	40.0	87	39.1	40.0	98	68-128	12	20
Iodomethane	38.0	40.0	95	39.6	40.0	99	68-144	4	20
Carbon Disulfide	51.3	40.0	128	50.8	40.0	127	67-140	1	20
Methylene Chloride	10.6	10.0	106	10.6	10.0	106	70-113	0	20
Methyl tert-Butyl Ether	8.93	10.0	89	9.08	10.0	91	75-115	2	20
trans-1,2-Dichloroethene	10.4	10.0	104	10.5	10.0	105	73-118	1	20
1,1-Dichloroethane	11.4	10.0	114	11.1	10.0	111	77-127	2	20
Vinyl Acetate	28.5	40.0	71	34.6	40.0	87	51-202	19	39
2,2-Dichloropropane	12.3	10.0	123	12.9	10.0	129	75-132	5	20
2-Butanone (MEK)	38.2	40.0	96	38.9	40.0	97	72-122	2	20
cis-1,2-Dichloroethene	10.7	10.0	107	10.5	10.0	105	81-118	2	20
Bromochloromethane	9.18	10.0	92	9.43	10.0	94	82-114	3	20
Chloroform	10.6	10.0	106	10.5	10.0	105	78-119	1	20
1,1,1-Trichloroethane	11.2	10.0	112	11.1	10.0	111	71-125	1	20
Carbon Tetrachloride	13.3	10.0	133 L1	13.3	10.0	133 L1	69-130	1	20
1,1-Dichloropropene	12.4	10.0	124 L1	12.4	10.0	124 L1	77-114	0	20
Benzene	11.0	10.0	110	10.8	10.0	108	81-117	2	20
1,2-Dichloroethane	10.1	10.0	101	10.2	10.0	102	67-122	1	20
Trichloroethene	11.7	10.0	117 L1	11.2	10.0	112	79-114	4	20
1,2-Dichloropropane	9.72	10.0	97	9.64	10.0	96	78-114	1	20
Dibromomethane	9.98	10.0	100	9.81	10.0	98	78-113	2	20
Bromodichloromethane	9.32	10.0	93	9.41	10.0	94	79-122	1	20
cis-1,3-Dichloropropene	10.1	10.0	101	9.98	10.0	100	82-118	1	20
4-Methyl-2-pentanone (MIBK)	37.7	40.0	94	36.2	40.0	90	75-115	4	20
Toluene	11.1	10.0	111	10.9	10.0	109	85-118	2	20
trans-1,3-Dichloropropene	9.64	10.0	96	9.63	10.0	96	79-121	0	20
1,1,2-Trichloroethane	9.39	10.0	94	9.26	10.0	93	79-116	1	20

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Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300458
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300710

	Lab Control Sample XWG0300710-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300710-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	11.9	10.0	119	11.7	10.0	117	76-127	1	20
2-Hexanone	33.5	40.0	84	34.0	40.0	85	65-120	1	20
1,3-Dichloropropane	9.49	10.0	95	9.54	10.0	95	81-116	1	20
Dibromochloromethane	8.80	10.0	88	8.74	10.0	87	77-119	1	20
1,2-Dibromoethane	9.41	10.0	94	9.59	10.0	96	79-116	2	20
Chlorobenzene	10.6	10.0	106	10.5	10.0	105	84-114	1	20
1,1,1,2-Tetrachloroethane	9.85	10.0	99	9.82	10.0	98	78-118	0	20
Ethylbenzene	11.6	10.0	116	11.5	10.0	115	79-124	1	20
m,p-Xylenes	23.4	20.0	117	22.9	20.0	115	75-131	2	20
o-Xylene	10.9	10.0	109	10.8	10.0	108	78-122	1	20
Styrene	11.0	10.0	110	11.1	10.0	111	80-126	1	20
Isopropylbenzene	11.8	10.0	118	11.5	10.0	115	75-126	2	20
Bromobenzene	10.3	10.0	103	10.2	10.0	102	82-122	1	20
1,2,3-Trichloropropane	9.65	10.0	97	9.64	10.0	96	77-118	0	20
n-Propylbenzene	12.0	10.0	120	11.9	10.0	119	75-129	1	20
2-Chlorotoluene	11.4	10.0	114	11.2	10.0	112	77-126	2	20
4-Chlorotoluene	10.8	10.0	108	10.6	10.0	106	82-120	2	20
1,3,5-Trimethylbenzene	11.5	10.0	115	11.3	10.0	113	75-130	2	20
tert-Butylbenzene	11.4	10.0	114	11.1	10.0	111	73-130	3	20
1,2,4-Trimethylbenzene	11.3	10.0	113	11.0	10.0	110	60-137	3	20
sec-Butylbenzene	11.8	10.0	118	11.6	10.0	116	68-131	2	20
1,3-Dichlorobenzene	10.5	10.0	105	10.2	10.0	102	71-137	2	20
4-Isopropyltoluene	11.9	10.0	119	11.6	10.0	116	68-134	2	20
Bromoform	8.33	10.0	83	8.50	10.0	85	70-118	2	20
1,1,2,2-Tetrachloroethane	9.09	10.0	91	9.65	10.0	97	72-122	6	20
1,4-Dichlorobenzene	10.5	10.0	105	10.3	10.0	103	82-114	2	20
1,2-Dichlorobenzene	10.2	10.0	102	10.0	10.0	100	81-118	1	20
n-Butylbenzene	11.9	10.0	119	12.0	10.0	120	71-125	0	20
1,2-Dibromo-3-chloropropane	8.56	10.0	86	8.57	10.0	86	55-131	0	20
1,2,4-Trichlorobenzene	9.85	10.0	99	9.66	10.0	97	75-123	2	20
Hexachlorobutadiene	11.7	10.0	117	11.7	10.0	117	63-140	1	20
Naphthalene	9.91	10.0	99	9.81	10.0	98	67-125	1	20
1,2,3-Trichlorobenzene	10.4	10.0	104	10.3	10.0	103	72-124	1	20

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6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

June 11, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on May 28, 2003. For your reference, these analyses have been assigned our service request number L2301140.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000040

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2301140

Sample Name :	Lab Code :
Batch QC	L2301139-004S
Batch QC	L2301139-004SD
AVB115-0100-01122	L2301140-001
AVB115-0104-1000	L2301140-002
AVB122-0100-01144	L2301140-003
AVB120-0100-01130	L2301140-004
AVB121-0100-01122	L2301140-005
AVB121-0104-1000	L2301140-006
Laboratory Control Sample	L2301140-LCS
Method Blank	L2301140-MB

Approved By: _____ Date: 6/11/03

000041

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB115-0100-01122	**Units :**	ug/L (ppb)
Lab Code :	L2301140-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000042

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB115-0100-01122	**Units :**	ug/L (ppb)
Lab Code :	L2301140-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000643

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB115-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301140-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000044

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB115-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301140-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB122-0100-01144	**Units :**	ug/L (ppb)
Lab Code :	L2301140-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	11	

000046

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB122-0100-01144	**Units :**	ug/L (ppb)
Lab Code :	L2301140-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000047

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB120-0100-01130	**Units :**	ug/L (ppb)
Lab Code :	L2301140-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	16	

000048

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB120-0100-01130	**Units :**	ug/L (ppb)
Lab Code :	L2301140-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2301140
Date Collected : 05/27/03
Date Received : 05/28/03
Date Extracted : 06/04/03

Total Metals

Sample Name : AVB121-0100-01122
Lab Code : L2301140-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000050

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2301140
Date Collected : 05/27/03
Date Received : 05/28/03
Date Extracted : 06/04/03

Dissolved Metals

Sample Name : AVB121-0100-01122
Lab Code : L2301140-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000051

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB121-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301140-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000052

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301140
Project Name :	WVB	**Date Collected :**	05/27/03
Project No. :	03103154	**Date Received :**	05/28/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB121-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301140-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

000053

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2301140
Date Collected : NA
Date Received : NA
Date Extracted : 06/04/03

Total Metals

Sample Name : Method Blank
Lab Code : L2301140-MB

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

006054

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2301140
Date Collected : NA
Date Received : NA
Date Extracted : 06/04/03
Date Analyzed : 06/10/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2301140-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	500	100	87-111	

000055

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2301140
Date Collected : NA
Date Received : NA
Date Extracted : 06/04/03
Date Analyzed : 06/10/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2301139-004S L2301139-004SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	482	482	96	96	87-105	<1	

200056

Columbia Analytical Services INC.
An Employee - Owned Company

L2301140

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 5.28.03 PAGE 1 OF 1

PROJECT NAME WRB # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Bec K

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL	DISS			REMARKS
AVB115-0100-01122	5.27	14.10	458-001	AQ	HCl/HNO_3	5		X											X	X			
AVB115-0104-1000	5.27	15.00	002	AQ	HCl/HNO_3	5		X											X	X			
AVB122-0100-01144	5.28	7.30	003	"	"	5		X											X	X			
AVB120-0100-01130	5.28	9.05	004	"	"	5		X											X	X			
AVB121-0100-01122	5.28	10.45	005	"	"	5		X											X	X			
AVB121-0104-1000	5.28	11.20	006	"	"	5		X											X	X			
~~AVB121-0102-1000~~	5.28	—	007	"	"	~~5~~ TB	(X)	X															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X23-00458

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Bec K	5.28.03 12:30	Leslie May	CAS	5.28.03 1230
Leslie May	CAS	5/28/03 1600	Fedex		
Fedex				CAS	

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

000057

SAMPLE RECEIPT FORM

Service Request No: L2301140 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 5 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Appropriate Preservation? Yes ✓ No____

RUSH Turn around time? Yes ____ Notified ____Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -6 = 1-500ml Pl(NP)A
1-500ml Pl(HNO3)B

Comments Filter & preserve diss metals bottle in lab. CALLED BARBARA 5/29/03 0940

000058

Initials, Date, Time LK 5/29/03 0900

5/29/03

r:\sr_forms\cooler.doc Rev. 2/25/02

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 5.28.03 PAGE 1 OF 1

PROJECT NAME WR3 # 03103154
PROJECT MANAGER Chuck Gordon
COMPANY/ADDRESS Beck
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL	DISS			REMARKS
AVB15-0100-01122	5.27	14.10	458-001	AQ	HCl/HNO_3	5		X											X	X			
AVB15-0104-1000	5.27	15.00	002	AQ	HCl/HNO_3	5		X											X	X			
AVB22-0100-01144	5.28	7.30	003	"	"	5		X											X	X			
AVB20-0100-01130	5.28	9.05	004	"	"	5		X											X	X			
AVB21-0100-01122	5.28	10.45	005	"	"	5		X											X	X			
AVB21-0104-1000	5.28	11.20	006	"	"	5		X											X	X			
AVB21-0102-1000	5.28	—	007	"	"	5		X															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X23-00458

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beck	5.28.03 12.30	Leslie May	CAS	5-28-03 1230
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

00458

X230 0458

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE&K Project Name: WUB

Sample(s) Received on: 5-28-03 date 1230 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH / STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐ No ☑
3. Are the signature and date correct?	Yes ☑ No ☐
4. Did all containers arrive in good condition?	Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑ No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 4.7°C	

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

Columbia Analytical Services INC.
An Employee-Owned Company

June 16, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: ADEQ WVBA WQARF / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on May 29, 2003. The samples were analyzed for Total Chromium and Dissolved Chromium by our Canoga Park, CA facility (L2301156). For your reference, the 8260 analyses have been assigned our service request number X2300461.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laborato.

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300461
Project:	ADEQ WVBA WQARF / #03103154	**Date Received:**	5/29/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Surrogate recovery of Dibromofluoromethane and 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for sample AVB108-0102-1000 (X2300461-006), but within method acceptance limits.

Matrix spike (XWG0300706-1 and XWG0300706-2) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300706-1 and XWG0300706-2) recovery of Bromoform, Method 8260B, was low. The method control sample recovery was acceptable.

Approved by JMD **Date** 6-16-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154

Service Request: X2300461

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB117-0100-01135	X2300461-001	05/29/2003	05/29/2003
AVB116-0100-01126	X2300461-002	05/29/2003	05/29/2003
AVB116-0101-01126	X2300461-003	05/29/2003	05/29/2003
AVB108-0100-01141	X2300461-004	05/29/2003	05/29/2003
AVB108-0104-1000	X2300461-005	05/29/2003	05/29/2003
AVB108-0102-1000	X2300461-006	05/29/2003	05/29/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton
Name: Tracy Dutton
Date: 6-16-03
Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB117-0100-01135
Lab Code: X2300461-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	**3.0**		1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	**0.86**		0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB117-0100-01135
Lab Code: X2300461-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	**3.7**		0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB117-0100-01135
Lab Code: X2300461-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	06/06/03	
Toluene-d8	120	68-126	06/06/03	
4-Bromofluorobenzene	110	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0100-01126
Lab Code: X2300461-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	**1.4**		1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	**1.8**		1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	**28**		1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	**14**		0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	**15**		0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	**1.9**		1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	**78**		0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0100-01126
Lab Code: X2300461-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	**4.2**		0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0100-01126
Lab Code: X2300461-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	110	84-113	06/06/03	
Toluene-d8	120	68-126	06/06/03	
4-Bromofluorobenzene	107	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0101-01126
Lab Code: X2300461-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	**1.4**		1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	**1.7**		1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	**28**		1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	**14**		0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	**14**		0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	**1.9**		1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	77		0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

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Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0101-01126
Lab Code: X2300461-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	**4.2**		0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB116-0101-01126
Lab Code: X2300461-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	06/06/03	
Toluene-d8	119	68-126	06/06/03	
4-Bromofluorobenzene	108	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0100-01141
Lab Code: X2300461-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	**1.3**		1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	**1.7**		1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	**2.1**		1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	**5.1**		1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	**7.2**		0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0100-01141
Lab Code: X2300461-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	**18**		0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0100-01141
Lab Code: X2300461-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	06/06/03	
Toluene-d8	118	68-126	06/06/03	
4-Bromofluorobenzene	108	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0104-1000
Lab Code: X2300461-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	**25**		1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	**13**		0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0104-1000
Lab Code: X2300461-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	**2.9**		0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0104-1000
Lab Code: X2300461-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	06/06/03	
Toluene-d8	121	68-126	06/06/03	
4-Bromofluorobenzene	109	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0102-1000
Lab Code: X2300461-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	ND	U	1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0102-1000
Lab Code: X2300461-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: 05/29/2003
Date Received: 05/29/2003

Volatile Organic Compounds

Sample Name: AVB108-0102-1000
Lab Code: X2300461-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	119	84-113	06/06/03	S1
Toluene-d8	124	68-126	06/06/03	
4-Bromofluorobenzene	116	79-113	06/06/03	S1

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	ND	U	1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	06/06/03	
Toluene-d8	115	68-126	06/06/03	
4-Bromofluorobenzene	111	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB117-0100-01135	X2300461-001	109	120	110
AVB116-0100-01126	X2300461-002	110	120	107
AVB116-0101-01126	X2300461-003	108	119	108
AVB108-0100-01141	X2300461-004	106	118	108
AVB108-0104-1000	X2300461-005	109	121	109
AVB108-0102-1000	X2300461-006	119 S1	124	116 S1
Method Blank	XWG0300706-5	109	115	111
Batch QC	X2300457-001	112	119	112
Batch QCMS	XWG0300706-1	108	112	109
Batch QCDMS	XWG0300706-2	104	106	104
Lab Control Sample	XWG0300706-3	96	102	100
Duplicate Lab Control Sample	XWG0300706-4	106	107	110

Surrogate Recovery Control Limits (%)

Sur1 = Dibromofluoromethane	84-113
Sur2 = Toluene-d8	68-126
Sur3 = 4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300706-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	13.4	10.0	134	12.3	10.0	123	78-207	9	20
Chloromethane	ND	11.2	10.0	112	10.5	10.0	105	70-157	6	20
Vinyl Chloride	ND	12.2	10.0	122	11.4	10.0	114	79-174	7	20
Bromomethane	ND	8.67	10.0	87	8.46	10.0	85	44-150	2	20
Chloroethane	ND	10.4	10.0	104	9.96	10.0	100	74-150	4	20
Trichlorofluoromethane	ND	14.0	10.0	140 M1	13.0	10.0	130	80-134	8	20
1,1,2-Trichlorotrifluoroethane	ND	13.7	10.0	137 M1	12.9	10.0	129 M1	67-128	6	20
1,1-Dichloroethene	ND	13.1	10.0	131	12.0	10.0	120	71-142	8	20
Acetone	ND	37.6	40.0	94	39.7	40.0	99	1-155	5	20
Iodomethane	ND	44.1	40.0	110	42.3	40.0	106	47-120	4	20
Carbon Disulfide	ND	57.4	40.0	144 M1	54.3	40.0	136 M1	77-126	6	20
Methylene Chloride	ND	11.6	10.0	116 M1	11.1	10.0	111 M1	83-106	5	20
Methyl tert-Butyl Ether	ND	9.46	10.0	95	9.27	10.0	93	70-118	2	20
trans-1,2-Dichloroethene	ND	11.7	10.0	117 M1	10.7	10.0	107	86-115	9	20
1,1-Dichloroethane	ND	12.1	10.0	121	11.2	10.0	112	77-127	8	20
Vinyl Acetate	ND	36.4	40.0	91	35.2	40.0	88	8-187	3	20
2,2-Dichloropropane	ND	14.2	10.0	142	13.2	10.0	132	25-154	7	20
2-Butanone (MEK)	ND	42.8	40.0	107	41.2	40.0	103	90-112	4	20
cis-1,2-Dichloroethene	ND	11.4	10.0	114	10.8	10.0	108	69-118	5	20
Bromochloromethane	ND	10.2	10.0	102	9.94	10.0	99	47-136	3	20
Chloroform	19	30.8	10.0	123	29.4	10.0	109	48-143	5	20
1,1,1-Trichloroethane	ND	12.0	10.0	120	11.8	10.0	118	84-122	2	20
Carbon Tetrachloride	ND	14.4	10.0	144 M1	13.9	10.0	139 M1	79-120	4	20
1,1-Dichloropropene	ND	13.3	10.0	133 M1	12.6	10.0	126 M1	85-117	5	20
Benzene	ND	11.1	10.0	111	10.8	10.0	108	88-114	3	20
1,2-Dichloroethane	ND	10.6	10.0	106	10.2	10.0	102	75-112	4	20
Trichloroethene	ND	11.6	10.0	116 M1	11.4	10.0	114	76-115	2	20
1,2-Dichloropropane	ND	9.64	10.0	96	9.30	10.0	93	85-107	4	20
Dibromomethane	ND	10.2	10.0	102	10.1	10.0	101	82-106	1	20
Bromodichloromethane	ND	9.57	10.0	96	9.32	10.0	93	83-107	3	20
cis-1,3-Dichloropropene	ND	9.85	10.0	99	9.58	10.0	96	70-114	3	20
4-Methyl-2-pentanone (MIBK)	ND	38.1	40.0	95	36.4	40.0	91	54-129	4	20
Toluene	ND	11.4	10.0	114	10.9	10.0	109	86-114	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300706-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.71	10.0	97	9.54	10.0	95	73-112	2	20
1,1,2-Trichloroethane	ND	9.36	10.0	94	9.21	10.0	92	79-112	2	20
Tetrachloroethene	ND	12.1	10.0	121	11.5	10.0	115	78-130	5	20
2-Hexanone	ND	32.3	40.0	81	31.7	40.0	79	77-112	2	20
1,3-Dichloropropane	ND	9.67	10.0	97	9.20	10.0	92	45-133	5	20
Dibromochloromethane	ND	9.27	10.0	93	8.73	10.0	87	74-108	6	20
1,2-Dibromoethane	ND	9.63	10.0	96	9.15	10.0	92	73-113	5	20
Chlorobenzene	ND	10.8	10.0	108	10.2	10.0	102	84-111	5	20
1,1,1,2-Tetrachloroethane	ND	10.2	10.0	102	9.83	10.0	98	84-119	3	20
Ethylbenzene	ND	11.9	10.0	119	11.3	10.0	113	47-136	5	20
m,p-Xylenes	ND	24.1	20.0	121 M1	23.2	20.0	116	84-120	4	20
o-Xylene	ND	11.1	10.0	111	11.0	10.0	110	47-143	1	20
Styrene	ND	11.4	10.0	114	10.9	10.0	109	72-121	5	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.7	10.0	117 M1	63-108	6	20
Bromobenzene	ND	11.0	10.0	110	10.4	10.0	104	80-113	6	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.86	10.0	99	78-119	4	20
n-Propylbenzene	ND	12.9	10.0	129 M1	12.0	10.0	120 M1	76-117	7	20
2-Chlorotoluene	ND	11.9	10.0	119	11.3	10.0	113	79-121	5	20
4-Chlorotoluene	ND	11.6	10.0	116	10.8	10.0	108	70-133	6	20
1,3,5-Trimethylbenzene	ND	12.5	10.0	125 M1	11.6	10.0	116	79-118	7	20
tert-Butylbenzene	ND	12.4	10.0	124 M1	11.6	10.0	116	77-120	7	20
1,2,4-Trimethylbenzene	ND	12.3	10.0	123	11.4	10.0	114	68-127	7	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.1	10.0	121	78-123	7	20
1,3-Dichlorobenzene	ND	11.3	10.0	113	10.4	10.0	104	78-127	8	20
4-Isopropyltoluene	ND	13.1	10.0	131	12.1	10.0	121	79-142	8	20
Bromoform	ND	8.07	10.0	81 M2	7.98	10.0	80 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	9.02	10.0	90	9.10	10.0	91	66-133	1	20
1,4-Dichlorobenzene	ND	10.5	10.0	105	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	64-109	2	20
n-Butylbenzene	ND	12.3	10.0	123 M1	11.8	10.0	118	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	9.46	10.0	95	8.88	10.0	89	54-160	6	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	39-145	1	20
Hexachlorobutadiene	ND	12.2	10.0	122 M1	11.9	10.0	119 M1	74-113	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike Result	Matrix Spike Expected	Matrix Spike %Rec	Batch QCDMS XWG0300706-2 Duplicate Matrix Spike Result	Duplicate Matrix Spike Expected	Duplicate Matrix Spike %Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND	10.4	10.0	104	10.5	10.0	105	44-167	1	20
1,2,3-Trichlorobenzene	ND	10.5	10.0	105	10.5	10.0	105	37-158	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300706

	Lab Control Sample XWG0300706-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300706-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.56	10.0	96	11.3	10.0	113	1-233	17	20
Chloromethane	8.76	10.0	88	9.47	10.0	95	46-156	8	20
Vinyl Chloride	9.26	10.0	93	10.2	10.0	102	51-158	10	20
Bromomethane	8.05	10.0	81	8.08	10.0	81	37-149	0	20
Chloroethane	10.6	10.0	106	9.22	10.0	92	56-146	14	20
Trichlorofluoromethane	10.2	10.0	102	11.4	10.0	114	69-139	12	20
1,1,2-Trichlorotrifluoroethane	10.1	10.0	101	11.4	10.0	114	83-130	12	20
1,1-Dichloroethene	9.75	10.0	98	10.7	10.0	107	65-112	9	20
Acetone	36.0	40.0	90	38.6	40.0	96	68-128	7	20
Iodomethane	37.1	40.0	93	38.3	40.0	96	68-144	3	20
Carbon Disulfide	43.1	40.0	108	46.7	40.0	117	67-140	8	20
Methylene Chloride	10.2	10.0	102	10.9	10.0	109	70-113	7	20
Methyl tert-Butyl Ether	8.66	10.0	87	8.98	10.0	90	75-115	4	20
trans-1,2-Dichloroethene	9.34	10.0	93	9.67	10.0	97	73-118	3	20
1,1-Dichloroethane	9.65	10.0	97	10.4	10.0	104	77-127	7	20
Vinyl Acetate	28.8	40.0	72	30.7	40.0	77	51-202	6	39
2,2-Dichloropropane	10.2	10.0	102	11.4	10.0	114	75-132	12	20
2-Butanone (MEK)	32.8	40.0	82	35.5	40.0	89	72-122	8	20
cis-1,2-Dichloroethene	9.76	10.0	98	9.89	10.0	99	81-118	1	20
Bromochloromethane	8.68	10.0	87	9.31	10.0	93	82-114	7	20
Chloroform	9.47	10.0	95	9.68	10.0	97	78-119	2	20
1,1,1-Trichloroethane	9.29	10.0	93	10.0	10.0	100	71-125	8	20
Carbon Tetrachloride	11.0	10.0	110	11.6	10.0	116	69-130	5	20
1,1-Dichloropropene	10.0	10.0	100	10.6	10.0	106	77-114	6	20
Benzene	9.55	10.0	96	9.70	10.0	97	81-117	2	20
1,2-Dichloroethane	9.63	10.0	96	9.81	10.0	98	67-122	2	20
Trichloroethene	9.87	10.0	99	10.3	10.0	103	79-114	4	20
1,2-Dichloropropane	8.75	10.0	88	8.88	10.0	89	78-114	1	20
Dibromomethane	9.39	10.0	94	9.77	10.0	98	78-113	4	20
Bromodichloromethane	8.81	10.0	88	9.08	10.0	91	79-122	3	20
cis-1,3-Dichloropropene	9.39	10.0	94	9.54	10.0	95	82-118	2	20
4-Methyl-2-pentanone (MIBK)	37.8	40.0	94	35.3	40.0	88	75-115	7	20
Toluene	9.96	10.0	100	9.94	10.0	99	85-118	0	20
trans-1,3-Dichloropropene	9.38	10.0	94	9.36	10.0	94	79-121	0	20
1,1,2-Trichloroethane	8.86	10.0	89	9.34	10.0	93	79-116	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: ADEQ WVBA WQARF/#03103154
Sample Matrix: Water

Service Request: X2300461
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300706

Analyte Name	Lab Control Sample XWG0300706-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300706-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	9.92	10.0	99	10.4	10.0	104	76-127	5	20
2-Hexanone	30.5	40.0	76	31.7	40.0	79	65-120	4	20
1,3-Dichloropropane	9.30	10.0	93	9.38	10.0	94	81-116	1	20
Dibromochloromethane	8.55	10.0	86	9.02	10.0	90	77-119	5	20
1,2-Dibromoethane	9.23	10.0	92	9.35	10.0	94	79-116	1	20
Chlorobenzene	9.72	10.0	97	9.81	10.0	98	84-114	1	20
1,1,1,2-Tetrachloroethane	9.15	10.0	92	9.42	10.0	94	78-118	3	20
Ethylbenzene	10.1	10.0	101	10.4	10.0	104	79-124	3	20
m,p-Xylenes	20.5	20.0	102	21.2	20.0	106	75-131	3	20
o-Xylene	9.76	10.0	98	10.2	10.0	102	78-122	4	20
Styrene	10.3	10.0	103	10.5	10.0	105	80-126	2	20
Isopropylbenzene	10.1	10.0	101	10.7	10.0	107	75-126	6	20
Bromobenzene	9.61	10.0	96	10.1	10.0	101	82-122	5	20
1,2,3-Trichloropropane	9.00	10.0	90	9.84	10.0	98	77-118	9	20
n-Propylbenzene	10.2	10.0	102	11.1	10.0	111	75-129	8	20
2-Chlorotoluene	10.2	10.0	102	10.7	10.0	107	77-126	5	20
4-Chlorotoluene	10.0	10.0	100	10.4	10.0	104	82-120	4	20
1,3,5-Trimethylbenzene	10.2	10.0	102	11.0	10.0	110	75-130	7	20
tert-Butylbenzene	9.88	10.0	99	10.7	10.0	107	73-130	8	20
1,2,4-Trimethylbenzene	10.1	10.0	101	10.8	10.0	108	60-137	6	20
sec-Butylbenzene	9.91	10.0	99	10.9	10.0	109	68-131	10	20
1,3-Dichlorobenzene	9.40	10.0	94	10.2	10.0	102	71-137	8	20
4-Isopropyltoluene	10.2	10.0	102	11.1	10.0	111	68-134	8	20
Bromoform	7.70	10.0	77	7.91	10.0	79	70-118	3	20
1,1,2,2-Tetrachloroethane	8.75	10.0	88	8.54	10.0	85	72-122	2	20
1,4-Dichlorobenzene	9.66	10.0	97	9.75	10.0	98	82-114	1	20
1,2-Dichlorobenzene	9.33	10.0	93	9.48	10.0	95	81-118	2	20
n-Butylbenzene	9.96	10.0	100	10.4	10.0	104	71-125	4	20
1,2-Dibromo-3-chloropropane	8.75	10.0	88	8.69	10.0	87	55-131	1	20
1,2,4-Trichlorobenzene	8.66	10.0	87	9.18	10.0	92	75-123	6	20
Hexachlorobutadiene	9.27	10.0	93	9.79	10.0	98	63-140	5	20
Naphthalene	8.74	10.0	87	9.38	10.0	94	67-125	7	20
1,2,3-Trichlorobenzene	8.73	10.0	87	9.35	10.0	94	72-124	7	20

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6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

June 11, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: ADEQ WVBA WQARF/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on May 29, 2003. For your reference, these analyses have been assigned our service request number L2301156.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

0036

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154

Service Request : L2301156

Sample Name :	Lab Code :
AVB117-0100-01135	L2301156-001
AVB116-0100-01126	L2301156-002
AVB116-0101-01126	L2301156-003
AVB108-0100-01141	L2301156-004
AVB108-0104-1000	L2301156-005
Laboratory Control Sample	L2301156-LCS
Method Blank	L2301156-MB
Batch QC	L2301158-001S
Batch QC	L2301158-001SD

Approved By: Joe Anderson Date: 6/11/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Total Metals

Sample Name : AVB117-0100-01135
Lab Code : L2301156-001

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

038

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301156
Project Name :	ADEQ WVBA WQARF	**Date Collected :**	05/29/03
Project No. :	03103154	**Date Received :**	05/29/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB117-0100-01135	**Units :**	ug/L (ppb)
Lab Code :	L2301156-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

0139

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Total Metals

Sample Name : AVB116-0100-01126
Lab Code : L2301156-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

040

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301156
Project Name :	ADEQ WVBA WQARF	**Date Collected :**	05/29/03
Project No. :	03103154	**Date Received :**	05/29/03
Matrix :	Water	**Date Extracted :**	06/04/03

Dissolved Metals

Sample Name :	AVB116-0100-01126	**Units :**	ug/L (ppb)
Lab Code :	L2301156-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

041

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Total Metals

Sample Name : AVB116-0101-01126
Lab Code : L2301156-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Dissolved Metals

Sample Name : AVB116-0101-01126
Lab Code : L2301156-003

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301156
Project Name :	ADEQ WVBA WQARF	**Date Collected :**	05/29/03
Project No. :	03103154	**Date Received :**	05/29/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB108-0100-01141	**Units :**	ug/L (ppb)
Lab Code :	L2301156-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	52	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Dissolved Metals

Sample Name : AVB108-0100-01141
Lab Code : L2301156-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301156
Project Name :	ADEQ WVBA WQARF	**Date Collected :**	05/29/03
Project No. :	03103154	**Date Received :**	05/29/03
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	AVB108-0104-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301156-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : 05/29/03
Date Received : 05/29/03
Date Extracted : 06/04/03

Dissolved Metals

Sample Name : AVB108-0104-1000
Lab Code : L2301156-005

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301156
Project Name :	ADEQ WVBA WQARF	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/04/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2301156-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/10/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : NA
Date Received : NA
Date Extracted : 06/04/03
Date Analyzed : 06/10/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2301156-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	511	102	87-111	

049

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : ADEQ WVBA WQARF
Project No. : 03103154
Matrix : Water

Service Request : L2301156
Date Collected : NA
Date Received : NA
Date Extracted : 06/04/03
Date Analyzed : 06/10/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2301158-001S L2301158-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	18.2	508	508	98	98	87-105	<1	

Columbia Analytical Services INC.
An Employee - Owned Company

L2301156

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308 DATE_____ PAGE _____ OF_____

PROJECT NAME ADEQ WVBA WQARF # 07107154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BEK/TERRAEXT
PHONE/FAX
SAMPLER'S SIGNATURE D.a. Dowle

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total or 20	Diss or 20			REMARKS
AVB117-0100-01135	5-29	10:15	461-01	AQ	HCl/HNO3	5		X											X	X			
AVB116-0100-01126	5-29	12:35	02	"	"	5		X											X	X			
AVB116-0101-01126	5-29	12:35	03	"	"	5		X											X	X			
AVB108-0100-01141	5-29	15:02	04	"	"	5		X											X	X			
AVB108-0104-1000	5-29	15:35	05	"	"	5		X											X	X			
~~AVB108-0102-1000~~	~~5-29~~	~~-~~	06	"	"	~~1~~		X															
				"																			
				"																			
				"																			
				"																			

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: Fed Ex
Shipping #: _____
Condition: _____
Lab No: X2300461

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
D.a. Dowle	BE&K	5-29-03 16:17		BE2K	5-29-03 1613
	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE&K	5-29-03 1640	Leslie May	CAS	5/29/03 1640
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Leslie May	CAS	5/30/03 1600	Fedex		

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

REL: Fedex REC: [illegible] 5/31/03 0915

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L230 1156 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Appropriate Preservation? Yes ✓ No____

RUSH Turn around time? Yes ____ Notified ____ Date & Time____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time____

Container(s) received and their preservative(s):

-1 → -5 = 1-500ml Pl(NP)A
1-500ml Pl(HNO3)B

Comments Filter & preserve diss metals bottle in lab.

Initials, Date, Time LK 5/31/03 0930 18

5/31/03

r:\sr_forms\cooler.doc Rev. 2/25/02

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Columbia Analytical Services INC.
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308 DATE_____ PAGE _____ OF_____

PROJECT NAME ADEQ WVBA WQARF # 07107154
PROJECT MANAGER CHUCK GORDON
COMPANY/ADDRESS BEK/TERRAEXT
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	Total cr	Diss cr			REMARKS
AVB117-0100-0135	5-29	10:15	461-01	AQ	HCl/HNO3	5		X											X	X			
AVB116-0100-0126	5-29	12:35	02	"	"	5		X											X	X			
AVB116-0101-0126	5-29	12:35	03	"	"	5		X											X	X			
AVB108-0100-0114	5-29	15:02	04	"	"	5		X											X	X			
AVB108-0104-1000	5-29	15:35	05	"	"	5 5 3		X											X	X			
AVB108-0102-1000	5-29	—	06	"	"	B1		X															
				"																			
				"																			
				"																			
				"																			

ANALYSIS REQUESTED

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X2300461

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BEK	5-29-03 16:17		BEK	5-29-03 1613
	BEK	5-29-03 1640	Leslie May	CAS	5/29/03 1640

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0461

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE+K Project Name: ADEQ WUBA WQARF

Sample(s) Received on: 5-29-03 date 1635 time
VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☑
3. Are the signature and date correct?	Yes ☑	No ☐
4. Did all containers arrive in good condition?	Yes ☑	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 16.1°C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

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Revised: 09/27/02 4:19 PM

Columbia Analytical Services INC.
An Employee-Owned Company

June 18, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVBA / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on June 3, 2003. The samples were analyzed for Total Chromium and Dissolved Chromium by our Canoga Park, CA facility (L2301168). For your reference, the 8260 analyses have been assigned our service request number X2300467.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300467
Project:	WVBA / #03103154	**Date Received:**	6/3/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Surrogate recovery of Dibromofluoromethane and 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for sample AVB122-0202-1000 (X2300467-001), but within method acceptance limits.

The associated blank spike (XWG0300710-3 and XWG0300710-4) recovery of several analytes for Method 8260B was above laboratory acceptance limits. These compounds were not detected in the samples analyzed in this batch.

The associated blank spike (XWG0300710-3) recovery of 1,1-Dichloroethene and Trichloroethene for Method 8260B was above laboratory acceptance limits but within method acceptance limits. These compounds were recovered within acceptance limits in the DLCS and CCV analyzed with this batch of samples

Sample AVB122-0200-01245 (X2300467-002) required dilution of Trichloroethene, Method 8260B, due to high concentration of target analytes.

Surrogate recovery of 4-Bromofluorobenzene, Method 8260B, was above laboratory acceptance limits for MS (XWG0300710-1) and DMS (XWG0300710-2), but within method acceptance criteria.

Matrix spike (XWG0300706-1, XWG0300706-2, XWG0300710-1, and XWG0300710-2) recovery of several analytes for Method 8260B was high. The method control sample recovery was acceptable.

Matrix spike (XWG0300706-1, XWG0300706-2, XWG0300710-1, and XWG0300710-2) recovery of Bromoform, Method 8260B, was low. The method control sample recovery was acceptable.

MS/DMS (XWG0300710-1 and XWG0300710-2) RPD for Chloroethane, Method 8260B, exceeded the laboratory control limit. Recovery met acceptance criteria.

Approved by JMD **Date** 6-19-03

The accuracy of the spike (XWG0300710-1 and XWG0300710-2) recovery value for several analytes for Method 8260B is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

Approved by _____ **Date** 6-19-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.
L3 The associated blank spike recovery was above method acceptance limits. See case narrative.
L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.
M2 Matrix spike recovery was low, the method control sample recovery was acceptable.
M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.
M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.
M5 Analyte concentration was determined by the method of standard addition (MSA).
M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.
M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.
N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.
Q2 Sample received with head space.
Q3 Sample received with improper chemical preservation.
Q4 Sample received and analyzed without chemical preservation.
Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.
Q6 Sample was received above recommended temperature.
Q7 Sample inadequately dechlorinated.
Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.
Q9 Insufficient sample received to meet QC requirements.
Q10 Sample received in inappropriate sample container.
Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.
R2 RPD exceeded the laboratory control limit. See case narrative.
R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.
R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.
R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.
R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.
R8 Sample RPD exceeded the method control limit.
R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.
S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Client: BE&K Terranext
Project: WVBA/#0310-3154

Service Request: X2300467

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB122-0202-1000	X2300467-001	06/03/2003	06/03/2003
AVB122-0200-01245	X2300467-002	06/03/2003	06/03/2003
AVB122-0204-1000	X2300467-003	06/03/2003	06/03/2003
AVB120-0200-01245	X2300467-004	06/03/2003	06/03/2003
AVB119-0100-01140	X2300467-005	06/03/2003	06/03/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 6-19-03

Title: Lab Manager

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0202-1000
Lab Code: X2300467-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	ND	U	1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0202-1000
Lab Code: X2300467-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0202-1000
Lab Code: X2300467-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	123	84-113	06/06/03	S1
Toluene-d8	123	68-126	06/06/03	
4-Bromofluorobenzene	118	79-113	06/06/03	S1

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0200-01245
Lab Code: X2300467-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	**5.3**		3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	**1.3**		1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	**11**		1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	**1.0**		1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	**0.77**		0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	**2.4**		1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	**160**	D	5.0	10	06/06/03	06/09/03	D2L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	**0.54**		0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0200-01245
Lab Code: X2300467-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	**30**		0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0200-01245
Lab Code: X2300467-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	113	84-113	06/09/03	
Toluene-d8	122	68-126	06/09/03	
4-Bromofluorobenzene	111	79-113	06/09/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0204-1000
Lab Code: X2300467-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	ND	U	1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0204-1000
Lab Code: X2300467-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB122-0204-1000
Lab Code: X2300467-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	106	84-113	06/06/03	
Toluene-d8	122	68-126	06/06/03	
4-Bromofluorobenzene	106	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB120-0200-01245
Lab Code: X2300467-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/07/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/07/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/07/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/07/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/07/03	
Trichlorofluoromethane	**1.4**		1.0	1	06/06/03	06/07/03	
1,1,2-Trichlorotrifluoroethane	**2.0**		1.0	1	06/06/03	06/07/03	
1,1-Dichloroethene	**1.4**		1.0	1	06/06/03	06/07/03	
Acetone	ND	U	10	1	06/06/03	06/07/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/07/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/07/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/07/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/07/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/07/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/07/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/07/03	
Chloroform	**19**		1.0	1	06/06/03	06/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/07/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/07/03	
Benzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Trichloroethene	**3.1**		0.50	1	06/06/03	06/07/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/07/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/07/03	
Bromodichloromethane	**11**		0.50	1	06/06/03	06/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/07/03	
Toluene	**7.2**		0.50	1	06/06/03	06/07/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB120-0200-01245
Lab Code: X2300467-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/07/03	
Tetrachloroethene	**6.1**		0.50	1	06/06/03	06/07/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/07/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/07/03	
Dibromochloromethane	**6.4**		0.50	1	06/06/03	06/07/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/07/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/07/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/07/03	
Styrene	ND	U	0.50	1	06/06/03	06/07/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/07/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/07/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/07/03	
Bromoform	**1.2**		0.50	1	06/06/03	06/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/07/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB120-0200-01245
Lab Code: X2300467-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	06/07/03	
Toluene-d8	118	68-126	06/07/03	
4-Bromofluorobenzene	107	79-113	06/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB119-0100-01140
Lab Code: X2300467-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/07/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/07/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/07/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/07/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/07/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/07/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/07/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/07/03	
Acetone	ND	U	10	1	06/06/03	06/07/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/07/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/07/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/07/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/07/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/07/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/07/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/07/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/07/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/07/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/07/03	
Chloroform	ND	U	1.0	1	06/06/03	06/07/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/07/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/07/03	
Benzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/07/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/07/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/07/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/07/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/07/03	
Toluene	ND	U	0.50	1	06/06/03	06/07/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB119-0100-01140
Lab Code: X2300467-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/07/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/07/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/07/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/07/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/07/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/07/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/07/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/07/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/07/03	
Styrene	ND	U	0.50	1	06/06/03	06/07/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/07/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/07/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/07/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/07/03	
Bromoform	ND	U	0.50	1	06/06/03	06/07/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/07/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/07/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/07/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: 06/03/2003
Date Received: 06/03/2003

Volatile Organic Compounds

Sample Name: AVB119-0100-01140
Lab Code: X2300467-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/07/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/07/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	06/07/03	
Toluene-d8	119	68-126	06/07/03	
4-Bromofluorobenzene	108	79-113	06/07/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/06/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/06/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/06/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/06/03	
Acetone	ND	U	10	1	06/06/03	06/06/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/06/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/06/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/06/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/06/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/06/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/06/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/06/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
Chloroform	ND	U	1.0	1	06/06/03	06/06/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/06/03	
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
Benzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/06/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/06/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/06/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/06/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/06/03	
Toluene	ND	U	0.50	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/06/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/06/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/06/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/06/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/06/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/06/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/06/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/06/03	
Styrene	ND	U	0.50	1	06/06/03	06/06/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/06/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/06/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/06/03	
Bromoform	ND	U	0.50	1	06/06/03	06/06/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/06/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/06/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/06/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/06/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300706-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/06/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/06/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	109	84-113	06/06/03	
Toluene-d8	115	68-126	06/06/03	
4-Bromofluorobenzene	111	79-113	06/06/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	06/06/03	06/09/03	
Chloromethane	ND	U	2.0	1	06/06/03	06/09/03	
Vinyl Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Bromomethane	ND	U	1.0	1	06/06/03	06/09/03	
Chloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Trichlorofluoromethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,1-Dichloroethene	ND	U	1.0	1	06/06/03	06/09/03	L1
Acetone	ND	U	10	1	06/06/03	06/09/03	
Iodomethane	ND	U	2.0	1	06/06/03	06/09/03	
Carbon Disulfide	ND	U	2.0	1	06/06/03	06/09/03	
Methylene Chloride	ND	U	1.0	1	06/06/03	06/09/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	06/06/03	06/09/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
1,1-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Vinyl Acetate	ND	U	3.0	1	06/06/03	06/09/03	
2,2-Dichloropropane	ND	U	2.0	1	06/06/03	06/09/03	
2-Butanone (MEK)	ND	U	8.0	1	06/06/03	06/09/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	06/06/03	06/09/03	
Bromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
Chloroform	ND	U	1.0	1	06/06/03	06/09/03	
1,1,1-Trichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Carbon Tetrachloride	ND	U	0.50	1	06/06/03	06/09/03	L1
1,1-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	L1
Benzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Trichloroethene	ND	U	0.50	1	06/06/03	06/09/03	L1
1,2-Dichloropropane	ND	U	0.50	1	06/06/03	06/09/03	
Dibromomethane	ND	U	0.50	1	06/06/03	06/09/03	
Bromodichloromethane	ND	U	0.50	1	06/06/03	06/09/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	06/06/03	06/09/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	06/06/03	06/09/03	
Toluene	ND	U	0.50	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	06/06/03	06/09/03	
1,1,2-Trichloroethane	ND	U	1.0	1	06/06/03	06/09/03	
Tetrachloroethene	ND	U	0.50	1	06/06/03	06/09/03	
2-Hexanone	ND	U	5.0	1	06/06/03	06/09/03	
1,3-Dichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
Dibromochloromethane	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromoethane	ND	U	0.50	1	06/06/03	06/09/03	
Chlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	06/06/03	06/09/03	
Ethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
m,p-Xylenes	ND	U	1.0	1	06/06/03	06/09/03	
o-Xylene	ND	U	0.50	1	06/06/03	06/09/03	
Styrene	ND	U	0.50	1	06/06/03	06/09/03	
Isopropylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
Bromobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,3-Trichloropropane	ND	U	1.0	1	06/06/03	06/09/03	
n-Propylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
2-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
4-Chlorotoluene	ND	U	0.50	1	06/06/03	06/09/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
tert-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
sec-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,3-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
4-Isopropyltoluene	ND	U	0.50	1	06/06/03	06/09/03	
Bromoform	ND	U	0.50	1	06/06/03	06/09/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	06/06/03	06/09/03	
1,4-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
n-Butylbenzene	ND	U	0.50	1	06/06/03	06/09/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	06/06/03	06/09/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	
Hexachlorobutadiene	ND	U	1.0	1	06/06/03	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300710-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	06/06/03	06/09/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	06/06/03	06/09/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	108	84-113	06/09/03	
Toluene-d8	117	68-126	06/09/03	
4-Bromofluorobenzene	111	79-113	06/09/03	

Comments:

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB122-0202-1000	X2300467-001	123 S1	123	118 S1
AVB122-0200-01245	X2300467-002	113	122	111
AVB122-0204-1000	X2300467-003	106	122	106
AVB120-0200-01245	X2300467-004	107	118	107
AVB119-0100-01140	X2300467-005	107	119	108
Method Blank	XWG0300706-5	109	115	111
Method Blank	XWG0300710-5	108	117	111
Batch QC	X2300457-001	112	119	112
Batch QC	X2300458-001	109	117	110
Batch QCMS	XWG0300706-1	108	112	109
Batch QCDMS	XWG0300706-2	104	106	104
Batch QCMS	XWG0300710-1	112	121	116 S1
Batch QCDMS	XWG0300710-2	112	120	114 S1
Lab Control Sample	XWG0300706-3	96	102	100
Duplicate Lab Control Sample	XWG0300706-4	106	107	110
Lab Control Sample	XWG0300710-3	105	114	111
Duplicate Lab Control Sample	XWG0300710-4	107	116	112

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300706-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	13.4	10.0	134	12.3	10.0	123	78-207	9	20
Chloromethane	ND	11.2	10.0	112	10.5	10.0	105	70-157	6	20
Vinyl Chloride	ND	12.2	10.0	122	11.4	10.0	114	79-174	7	20
Bromomethane	ND	8.67	10.0	87	8.46	10.0	85	44-150	2	20
Chloroethane	ND	10.4	10.0	104	9.96	10.0	100	74-150	4	20
Trichlorofluoromethane	ND	14.0	10.0	140 M1	13.0	10.0	130	80-134	8	20
1,1,2-Trichlorotrifluoroethane	ND	13.7	10.0	137 M1	12.9	10.0	129 M1	67-128	6	20
1,1-Dichloroethene	ND	13.1	10.0	131	12.0	10.0	120	71-142	8	20
Acetone	ND	37.6	40.0	94	39.7	40.0	99	1-155	5	20
Iodomethane	ND	44.1	40.0	110	42.3	40.0	106	47-120	4	20
Carbon Disulfide	ND	57.4	40.0	144 M1	54.3	40.0	136 M1	77-126	6	20
Methylene Chloride	ND	11.6	10.0	116 M1	11.1	10.0	111 M1	83-106	5	20
Methyl tert-Butyl Ether	ND	9.46	10.0	95	9.27	10.0	93	70-118	2	20
trans-1,2-Dichloroethene	ND	11.7	10.0	117 M1	10.7	10.0	107	86-115	9	20
1,1-Dichloroethane	ND	12.1	10.0	121	11.2	10.0	112	77-127	8	20
Vinyl Acetate	ND	36.4	40.0	91	35.2	40.0	88	8-187	3	20
2,2-Dichloropropane	ND	14.2	10.0	142	13.2	10.0	132	25-154	7	20
2-Butanone (MEK)	ND	42.8	40.0	107	41.2	40.0	103	90-112	4	20
cis-1,2-Dichloroethene	ND	11.4	10.0	114	10.8	10.0	108	69-118	5	20
Bromochloromethane	ND	10.2	10.0	102	9.94	10.0	99	47-136	3	20
Chloroform	19	30.8	10.0	123	29.4	10.0	109	48-143	5	20
1,1,1-Trichloroethane	ND	12.0	10.0	120	11.8	10.0	118	84-122	2	20
Carbon Tetrachloride	ND	14.4	10.0	144 M1	13.9	10.0	139 M1	79-120	4	20
1,1-Dichloropropene	ND	13.3	10.0	133 M1	12.6	10.0	126 M1	85-117	5	20
Benzene	ND	11.1	10.0	111	10.8	10.0	108	88-114	3	20
1,2-Dichloroethane	ND	10.6	10.0	106	10.2	10.0	102	75-112	4	20
Trichloroethene	ND	11.6	10.0	116 M1	11.4	10.0	114	76-115	2	20
1,2-Dichloropropane	ND	9.64	10.0	96	9.30	10.0	93	85-107	4	20
Dibromomethane	ND	10.2	10.0	102	10.1	10.0	101	82-106	1	20
Bromodichloromethane	ND	9.57	10.0	96	9.32	10.0	93	83-107	3	20
cis-1,3-Dichloropropene	ND	9.85	10.0	99	9.58	10.0	96	70-114	3	20
4-Methyl-2-pentanone (MIBK)	ND	38.1	40.0	95	36.4	40.0	91	54-129	4	20
Toluene	ND	11.4	10.0	114	10.9	10.0	109	86-114	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300706-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.71	10.0	97	9.54	10.0	95	73-112	2	20
1,1,2-Trichloroethane	ND	9.36	10.0	94	9.21	10.0	92	79-112	2	20
Tetrachloroethene	ND	12.1	10.0	121	11.5	10.0	115	78-130	5	20
2-Hexanone	ND	32.3	40.0	81	31.7	40.0	79	77-112	2	20
1,3-Dichloropropane	ND	9.67	10.0	97	9.20	10.0	92	45-133	5	20
Dibromochloromethane	ND	9.27	10.0	93	8.73	10.0	87	74-108	6	20
1,2-Dibromoethane	ND	9.63	10.0	96	9.15	10.0	92	73-113	5	20
Chlorobenzene	ND	10.8	10.0	108	10.2	10.0	102	84-111	5	20
1,1,1,2-Tetrachloroethane	ND	10.2	10.0	102	9.83	10.0	98	84-119	3	20
Ethylbenzene	ND	11.9	10.0	119	11.3	10.0	113	47-136	5	20
m,p-Xylenes	ND	24.1	20.0	121 M1	23.2	20.0	116	84-120	4	20
o-Xylene	ND	11.1	10.0	111	11.0	10.0	110	47-143	1	20
Styrene	ND	11.4	10.0	114	10.9	10.0	109	72-121	5	20
Isopropylbenzene	ND	12.4	10.0	124 M1	11.7	10.0	117 M1	63-108	6	20
Bromobenzene	ND	11.0	10.0	110	10.4	10.0	104	80-113	6	20
1,2,3-Trichloropropane	ND	10.2	10.0	102	9.86	10.0	99	78-119	4	20
n-Propylbenzene	ND	12.9	10.0	129 M1	12.0	10.0	120 M1	76-117	7	20
2-Chlorotoluene	ND	11.9	10.0	119	11.3	10.0	113	79-121	5	20
4-Chlorotoluene	ND	11.6	10.0	116	10.8	10.0	108	70-133	6	20
1,3,5-Trimethylbenzene	ND	12.5	10.0	125 M1	11.6	10.0	116	79-118	7	20
tert-Butylbenzene	ND	12.4	10.0	124 M1	11.6	10.0	116	77-120	7	20
1,2,4-Trimethylbenzene	ND	12.3	10.0	123	11.4	10.0	114	68-127	7	20
sec-Butylbenzene	ND	12.9	10.0	129 M1	12.1	10.0	121	78-123	7	20
1,3-Dichlorobenzene	ND	11.3	10.0	113	10.4	10.0	104	78-127	8	20
4-Isopropyltoluene	ND	13.1	10.0	131	12.1	10.0	121	79-142	8	20
Bromoform	ND	8.07	10.0	81 M2	7.98	10.0	80 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	9.02	10.0	90	9.10	10.0	91	66-133	1	20
1,4-Dichlorobenzene	ND	10.5	10.0	105	10.2	10.0	102	48-139	3	20
1,2-Dichlorobenzene	ND	10.3	10.0	103	10.1	10.0	101	64-109	2	20
n-Butylbenzene	ND	12.3	10.0	123 M1	11.8	10.0	118	69-122	4	20
1,2-Dibromo-3-chloropropane	ND	9.46	10.0	95	8.88	10.0	89	54-160	6	20
1,2,4-Trichlorobenzene	ND	10.2	10.0	102	10.1	10.0	101	39-145	1	20
Hexachlorobutadiene	ND	12.2	10.0	122 M1	11.9	10.0	119 M1	74-113	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300457-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300706

Analyte Name	Sample Result	Batch QCMS XWG0300706-1 Matrix Spike			Batch QCDMS XWG0300706-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	10.4	10.0	104	10.5	10.0	105	44-167	1	20
1,2,3-Trichlorobenzene	ND	10.5	10.0	105	10.5	10.0	105	37-158	0	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	Batch QCMS XWG0300710-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300710-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	12.8	10.0	128	12.0	10.0	120	78-207	6	20
Chloromethane	ND	11.0	10.0	110	10.4	10.0	104	70-157	6	20
Vinyl Chloride	ND	11.9	10.0	119	11.3	10.0	113	79-174	6	20
Bromomethane	ND	8.41	10.0	84	7.99	10.0	80	44-150	5	20
Chloroethane	ND	12.3	10.0	123	9.50	10.0	95	74-150	25 R5	20
Trichlorofluoromethane	17	18.4	10.0	19 M3	17.6	10.0	11 M3	80-134	4	20
1,1,2-Trichlorotrifluoroethane	16	14.7	10.0	-8 M3	14.1	10.0	-14 M3	67-128	4	20
1,1-Dichloroethene	ND	18.3	10.0	183 M1	16.9	10.0	169 M1	71-142	8	20
Acetone	ND	37.1	40.0	93	36.2	40.0	91	1-155	2	20
Iodomethane	ND	40.0	40.0	100	39.6	40.0	99	47-120	1	20
Carbon Disulfide	ND	55.8	40.0	139 M1	53.2	40.0	133 M1	77-126	5	20
Methylene Chloride	ND	11.1	10.0	111 M1	10.5	10.0	105	83-106	5	20
Methyl tert-Butyl Ether	ND	9.20	10.0	92	9.22	10.0	92	70-118	0	20
trans-1,2-Dichloroethene	ND	11.3	10.0	113	11.1	10.0	111	86-115	2	20
1,1-Dichloroethane	ND	14.2	10.0	142 M1	13.9	10.0	139 M1	77-127	2	20
Vinyl Acetate	ND	33.0	40.0	82	34.6	40.0	87	8-187	5	20
2,2-Dichloropropane	ND	13.2	10.0	132	12.9	10.0	129	25-154	2	20
2-Butanone (MEK)	ND	44.8	40.0	112	46.0	40.0	115 M1	90-112	2	20
cis-1,2-Dichloroethene	38	52.0	10.0	140 M3	50.9	10.0	129 M3	69-118	2	20
Bromochloromethane	ND	9.37	10.0	94	9.10	10.0	91	47-136	3	20
Chloroform	ND	12.7	10.0	127	12.5	10.0	125	48-143	2	20
1,1,1-Trichloroethane	ND	11.6	10.0	116	11.4	10.0	114	84-122	2	20
Carbon Tetrachloride	ND	14.1	10.0	141 M1	13.7	10.0	137 M1	79-120	3	20
1,1-Dichloropropene	ND	13.0	10.0	130 M1	12.8	10.0	128 M1	85-117	2	20
Benzene	ND	11.2	10.0	112	11.0	10.0	110	88-114	2	20
1,2-Dichloroethane	ND	10.2	10.0	102	10.2	10.0	102	75-112	0	20
Trichloroethene	210	230E	10.0	241 M3	231E	10.0	250 M3	76-115	0	20
1,2-Dichloropropane	ND	9.51	10.0	95	9.89	10.0	99	85-107	4	20
Dibromomethane	ND	9.56	10.0	96	9.88	10.0	99	82-106	3	20
Bromodichloromethane	ND	9.50	10.0	95	9.57	10.0	96	83-107	1	20
cis-1,3-Dichloropropene	ND	9.97	10.0	100	9.90	10.0	99	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	36.5	40.0	91	38.9	40.0	97	54-129	6	20
Toluene	ND	11.4	10.0	114	11.2	10.0	112	86-114	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	Batch QCMS XWG0300710-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300710-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.47	10.0	95	9.54	10.0	95	73-112	1	20
1,1,2-Trichloroethane	ND	9.14	10.0	91	9.32	10.0	93	79-112	2	20
Tetrachloroethene	9.2	22.8	10.0	136 M3	22.5	10.0	133 M3	78-130	1	20
2-Hexanone	ND	31.0	40.0	78	31.7	40.0	79	77-112	2	20
1,3-Dichloropropane	ND	9.50	10.0	95	9.49	10.0	95	45-133	0	20
Dibromochloromethane	ND	8.89	10.0	89	9.06	10.0	91	74-108	2	20
1,2-Dibromoethane	ND	9.10	10.0	91	9.38	10.0	94	73-113	3	20
Chlorobenzene	ND	10.9	10.0	109	10.8	10.0	108	84-111	1	20
1,1,1,2-Tetrachloroethane	ND	10.2	10.0	102	10.0	10.0	100	84-119	2	20
Ethylbenzene	ND	12.1	10.0	121	11.9	10.0	119	47-136	2	20
m,p-Xylenes	ND	23.7	20.0	119	23.6	20.0	118	84-120	1	20
o-Xylene	ND	11.4	10.0	114	11.1	10.0	111	47-143	3	20
Styrene	ND	11.3	10.0	113	11.1	10.0	111	72-121	2	20
Isopropylbenzene	ND	12.3	10.0	123 M1	12.0	10.0	120 M1	63-108	2	20
Bromobenzene	ND	10.4	10.0	104	10.1	10.0	101	80-113	3	20
1,2,3-Trichloropropane	ND	9.57	10.0	96	9.71	10.0	97	78-119	1	20
n-Propylbenzene	ND	12.7	10.0	127 M1	12.3	10.0	123 M1	76-117	3	20
2-Chlorotoluene	ND	11.7	10.0	117	11.4	10.0	114	79-121	3	20
4-Chlorotoluene	ND	11.2	10.0	112	10.8	10.0	108	70-133	4	20
1,3,5-Trimethylbenzene	ND	12.1	10.0	121 M1	11.7	10.0	117	79-118	4	20
tert-Butylbenzene	ND	12.1	10.0	121 M1	11.5	10.0	115	77-120	5	20
1,2,4-Trimethylbenzene	ND	11.7	10.0	117	11.4	10.0	114	68-127	3	20
sec-Butylbenzene	ND	12.5	10.0	125 M1	12.1	10.0	121	78-123	3	20
1,3-Dichlorobenzene	ND	10.7	10.0	107	10.2	10.0	102	78-127	4	20
4-Isopropyltoluene	ND	12.7	10.0	127	12.2	10.0	122	79-142	4	20
Bromoform	ND	8.01	10.0	80 M2	8.13	10.0	81 M2	83-111	1	20
1,1,2,2-Tetrachloroethane	ND	8.82	10.0	88	9.38	10.0	94	66-133	6	20
1,4-Dichlorobenzene	ND	10.5	10.0	105	10.4	10.0	104	48-139	1	20
1,2-Dichlorobenzene	ND	10.1	10.0	101	9.95	10.0	100	64-109	2	20
n-Butylbenzene	ND	12.7	10.0	127 M1	12.4	10.0	124 M1	69-122	2	20
1,2-Dibromo-3-chloropropane	ND	7.39	10.0	74	8.78	10.0	88	54-160	17	20
1,2,4-Trichlorobenzene	ND	9.48	10.0	95	9.66	10.0	97	39-145	2	20
Hexachlorobutadiene	ND	11.9	10.0	119 M1	12.1	10.0	121 M1	74-113	2	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300458-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300710

Analyte Name	Sample Result	Batch QCMS XWG0300710-1 Matrix Spike			Batch QCDMS XWG0300710-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Naphthalene	ND	9.20	10.0	92	9.70	10.0	97	44-167	5	20
1,2,3-Trichlorobenzene	ND	9.76	10.0	98	10.4	10.0	104	37-158	6	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300706

	Lab Control Sample XWG0300706-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300706-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	9.56	10.0	96	11.3	10.0	113	1-233	17	20
Chloromethane	8.76	10.0	88	9.47	10.0	95	46-156	8	20
Vinyl Chloride	9.26	10.0	93	10.2	10.0	102	51-158	10	20
Bromomethane	8.05	10.0	81	8.08	10.0	81	37-149	0	20
Chloroethane	10.6	10.0	106	9.22	10.0	92	56-146	14	20
Trichlorofluoromethane	10.2	10.0	102	11.4	10.0	114	69-139	12	20
1,1,2-Trichlorotrifluoroethane	10.1	10.0	101	11.4	10.0	114	83-130	12	20
1,1-Dichloroethene	9.75	10.0	98	10.7	10.0	107	65-112	9	20
Acetone	36.0	40.0	90	38.6	40.0	96	68-128	7	20
Iodomethane	37.1	40.0	93	38.3	40.0	96	68-144	3	20
Carbon Disulfide	43.1	40.0	108	46.7	40.0	117	67-140	8	20
Methylene Chloride	10.2	10.0	102	10.9	10.0	109	70-113	7	20
Methyl tert-Butyl Ether	8.66	10.0	87	8.98	10.0	90	75-115	4	20
trans-1,2-Dichloroethene	9.34	10.0	93	9.67	10.0	97	73-118	3	20
1,1-Dichloroethane	9.65	10.0	97	10.4	10.0	104	77-127	7	20
Vinyl Acetate	28.8	40.0	72	30.7	40.0	77	51-202	6	39
2,2-Dichloropropane	10.2	10.0	102	11.4	10.0	114	75-132	12	20
2-Butanone (MEK)	32.8	40.0	82	35.5	40.0	89	72-122	8	20
cis-1,2-Dichloroethene	9.76	10.0	98	9.89	10.0	99	81-118	1	20
Bromochloromethane	8.68	10.0	87	9.31	10.0	93	82-114	7	20
Chloroform	9.47	10.0	95	9.68	10.0	97	78-119	2	20
1,1,1-Trichloroethane	9.29	10.0	93	10.0	10.0	100	71-125	8	20
Carbon Tetrachloride	11.0	10.0	110	11.6	10.0	116	69-130	5	20
1,1-Dichloropropene	10.0	10.0	100	10.6	10.0	106	77-114	6	20
Benzene	9.55	10.0	96	9.70	10.0	97	81-117	2	20
1,2-Dichloroethane	9.63	10.0	96	9.81	10.0	98	67-122	2	20
Trichloroethene	9.87	10.0	99	10.3	10.0	103	79-114	4	20
1,2-Dichloropropane	8.75	10.0	88	8.88	10.0	89	78-114	1	20
Dibromomethane	9.39	10.0	94	9.77	10.0	98	78-113	4	20
Bromodichloromethane	8.81	10.0	88	9.08	10.0	91	79-122	3	20
cis-1,3-Dichloropropene	9.39	10.0	94	9.54	10.0	95	82-118	2	20
4-Methyl-2-pentanone (MIBK)	37.8	40.0	94	35.3	40.0	88	75-115	7	20
Toluene	9.96	10.0	100	9.94	10.0	99	85-118	0	20
trans-1,3-Dichloropropene	9.38	10.0	94	9.36	10.0	94	79-121	0	20
1,1,2-Trichloroethane	8.86	10.0	89	9.34	10.0	93	79-116	5	20

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Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/06/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300706

	Lab Control Sample XWG0300706-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300706-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	9.92	10.0	99	10.4	10.0	104	76-127	5	20
2-Hexanone	30.5	40.0	76	31.7	40.0	79	65-120	4	20
1,3-Dichloropropane	9.30	10.0	93	9.38	10.0	94	81-116	1	20
Dibromochloromethane	8.55	10.0	86	9.02	10.0	90	77-119	5	20
1,2-Dibromoethane	9.23	10.0	92	9.35	10.0	94	79-116	1	20
Chlorobenzene	9.72	10.0	97	9.81	10.0	98	84-114	1	20
1,1,1,2-Tetrachloroethane	9.15	10.0	92	9.42	10.0	94	78-118	3	20
Ethylbenzene	10.1	10.0	101	10.4	10.0	104	79-124	3	20
m,p-Xylenes	20.5	20.0	102	21.2	20.0	106	75-131	3	20
o-Xylene	9.76	10.0	98	10.2	10.0	102	78-122	4	20
Styrene	10.3	10.0	103	10.5	10.0	105	80-126	2	20
Isopropylbenzene	10.1	10.0	101	10.7	10.0	107	75-126	6	20
Bromobenzene	9.61	10.0	96	10.1	10.0	101	82-122	5	20
1,2,3-Trichloropropane	9.00	10.0	90	9.84	10.0	98	77-118	9	20
n-Propylbenzene	10.2	10.0	102	11.1	10.0	111	75-129	8	20
2-Chlorotoluene	10.2	10.0	102	10.7	10.0	107	77-126	5	20
4-Chlorotoluene	10.0	10.0	100	10.4	10.0	104	82-120	4	20
1,3,5-Trimethylbenzene	10.2	10.0	102	11.0	10.0	110	75-130	7	20
tert-Butylbenzene	9.88	10.0	99	10.7	10.0	107	73-130	8	20
1,2,4-Trimethylbenzene	10.1	10.0	101	10.8	10.0	108	60-137	6	20
sec-Butylbenzene	9.91	10.0	99	10.9	10.0	109	68-131	10	20
1,3-Dichlorobenzene	9.40	10.0	94	10.2	10.0	102	71-137	8	20
4-Isopropyltoluene	10.2	10.0	102	11.1	10.0	111	68-134	8	20
Bromoform	7.70	10.0	77	7.91	10.0	79	70-118	3	20
1,1,2,2-Tetrachloroethane	8.75	10.0	88	8.54	10.0	85	72-122	2	20
1,4-Dichlorobenzene	9.66	10.0	97	9.75	10.0	98	82-114	1	20
1,2-Dichlorobenzene	9.33	10.0	93	9.48	10.0	95	81-118	2	20
n-Butylbenzene	9.96	10.0	100	10.4	10.0	104	71-125	4	20
1,2-Dibromo-3-chloropropane	8.75	10.0	88	8.69	10.0	87	55-131	1	20
1,2,4-Trichlorobenzene	8.66	10.0	87	9.18	10.0	92	75-123	6	20
Hexachlorobutadiene	9.27	10.0	93	9.79	10.0	98	63-140	5	20
Naphthalene	8.74	10.0	87	9.38	10.0	94	67-125	7	20
1,2,3-Trichlorobenzene	8.73	10.0	87	9.35	10.0	94	72-124	7	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300710

Analyte Name	Lab Control Sample XWG0300710-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300710-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	11.6	10.0	116	11.8	10.0	118	1-233	2	20
Chloromethane	10.3	10.0	103	10.2	10.0	102	46-156	1	20
Vinyl Chloride	10.9	10.0	109	10.6	10.0	106	51-158	3	20
Bromomethane	8.07	10.0	81	7.96	10.0	80	37-149	1	20
Chloroethane	9.44	10.0	94	8.92	10.0	89	56-146	6	20
Trichlorofluoromethane	12.0	10.0	120	11.9	10.0	119	69-139	1	20
1,1,2-Trichlorotrifluoroethane	12.6	10.0	126	12.5	10.0	125	83-130	1	20
1,1-Dichloroethene	11.6	10.0	116 L1	11.1	10.0	111	65-112	5	20
Acetone	34.8	40.0	87	39.1	40.0	98	68-128	12	20
Iodomethane	38.0	40.0	95	39.6	40.0	99	68-144	4	20
Carbon Disulfide	51.3	40.0	128	50.8	40.0	127	67-140	1	20
Methylene Chloride	10.6	10.0	106	10.6	10.0	106	70-113	0	20
Methyl tert-Butyl Ether	8.93	10.0	89	9.08	10.0	91	75-115	2	20
trans-1,2-Dichloroethene	10.4	10.0	104	10.5	10.0	105	73-118	1	20
1,1-Dichloroethane	11.4	10.0	114	11.1	10.0	111	77-127	2	20
Vinyl Acetate	28.5	40.0	71	34.6	40.0	87	51-202	19	39
2,2-Dichloropropane	12.3	10.0	123	12.9	10.0	129	75-132	5	20
2-Butanone (MEK)	38.2	40.0	96	38.9	40.0	97	72-122	2	20
cis-1,2-Dichloroethene	10.7	10.0	107	10.5	10.0	105	81-118	2	20
Bromochloromethane	9.18	10.0	92	9.43	10.0	94	82-114	3	20
Chloroform	10.6	10.0	106	10.5	10.0	105	78-119	1	20
1,1,1-Trichloroethane	11.2	10.0	112	11.1	10.0	111	71-125	1	20
Carbon Tetrachloride	13.3	10.0	133 L1	13.3	10.0	133 L1	69-130	1	20
1,1-Dichloropropene	12.4	10.0	124 L1	12.4	10.0	124 L1	77-114	0	20
Benzene	11.0	10.0	110	10.8	10.0	108	81-117	2	20
1,2-Dichloroethane	10.1	10.0	101	10.2	10.0	102	67-122	1	20
Trichloroethene	11.7	10.0	117 L1	11.2	10.0	112	79-114	4	20
1,2-Dichloropropane	9.72	10.0	97	9.64	10.0	96	78-114	1	20
Dibromomethane	9.98	10.0	100	9.81	10.0	98	78-113	2	20
Bromodichloromethane	9.32	10.0	93	9.41	10.0	94	79-122	1	20
cis-1,3-Dichloropropene	10.1	10.0	101	9.98	10.0	100	82-118	1	20
4-Methyl-2-pentanone (MIBK)	37.7	40.0	94	36.2	40.0	90	75-115	4	20
Toluene	11.1	10.0	111	10.9	10.0	109	85-118	2	20
trans-1,3-Dichloropropene	9.64	10.0	96	9.63	10.0	96	79-121	0	20
1,1,2-Trichloroethane	9.39	10.0	94	9.26	10.0	93	79-116	1	20

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Client: BE&K Terranext
Project: WVBA/#0310-3154
Sample Matrix: Water

Service Request: X2300467
Date Extracted: 06/06/2003
Date Analyzed: 06/09/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300710

	Lab Control Sample XWG0300710-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300710-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Tetrachloroethene	11.9	10.0	119	11.7	10.0	117	76-127	1	20
2-Hexanone	33.5	40.0	84	34.0	40.0	85	65-120	1	20
1,3-Dichloropropane	9.49	10.0	95	9.54	10.0	95	81-116	1	20
Dibromochloromethane	8.80	10.0	88	8.74	10.0	87	77-119	1	20
1,2-Dibromoethane	9.41	10.0	94	9.59	10.0	96	79-116	2	20
Chlorobenzene	10.6	10.0	106	10.5	10.0	105	84-114	1	20
1,1,1,2-Tetrachloroethane	9.85	10.0	99	9.82	10.0	98	78-118	0	20
Ethylbenzene	11.6	10.0	116	11.5	10.0	115	79-124	1	20
m,p-Xylenes	23.4	20.0	117	22.9	20.0	115	75-131	2	20
o-Xylene	10.9	10.0	109	10.8	10.0	108	78-122	1	20
Styrene	11.0	10.0	110	11.1	10.0	111	80-126	1	20
Isopropylbenzene	11.8	10.0	118	11.5	10.0	115	75-126	2	20
Bromobenzene	10.3	10.0	103	10.2	10.0	102	82-122	1	20
1,2,3-Trichloropropane	9.65	10.0	97	9.64	10.0	96	77-118	0	20
n-Propylbenzene	12.0	10.0	120	11.9	10.0	119	75-129	1	20
2-Chlorotoluene	11.4	10.0	114	11.2	10.0	112	77-126	2	20
4-Chlorotoluene	10.8	10.0	108	10.6	10.0	106	82-120	2	20
1,3,5-Trimethylbenzene	11.5	10.0	115	11.3	10.0	113	75-130	2	20
tert-Butylbenzene	11.4	10.0	114	11.1	10.0	111	73-130	3	20
1,2,4-Trimethylbenzene	11.3	10.0	113	11.0	10.0	110	60-137	3	20
sec-Butylbenzene	11.8	10.0	118	11.6	10.0	116	68-131	2	20
1,3-Dichlorobenzene	10.5	10.0	105	10.2	10.0	102	71-137	2	20
4-Isopropyltoluene	11.9	10.0	119	11.6	10.0	116	68-134	2	20
Bromoform	8.33	10.0	83	8.50	10.0	85	70-118	2	20
1,1,2,2-Tetrachloroethane	9.09	10.0	91	9.65	10.0	97	72-122	6	20
1,4-Dichlorobenzene	10.5	10.0	105	10.3	10.0	103	82-114	2	20
1,2-Dichlorobenzene	10.2	10.0	102	10.0	10.0	100	81-118	1	20
n-Butylbenzene	11.9	10.0	119	12.0	10.0	120	71-125	0	20
1,2-Dibromo-3-chloropropane	8.56	10.0	86	8.57	10.0	86	55-131	0	20
1,2,4-Trichlorobenzene	9.85	10.0	99	9.66	10.0	97	75-123	2	20
Hexachlorobutadiene	11.7	10.0	117	11.7	10.0	117	63-140	1	20
Naphthalene	9.91	10.0	99	9.81	10.0	98	67-125	1	20
1,2,3-Trichlorobenzene	10.4	10.0	104	10.3	10.0	103	72-124	1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

June 12, 2003

Chuck Gordon
BE & K/Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

RE: WVBA/Project #0310-3154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on June 3, 2003. For your reference, these analyses have been assigned our service request number L2301168.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services is certified for environmental analyses by the California Department of Health Services (certificate number: 1296A); NELAP (certificate number: 02115CA); Los Angeles County Laboratory ID (No. 10151); and Arizona Department of Health Services (License number: AZ0136 and AZ0544).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

042

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154

Service Request : L2301168

Sample Name :	Lab Code :
Batch QC	L2301122-001S
Batch QC	L2301122-001SD
AVB122-0200-01245	L2301168-001
AVB122-0204-1000	L2301168-002
AVB120-0200-01245	L2301168-003
AVB119-0100-01140	L2301168-004
Laboratory Control Sample	L2301168-LCS
Method Blank	L2301168-MB

Approved By: _____ Date: 6/12/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Total Metals

Sample Name :	AVB122-0200-01245	**Units :**	ug/L (ppb)
Lab Code :	L2301168-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Dissolved Metals

Sample Name :	AVB122-0200-01245	**Units :**	ug/L (ppb)
Lab Code :	L2301168-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	ND	

045

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Total Metals

Sample Name :	AVB122-0204-1000	**Units :**	ug/L (ppb)
Lab Code :	L2301168-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	ND	

048

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2301168
Date Collected : 06/03/03
Date Received : 06/03/03
Date Extracted : 06/05/03

Dissolved Metals

Sample Name : AVB122-0204-1000
Lab Code : L2301168-002

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Total Metals

Sample Name :	AVB120-0200-01245	**Units :**	ug/L (ppb)
Lab Code :	L2301168-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	17	

043

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Dissolved Metals

Sample Name :	AVB120-0200-01245	**Units :**	ug/L (ppb)
Lab Code :	L2301168-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	14	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2301168
Date Collected : 06/03/03
Date Received : 06/03/03
Date Extracted : 06/05/03

Total Metals

Sample Name : AVB119-0100-01140
Lab Code : L2301168-004

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	24	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	06/03/03
Project No. :	0310-3154	**Date Received :**	06/03/03
Matrix :	Water	**Date Extracted :**	06/05/03

Dissolved Metals

Sample Name :	AVB119-0100-01140	**Units :**	ug/L (ppb)
Lab Code :	L2301168-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	21	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2301168
Project Name :	WVBA	**Date Collected :**	NA
Project No. :	0310-3154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	06/05/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2301168-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	06/11/03	ND	

052

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2301168
Date Collected : NA
Date Received : NA
Date Extracted : 06/05/03
Date Analyzed : 06/11/03

Laboratory Control Sample Summary
Total Metals

Sample Name : Laboratory Control Sample
Lab Code : L2301168-LCS

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	505	101	87-111	

053

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVBA
Project No. : 0310-3154
Matrix : Water

Service Request : L2301168
Date Collected : NA
Date Received : NA
Date Extracted : 06/05/03
Date Analyzed : 06/11/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name : Batch QC
Lab Code : L2301122-001S L2301122-001SD

Units : ug/L (ppb)
Basis : NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	44.8	555	553	102	102	87-105	<1	

0054

Columbia Analytical Services INC.
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L2301168

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 6-3-03 PAGE 1 OF 1

PROJECT NAME WRDA #0310-3154

PROJECT MANAGER Gordon

COMPANY/ADDRESS BE2K/Terranext

PHONE/FAX

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESER-VATION	NUMBER OF CONTAINERS	ANALYSIS REQUESTED: Volatile Organics GC/MS 624/8260	Lab Filtered Cr	Dissolved Cr	REMARKS
AVB122-0202-1000	6-3-03	7:15	467-001	W		1	X			
(1) AVB122-0200-0245	"	9:40	002	W		5	X	X	X	
(2) AVB122-0204-1000	"	10:40	003	W		5	X	X	X	
(3) AVB120-0200-0245	"	12:00	004	W		5	X	X	X	
(4) AVB119-0100-0140	"	14:10	005	W		5	X	X	X	

15

SPECIAL INSTRUCTIONS/COMMENTS:

Dissolved Cr requires Lab Filtering

REPORT REQUIREMENTS

- ___ I. Routine Report
- X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- ___ III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping VIA: Fed-Ex

Shipping #:

Condition:

Lab No: X2300467

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE2K	6-3-03 1443	Leslie May	CAS	6-3-03 1443
Leslie May	CAS	6-3-03 1600	Fedex		
Fedex				CAS	6/4/03 0845

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

- ☐ 24 Hours
- ☐ 48 Hours
- ☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2301168 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # _____-TB-_____

Temperature of sample(s)/cooler 3 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Appropriate Preservation? Yes ✓ No____

RUSH Turn around time? Yes ____ Notified _____Date & Time_____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified _____ Date & Time_____

Container(s) received and their preservative(s):

-1 → -4 = 1-500ml Pl (NP) A
1-500ml Pl (HNO3) B

Comments Filter & preserve diss metals bottle in lab
CALLED Barbara 6/4/03 1025

16

Initials, Date, Time LK 6/4/03 1015 6/4/03

r:\sr_forms\cooler.doc Rev. 2/25/02

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 6-3-03 PAGE 1 OF 1

PROJECT NAME AVBA #0310-3154
PROJECT MANAGER Gordon
COMPANY/ADDRESS BE&K/Terranext
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	Volatile Organics GC/MS 624/8260	Total Cr	Dissolved Cr	REMARKS
AVB122-0202-1000	6-3-03	7:15	467-001	W		1	X			
AVB122-0200-0124S	"	9:40	002	W		5	X	X	X	
AVB122-0204-1000	"	10:40	003	W		5	X	X	X	
AVB120-0200-0124S	"	12:00	004	W		5	X	X	X	
AVB119-0100-0114D	"	14:10	005	W		5	X	X	X	

ANALYSIS REQUESTED

BTEX 602/8021; Volatile Organics GC/MS 624/8260; Halogenated Volatile Organics 601/8021; Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐; TPH/8015AZ R1 C_{10}-C_{32}; Total Petroleum Hydrocarbons EPA 418.1/418.1 AZ; Base Neutral Acid Organics GC/MS 625/8270; 8RCRA Metals Total ☐ TCLP ☐; Lead Total ☐ TCLP ☐; Flash Point ☐ pH ☐ Paint Filter ☐; TVPH as Gasoline 8015 AZ C_6-C_{10}; PAH 8310 ☐ 8270 ☐; Total Cr; Dissolved Cr

SPECIAL INSTRUCTIONS/COMMENTS:
Dissolved Cr requires Lab Filtering

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.# _____
Bill To _____

SAMPLE RECEIPT:
Shipping VIA: _____
Shipping #: _____
Condition: _____
Lab No: X2300467

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BE&K	6-3-03 1443	Leslie May	CAS	6-3-03 1443
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

X230 0467

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BC+K Project Name: WVDA

Sample(s) Received on: 6-3-03 date 1445 time

VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH	STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐	No ☐
3. Are the signature and date correct?	Yes ☐	No ☐
4. Did all containers arrive in good condition?	Yes ☐	No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☐	No ☐
6. Were the correct containers used for the tests indicated?	Yes ☐	No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☐	No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 5.6 °C		

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3		
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

Columbia Analytical Services INC.
An Employee-Owned Company

April 17, 2003

Chuck Gordon
BE&K Terranext
9830 S. 51st Street, Suite A-127
Phoenix, AZ 85044

Re: WVB / Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 21, 2003. The samples were analyzed for Total & Dissolved Chromium by our Canoga Park, CA facility (L2300648). For your reference, the 8260 analyses have been assigned our service request number X2300257.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Columbia Analytical Services, Inc. is certified for environmental analyses by the Arizona Department of Health Services (Certificate #AZ0136; and #AZ0497).

Please call if you have any questions. My extension is 223.

Respectfully submitted,

Columbia Analytical Services, Inc.

Tracy L. Dutton
Laboratory Director

TLD/lm

NELAC Accredited
3902 East University Drive, Suite 4 Phoenix, AZ 85034
(602) 437-2001 (800) 695-7222x09 Fax (602) 437-5308
ACIL Seal of Excellence Laboratory

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext	**Service Request No.:**	X2300257
Project:	WVB / #03103154	**Date Received:**	3/21/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier III data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

The associated blank spike (XWG0300444-3 and XWG0300444-4) recovery of Bromochloromethane, Method 8260, was above laboratory acceptance limits. This compound was not detected in any of the samples analyzed in this batch.

Matrix spike (XWG0300444-1 and XWG0300444-2) recovery of several analytes for Method 8260B was low. The method control sample recovery was acceptable.

Matrix spike (XWG0300444-1) recovery of Hexachlorobutadiene, Method 8260B, was high. The method control sample recovery was acceptable.

Approved by _____ Date 4-18-03

ARIZONA DATA QUALIFIERS

Method Blank:

B1	Target analyte detected in method blank at or above the method reporting limit.
B2	Non-target analyte detected in method blank and sample, producing interference.
B3	Target analyte detected in calibration blank at or above the method reporting limit.
B4	Target analyte detected in blank at/above method acceptance criteria.
B5	Target analyte detected in method blank at or above the method reporting limit, but below trigger level or MCL.
B6	Target analyte detected in calibration blank at or above the method reporting limit, but below trigger level or MCL.
B7	Target analyte detected in method blank at or above method reporting limit. Concentration found in the sample was 10 times above the concentration found in the method blank.

Confirmation:

C1	Confirmatory analysis not performed as required by the method.
C2	Confirmatory analysis not performed. Confirmation of analyte presence established by site historical data.
C3	Qualitative confirmation performed. See case narrative.
C4	Confirmatory analysis was past holding time.
C5	Confirmatory analysis was past holding time. Original result not confirmed.

Dilution:

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
D3	Sample dilution required due to insufficient sample.
D4	Minimum reporting level (MRL) adjusted to reflect sample amount received and analyzed.

Estimated concentration:

E1	Concentration estimated. Analyte exceeded calibration range. Reanalysis not possible due to insufficient sample.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to sample matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements.
E4	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
E5	Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL), but not confirmed by alternate analysis.
E6	Confirmation estimated. Internal standard recoveries did not meet method acceptance criteria.
E7	Confirmation estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

Hold Time:

H1	Sample analysis performed past holding time. See case narrative.
H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
H3	Sample was received and analyzed past holding time.
H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time. See case narrative.

Laboratory fortified blank/blank spike:

L1	The associated blank spike recovery was above laboratory acceptance limits. See case narrative.

L2 The associated blank spike recovery was below laboratory acceptance limits. See case narrative.

L3 The associated blank spike recovery was above method acceptance limits. See case narrative.

L4 The associated blank spike recovery was below method acceptance limits. See case narrative.

Note: The L1, L2, L3, & L4 footnotes need to be added to all corresponding analytes for a sample.

Matrix spike:

M1 Matrix spike recovery was high, the method control sample recovery was acceptable.

M2 Matrix spike recovery was low, the method control sample recovery was acceptable.

M3 The accuracy of the spike recovery value is reduced since the analyte concentration in the sample is disproportionate to spike level. The method control sample recovery was acceptable.

M4 The analysis of the spiked sample required a dilution such that the spike concentrations was diluted below the reporting limit. The method control sample recovery was acceptable.

M5 Analyte concentration was determined by the method of standard addition (MSA).

M6 Matrix spike recovery was high. Data reported per ADEQ policy 0154.000.

M7 Matrix sipke recovery was low. Data reported per ADEQ policy 0154.000.

General:

N1 See case narrative.

N2 See corrective action report.

Sample quality:

Q1 Sample integrity was not maintained. See case narrative.

Q2 Sample received with head space.

Q3 Sample received with improper chemical preservation.

Q4 Sample received and analyzed without chemical preservation.

Q5 Sample received with inadequate chemical preservation, but preserved by the laboratory.

Q6 Sample was received above recommended temperature.

Q7 Sample inadequately dechlorinated.

Q8 Insufficient sample received to meet QC requirements. QC requirements satisfy ADEQ policies 0154 and 0155.

Q9 Insufficient sample received to meet QC requirements.

Q10 Sample received in inappropriate sample container.

Q11 Sample is heterogeneous. Sample homogeneity could not be readily achieved using routine laboratory practices.

Duplicates:

R1 RPD exceeded the method control limit. See case narrative.

R2 RPD exceeded the laboratory control limit. See case narrative.

R3 Sample RPD between the primary and confirmatory analysis exceeded 40%. Per Method 8000B, the higher value was reported.

R4 MS/MSD RPD exceeded the method control limit. Recovery met acceptance criteria.

R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R6 LFB/LFBD RPD exceeded the method control limit. Recovery met acceptance criteria.

R7 LFB/LFBD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

R8 Sample RPD exceeded the method control limit.

R9 Sample RPD exceeded the laboratory control limit.

Surrogate:

S1 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits.

S2 Surrogate recovery was above laboratory and method acceptance limits.

S3 Surrogate recovery was above laboratory acceptance limits, but within method acceptance limits. No target analytes were detected in the sample.

S4 Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.

S5 Surrogate recovery was below laboratory acceptance limits, but within method acceptance limits.

S6 Surrogate recovery was below laboratory and method acceptance limits. Reextraction and/or reanalysis confirms low recovery caused by matrix effect.

S7 Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.

S8 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria. The method control sample recovery was acceptable.

S9 The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The method control sample recovery was acceptable.

S10 Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

S11 Surrogate recovery was high. Data reported per ADEQ policy 0154.000.

S12 Surrogate recovery was low. Data reported per ADEQ policy 0154.000.

Method/analyte discrepancies:

T1 Method promulgated by EPA, but not ADHS at this time.

T2 Cited ADHS licensed method does not contain this analyte as part of method compound list.

T3 Method not promulgated either by EPA or ADHS.

T4 Tentatively identified compound. Concentration is estimated and based on the closest internal standard.

Calibration verification:

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

V2 CCV recovery was above method acceptance limits. This target analyte was detected in the sample. The sample could not be reanalyzed due to insufficient sample.

V3 CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not reanalyzed. See case narrative.

V4 CCV recovery was below method acceptance limits. The sample could not be reanalyzed due to insufficient sample.

V5 CCV recovery after a group of samples was above acceptance limits. This target analyte was not detected in the sample. Acceptable per EPA Method 8000B.

V6 Data reported from one-point calibration criteria per ADEQ policy 0155.000.

V7 Calibration verification recovery was above the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

V8 Calibration verification recovery was below the method control limit for this analyte however the average % difference or % drift for all the analytes met method criteria.

Calibration:

W1 The % RSD for this compound was above 15%. The average % RSD for all compounds in the calibration met the 15% criteria as specified in EPA method 8000B.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The reported value is estimated because of the presence of matrix interference.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Organic Analysis:
Volatile Organic Compounds

Summary Package

Sample and QC Results

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300257

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
AVB40-0500-17093	X2300257-001	03/21/2003	03/21/2003
AVB40-0700-16096	X2300257-002	03/21/2003	03/21/2003
AVB77-0300-07119	X2300257-003	03/21/2003	03/21/2003
AVB77-0100-07098	X2300257-004	03/21/2003	03/21/2003
AVB77-0400-07099	X2300257-005	03/21/2003	03/21/2003
AVB40-0600-07095	X2300257-006	03/21/2003	03/21/2003
AVB40-0800-01095	X2300257-007	03/21/2003	03/21/2003
AVB40-0804-1000	X2300257-008	03/21/2003	03/21/2003
AVB40-0802-1000	X2300257-009	03/21/2003	03/21/2003

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 in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Tracy Dutton

Name: Tracy Dutton

Date: 4-18-03

Title: Lab Manager

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0500-17093
Lab Code: X2300257-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0500-17093
Lab Code: X2300257-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0500-17093
Lab Code: X2300257-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	107	84-113	04/02/03	
Toluene-d8	104	68-126	04/02/03	
4-Bromofluorobenzene	95	79-113	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0700-16096
Lab Code: X2300257-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ng/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**14**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0700-16096
Lab Code: X2300257-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**16**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Collected:**	03/21/2003
Sample Matrix:	Water	**Date Received:**	03/21/2003

Volatile Organic Compounds

Sample Name:	AVB40-0700-16096	**Units:**	ug/L
Lab Code:	X2300257-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	04/02/03	
Toluene-d8	101	68-126	04/02/03	
4-Bromofluorobenzene	95	79-113	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0300-07119
Lab Code: X2300257-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	**1.1**		1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	**0.56**		0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**1.7**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	**0.97**		0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0300-07119
Lab Code: X2300257-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**2.0**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	**0.60**		0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	**0.75**		0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Bntylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Collected:**	03/21/2003
Sample Matrix:	Water	**Date Received:**	03/21/2003

Volatile Organic Compounds

Sample Name:	AVB77-0300-07119	**Units:**	ug/L
Lab Code:	X2300257-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Resnlt	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	104	84-113	04/02/03	
Toluene-d8	106	68-126	04/02/03	
4-Bromofluorobenzene	95	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0100-07098
Lab Code: X2300257-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichloroflnoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Bntanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**11**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0100-07098
Lab Code: X2300257-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**3.5**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

000019

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0100-07098
Lab Code: X2300257-004

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	04/02/03	
Toluene-d8	107	68-126	04/02/03	
4-Bromofluorobenzene	94	79-113	04/02/03	

Comments:

000026

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0400-07099
Lab Code: X2300257-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethaue	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**7.2**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB77-0400-07099
Lab Code: X2300257-005

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**3.8**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Collected:**	03/21/2003
Sample Matrix:	Water	**Date Received:**	03/21/2003

Volatile Organic Compounds

Sample Name:	AVB77-0400-07099	**Units:**	ug/L
Lab Code:	X2300257-005	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	04/02/03	
Toluene-d8	104	68-126	04/02/03	
4-Bromofluorobenzene	97	79-113	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0600-07095
Lab Code: X2300257-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0600-07095
Lab Code: X2300257-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**2.3**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0600-07095
Lab Code: X2300257-006

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/02/03	
Toluene-d8	104	68-126	04/02/03	
4-Bromofluorobenzene	94	79-113	04/02/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Collected:**	03/21/2003
Sample Matrix:	Water	**Date Received:**	03/21/2003

Volatile Organic Compounds

Sample Name:	AVB40-0800-01095	**Units:**	ug/L
Lab Code:	X2300257-007	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butauone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	**27**		0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	**0.53**		0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0800-01095
Lab Code: X2300257-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	**8.2**		0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0800-01095
Lab Code: X2300257-007

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	101	84-113	04/02/03	
Toluene-d8	100	68-126	04/02/03	
4-Bromofluorobenzene	92	79-113	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0804-1000
Lab Code: X2300257-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Bntyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0804-1000
Lab Code: X2300257-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0804-1000
Lab Code: X2300257-008

Extraction Method: EPA 5030B
Analysis Method: 8260B

Uuits: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	99	84-113	04/02/03	
Toluene-d8	102	68-126	04/02/03	
4-Bromofluorobenzene	94	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0802-1000
Lab Code: X2300257-009

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: 03/21/2003
Date Received: 03/21/2003

Volatile Organic Compounds

Sample Name: AVB40-0802-1000
Lab Code: X2300257-009

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Bntylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltoluene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Collected:**	03/21/2003
Sample Matrix:	Water	**Date Received:**	03/21/2003

Volatile Organic Compounds

Sample Name:	AVB40-0802-1000	**Units:**	ug/L
Lab Code:	X2300257-009	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	103	84-113	04/02/03	
Toluene-d8	104	68-126	04/02/03	
4-Bromofluorobenzene	94	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300444-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Dichlorodifluoromethane	ND	U	3.0	1	04/02/03	04/02/03	
Chloromethane	ND	U	2.0	1	04/02/03	04/02/03	
Vinyl Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Bromomethane	ND	U	1.0	1	04/02/03	04/02/03	
Chloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Trichlorofluoromethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichlorotrifluoroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,1-Dichloroethene	ND	U	1.0	1	04/02/03	04/02/03	
Acetone	ND	U	10	1	04/02/03	04/02/03	
Iodomethane	ND	U	2.0	1	04/02/03	04/02/03	
Carbon Disulfide	ND	U	2.0	1	04/02/03	04/02/03	
Methylene Chloride	ND	U	1.0	1	04/02/03	04/02/03	
Methyl tert-Butyl Ether	ND	U	1.0	1	04/02/03	04/02/03	
trans-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Vinyl Acetate	ND	U	3.0	1	04/02/03	04/02/03	
2,2-Dichloropropane	ND	U	2.0	1	04/02/03	04/02/03	
2-Butanone (MEK)	ND	U	8.0	1	04/02/03	04/02/03	
cis-1,2-Dichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
Bromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	L1
Chloroform	ND	U	1.0	1	04/02/03	04/02/03	
1,1,1-Trichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Carbon Tetrachloride	ND	U	0.50	1	04/02/03	04/02/03	
1,1-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
Benzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Trichloroethene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichloropropane	ND	U	0.50	1	04/02/03	04/02/03	
Dibromomethane	ND	U	0.50	1	04/02/03	04/02/03	
Bromodichloromethane	ND	U	0.50	1	04/02/03	04/02/03	
cis-1,3-Dichloropropene	ND	U	0.50	1	04/02/03	04/02/03	
4-Methyl-2-pentanone (MIBK)	ND	U	8.0	1	04/02/03	04/02/03	
Toluene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300444-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
trans-1,3-Dichloropropene	ND	U	1.0	1	04/02/03	04/02/03	
1,1,2-Trichloroethane	ND	U	1.0	1	04/02/03	04/02/03	
Tetrachloroethene	ND	U	0.50	1	04/02/03	04/02/03	
2-Hexanone	ND	U	5.0	1	04/02/03	04/02/03	
1,3-Dichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
Dibromochloromethane	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromoethane	ND	U	0.50	1	04/02/03	04/02/03	
Chlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,1,1,2-Tetrachloroethane	ND	U	0.50	1	04/02/03	04/02/03	
Ethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
m,p-Xylenes	ND	U	1.0	1	04/02/03	04/02/03	
o-Xylene	ND	U	0.50	1	04/02/03	04/02/03	
Styrene	ND	U	0.50	1	04/02/03	04/02/03	
Isopropylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
Bromobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,3-Trichloropropane	ND	U	1.0	1	04/02/03	04/02/03	
n-Propylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
2-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
4-Chlorotoluene	ND	U	0.50	1	04/02/03	04/02/03	
1,3,5-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
tert-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2,4-Trimethylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
sec-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,3-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
4-Isopropyltolnene	ND	U	0.50	1	04/02/03	04/02/03	
Bromoform	ND	U	0.50	1	04/02/03	04/02/03	
1,1,2,2-Tetrachloroethane	ND	U	1.0	1	04/02/03	04/02/03	
1,4-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
n-Butylbenzene	ND	U	0.50	1	04/02/03	04/02/03	
1,2-Dibromo-3-chloropropane	ND	U	5.0	1	04/02/03	04/02/03	
1,2,4-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	
Hexachlorobutadiene	ND	U	0.50	1	04/02/03	04/02/03	

Comments:

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: XWG0300444-5

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Arizona Qualifier
Naphthalene	ND	U	3.0	1	04/02/03	04/02/03	
1,2,3-Trichlorobenzene	ND	U	0.50	1	04/02/03	04/02/03	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Arizona Qualifier
Dibromofluoromethane	100	84-113	04/02/03	
Toluene-d8	102	68-126	04/02/03	
4-Bromofluorobenzene	93	79-113	04/02/03	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
AVB40-0500-17093	X2300257-001	107	104	95
AVB40-0700-16096	X2300257-002	101	101	95
AVB77-0300-07119	X2300257-003	104	106	95
AVB77-0100-07098	X2300257-004	100	107	94
AVB77-0400-07099	X2300257-005	100	104	97
AVB40-0600-07095	X2300257-006	103	104	94
AVB40-0800-01095	X2300257-007	101	100	92
AVB40-0804-1000	X2300257-008	99	102	94
AVB40-0802-1000	X2300257-009	103	104	94
Method Blank	XWG0300444-5	100	102	93
Batch QC	X2300263-001	102	107	94
Batch QCMS	XWG0300444-1	103	104	98
Batch QCDMS	XWG0300444-2	98	99	93
Lab Control Sample	XWG0300444-3	100	106	96
Duplicate Lab Control Sample	XWG0300444-4	98	95	96

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	84-113
Sur2 =	Toluene-d8	68-126
Sur3 =	4-Bromofluorobenzene	79-113

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300257
Date Analyzed: 04/02/2003
Time Analyzed: 08:16

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS02\APR03\040203\02APR003.D
Instrument ID: GC-MS02
Analysis Method: 8260B

Lab Code: XWG0300443-2
Analysis Lot: XWG0300443

		1,4-Difluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	968,056	10.56	943,973	15.07	419,309	18.04
	Upper Limit ==>	1,936,112	11.06	1,887,946	15.57	838,618	18.54
	Lower Limit ==>	484,028	10.06	471,987	14.57	209,655	17.54
	ICAL Result ==>	655,795	NA	617,977	NA	288,331	NA
Associated Analyses							
Lab Control Sample	XWG0300444-3	979,791	10.56	977,540	15.06	442,584	18.04
Duplicate Lab Control Sample	XWG0300444-4	1,025,928	10.56	975,787	15.06	471,152	18.04
Batch QCMS	XWG0300444-1	1,012,440	10.56	989,576	15.06	455,174	18.04
Batch QCDMS	XWG0300444-2	1,027,003	10.56	948,419	15.06	442,640	18.04
Method Blank	XWG0300444-5	1,003,661	10.56	978,144	15.06	421,580	18.04
AVB40-0802-1000	X2300257-009	1,012,378	10.56	917,273	15.07	401,603	18.04
Batch QC	X2300263-001	927,884	10.56	952,942	15.06	418,287	18.04
AVB40-0500-17093	X2300257-001	873,326	10.56	832,062	15.07	387,040	18.04
AVB40-0700-16096	X2300257-002	892,341	10.56	819,201	15.07	376,354	18.04

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154

Service Request: X2300257
Date Analyzed: 04/02/2003
Time Analyzed: 16:41

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS02\APR03\040203\02APR019.D
Instrument ID: GC-MS02
Analysis Method: 8260B

Lab Code: XWG0300451-2
Analysis Lot: XWG0300451

		1,4-Difluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	925,621	10.57	922,003	15.06	435,097	18.04
	Upper Limit ==>	1,851,242	11.07	1,844,006	15.56	870,194	18.54
	Lower Limit ==>	462,811	10.07	461,002	14.56	217,549	17.54
	ICAL Result ==>	655,795	NA	617,977	NA	288,331	NA
Associated Analyses							
AVB77-0300-07119	X2300257-003	736,502	10.57	767,655	15.06	347,028	18.05
AVB77-0100-07098	X2300257-004	776,264	10.57	814,223	15.06	355,546	18.04
AVB77-0400-07099	X2300257-005	714,420	10.56	715,167	15.07	329,160	18.04
AVB40-0600-07095	X2300257-006	694,157	10.56	708,937	15.06	317,449	18.04
AVB40-0800-01095	X2300257-007	708,691	10.57	666,462	15.06	303,808	18.04
AVB40-0804-1000	X2300257-008	702,515	10.56	655,680	15.07	298,865	18.04

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300263-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300444

Analyte Name	Sample Result	Batch QCMS XWG0300444-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300444-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	2.82	10.0	28 M2	2.52	10.0	25 M2	78-207	11	20
Chloromethane	ND	5.79	10.0	58 M2	4.92	10.0	49 M2	70-157	16	20
Vinyl Chloride	ND	6.71	10.0	67 M2	5.90	10.0	59 M2	79-174	13	20
Bromomethane	ND	8.08	10.0	81	6.74	10.0	67	44-150	18	20
Chloroethane	ND	8.97	10.0	90	7.91	10.0	79	74-150	13	20
Trichlorofluoromethane	ND	8.21	10.0	82	7.79	10.0	78 M2	80-134	5	20
1,1,2-Trichlorotrifluoroethane	ND	11.2	10.0	112	9.69	10.0	97	67-128	15	20
1,1-Dichloroethene	ND	9.76	10.0	98	8.24	10.0	82	71-142	17	20
Acetone	ND	33.4	40.0	83	36.7	40.0	92	1-155	10	20
Iodomethane	ND	42.6	40.0	107	36.5	40.0	91	47-120	16	20
Carbon Disulfide	ND	42.4	40.0	106	36.7	40.0	92	77-126	14	20
Methylene Chloride	ND	10.5	10.0	105	9.78	10.0	98	83-106	7	20
Methyl tert-Butyl Ether	ND	8.56	10.0	86	8.68	10.0	87	70-118	1	20
trans-1,2-Dichloroethene	ND	11.1	10.0	111	9.79	10.0	98	86-115	13	20
1,1-Dichloroethane	ND	11.3	10.0	113	10.1	10.0	101	77-127	11	20
Vinyl Acetate	ND	40.1	40.0	100	39.9	40.0	100	8-187	0	20
2,2-Dichloropropane	ND	10.7	10.0	107	9.76	10.0	98	25-154	9	20
2-Butanone (MEK)	ND	31.2	40.0	78 M2	37.8	40.0	94	90-112	19	20
cis-1,2-Dichloroethene	ND	10.2	10.0	102	9.65	10.0	97	69-118	5	20
Bromochloromethane	ND	11.2	10.0	112	10.8	10.0	108	47-136	4	20
Chloroform	ND	10.7	10.0	107	10.1	10.0	101	48-143	6	20
1,1,1-Trichloroethane	ND	9.01	10.0	90	8.54	10.0	85	84-122	5	20
Carbon Tetrachloride	ND	9.83	10.0	98	9.18	10.0	92	79-120	7	20
1,1-Dichloropropene	ND	10.3	10.0	103	9.76	10.0	98	85-117	5	20
Benzene	ND	9.84	10.0	98	9.51	10.0	95	88-114	3	20
1,2-Dichloroethane	ND	9.65	10.0	97	10.0	10.0	100	75-112	4	20
Trichloroethene	ND	10.5	10.0	105	10.3	10.0	103	76-115	2	20
1,2-Dichloropropane	ND	10.0	10.0	100	9.81	10.0	98	85-107	2	20
Dibromomethane	ND	9.75	10.0	98	10.5	10.0	105	82-106	8	20
Bromodichloromethane	ND	9.28	10.0	93	9.13	10.0	91	83-107	2	20
cis-1,3-Dichloropropene	ND	10.3	10.0	103	10.2	10.0	102	70-114	1	20
4-Methyl-2-pentanone (MIBK)	ND	32.9	40.0	82	39.0	40.0	98	54-129	17	20
Toluene	ND	10.5	10.0	105	9.92	10.0	99	86-114	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: X2300263-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low
Extraction Lot: XWG0300444

Analyte Name	Sample Result	Batch QCMS XWG0300444-1 Matrix Spike Result	Expected	%Rec	Batch QCDMS XWG0300444-2 Duplicate Matrix Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND	9.78	10.0	98	9.80	10.0	98	73-112	0	20
1,1,2-Trichloroethane	ND	8.92	10.0	89	9.48	10.0	95	79-112	6	20
Tetrachloroethene	ND	10.3	10.0	103	9.77	10.0	98	78-130	5	20
2-Hexanone	ND	32.7	40.0	82	37.4	40.0	94	77-112	13	20
1,3-Dichloropropane	ND	9.36	10.0	94	9.34	10.0	93	45-133	0	20
Dibromochloromethane	ND	9.35	10.0	94	9.33	10.0	93	74-108	0	20
1,2-Dibromoethane	ND	9.29	10.0	93	9.13	10.0	91	73-113	2	20
Chlorobenzene	ND	10.4	10.0	104	9.83	10.0	98	84-111	5	20
1,1,1,2-Tetrachloroethane	ND	9.60	10.0	96	9.75	10.0	98	84-119	2	20
Ethylbenzene	ND	10.8	10.0	108	10.2	10.0	102	47-136	6	20
m,p-Xylenes	ND	22.0	20.0	110	20.9	20.0	105	84-120	5	20
o-Xylene	ND	10.6	10.0	106	9.85	10.0	99	47-143	7	20
Styrene	ND	10.8	10.0	108	10.3	10.0	103	72-121	5	20
Isopropylbenzene	ND	10.5	10.0	105	9.80	10.0	98	63-108	7	20
Bromobenzene	ND	11.0	10.0	110	10.6	10.0	106	80-113	4	20
1,2,3-Trichloropropane	ND	9.84	10.0	98	10.0	10.0	100	78-119	2	20
n-Propylbenzene	ND	11.0	10.0	110	10.2	10.0	102	76-117	7	20
2-Chlorotoluene	ND	10.7	10.0	107	9.95	10.0	100	79-121	7	20
4-Chlorotoluene	ND	10.8	10.0	108	10.1	10.0	101	70-133	6	20
1,3,5-Trimethylbenzene	ND	10.9	10.0	109	10.0	10.0	100	79-118	8	20
tert-Butylbenzeue	ND	11.1	10.0	111	10.2	10.0	102	77-120	8	20
1,2,4-Trimethylbenzene	ND	10.9	10.0	109	10.1	10.0	101	68-127	7	20
sec-Butylbenzene	ND	10.4	10.0	104	9.63	10.0	96	78-123	8	20
1,3-Dichlorobenzene	ND	10.6	10.0	106	10.1	10.0	101	78-127	5	20
4-Isopropyltoluene	ND	11.2	10.0	112	10.1	10.0	101	79-142	10	20
Bromoform	ND	9.19	10.0	92	9.36	10.0	94	83-111	2	20
1,1,2,2-Tetrachloroethane	ND	10.0	10.0	100	10.7	10.0	107	66-133	6	20
1,4-Dichlorobenzene	ND	10.3	10.0	103	9.76	10.0	98	48-139	5	20
1,2-Dichlorobenzene	ND	9.81	10.0	98	9.68	10.0	97	64-109	1	20
n-Butylbenzene	ND	10.8	10.0	108	9.90	10.0	99	69-122	9	20
1,2-Dibromo-3-chloropropane	ND	8.71	10.0	87	8.64	10.0	86	54-160	1	20
1,2,4-Trichlorobenzene	ND	9.34	10.0	93	9.88	10.0	99	39-145	6	20
Hexachlorobutadiene	ND	11.9	10.0	119 M1	11.3	10.0	113	74-113	5	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Extracted:**	04/02/2003
Sample Matrix:	Water	**Date Analyzed:**	04/02/2003

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	X2300263-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	XWG0300444

		Batch QCMS XWG0300444-1 Matrix Spike			Batch QCDMS XWG0300444-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Naphthalene	ND	8.85	10.0	89	10.1	10.0	101	44-167	13	20
1,2,3-Trichlorobenzene	ND	10.8	10.0	108	11.7	10.0	117	37-158	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	BE&K Terranext	**Service Request:**	X2300257
Project:	WVB/#03103154	**Date Extracted:**	04/02/2003
Sample Matrix:	Water	**Date Analyzed:**	04/02/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030B	**Units:**	ug/L
Analysis Method:	8260B	**Basis:**	NA
		Level:	Low
		Extraction Lot:	XWG0300444

	Lab Control Sample XWG0300444-3 Lab Control Spike			Duplicate Lab Control Sample XWG0300444-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	2.79	10.0	28	2.58	10.0	26	1-233	8	20
Chloromethane	6.04	10.0	60	5.39	10.0	54	46-156	11	20
Vinyl Chloride	6.62	10.0	66	6.47	10.0	65	51-158	2	20
Bromomethane	8.05	10.0	81	7.72	10.0	77	37-149	4	20
Chloroethane	8.65	10.0	87	8.35	10.0	84	56-146	4	20
Trichlorofluoromethane	8.59	10.0	86	8.15	10.0	82	69-139	5	20
1,1,2-Trichlorotrifluoroethane	10.2	10.0	102	10.5	10.0	105	83-130	3	20
1,1-Dichloroethene	9.13	10.0	91	9.17	10.0	92	65-112	0	20
Acetone	38.5	40.0	96	42.1	40.0	105	68-128	9	20
Iodomethane	38.5	40.0	96	37.9	40.0	95	68-144	2	20
Carbon Disulfide	38.8	40.0	97	39.4	40.0	98	67-140	1	20
Methylene Chloride	10.2	10.0	102	10.2	10.0	102	70-113	1	20
Methyl tert-Butyl Ether	9.37	10.0	94	9.11	10.0	91	75-115	3	20
trans-1,2-Dichloroethene	10.4	10.0	104	10.5	10.0	105	73-118	1	20
1,1-Dichloroethane	10.7	10.0	107	10.9	10.0	109	77-127	2	20
Vinyl Acetate	42.6	40.0	107	41.5	40.0	104	51-202	3	39
2,2-Dichloropropane	9.97	10.0	100	10.2	10.0	102	75-132	2	20
2-Butanone (MEK)	38.1	40.0	95	37.1	40.0	93	72-122	3	20
cis-1,2-Dichloroethene	9.90	10.0	99	10.1	10.0	101	81-118	2	20
Bromochloromethane	12.2	10.0	122 L1	12.4	10.0	124 L1	82-114	2	20
Chloroform	10.7	10.0	107	10.7	10.0	107	78-119	1	20
1,1,1-Trichloroethane	8.75	10.0	88	8.95	10.0	90	71-125	2	20
Carbon Tetrachloride	9.52	10.0	95	9.41	10.0	94	69-130	1	20
1,1-Dichloropropene	10.2	10.0	102	9.83	10.0	98	77-114	3	20
Benzene	9.64	10.0	96	9.63	10.0	96	81-117	0	20
1,2-Dichloroethane	10.5	10.0	105	9.99	10.0	100	67-122	5	20
Trichloroethene	10.5	10.0	105	10.2	10.0	102	79-114	3	20
1,2-Dichloropropane	10.5	10.0	105	10.1	10.0	101	78-114	4	20
Dibromomethane	11.3	10.0	113	10.7	10.0	107	78-113	6	20
Bromodichloromethane	10.0	10.0	100	9.25	10.0	93	79-122	8	20
cis-1,3-Dichloropropene	11.6	10.0	116	10.9	10.0	109	82-118	6	20
4-Methyl-2-pentanone (MIBK)	45.5	40.0	114	41.6	40.0	104	75-115	9	20
Toluene	10.9	10.0	109	10.1	10.0	101	85-118	8	20
trans-1,3-Dichloropropene	11.4	10.0	114	10.6	10.0	106	79-121	7	20
1,1,2-Trichloroethane	10.6	10.0	106	9.82	10.0	98	79-116	8	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: BE&K Terranext
Project: WVB/#03103154
Sample Matrix: Water

Service Request: X2300257
Date Extracted: 04/02/2003
Date Analyzed: 04/02/2003

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: XWG0300444

Analyte Name	Lab Control Sample XWG0300444-3 Lab Control Spike Result	Expected	%Rec	Duplicate Lab Control Sample XWG0300444-4 Duplicate Lab Control Spike Result	Expected	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	10.5	10.0	105	9.88	10.0	99	76-127	6	20
2-Hexanone	41.7	40.0	104	39.9	40.0	100	65-120	4	20
1,3-Dichloropropane	10.8	10.0	108	9.91	10.0	99	81-116	8	20
Dibromochloromethane	10.6	10.0	106	9.73	10.0	97	77-119	8	20
1,2-Dibromoethane	10.4	10.0	104	10.2	10.0	102	79-116	2	20
Chlorobenzene	10.5	10.0	105	10.1	10.0	101	84-114	5	20
1,1,1,2-Tetrachloroethane	10.1	10.0	101	9.87	10.0	99	78-118	2	20
Ethylbenzene	10.6	10.0	106	10.4	10.0	104	79-124	3	20
m,p-Xylenes	21.7	20.0	109	21.1	20.0	106	75-131	3	20
o-Xylene	10.5	10.0	105	10.4	10.0	104	78-122	2	20
Styrene	10.8	10.0	108	10.7	10.0	107	80-126	1	20
Isopropylbenzene	10.3	10.0	103	10.3	10.0	103	75-126	1	20
Bromobenzene	11.0	10.0	110	11.6	10.0	116	82-122	5	20
1,2,3-Trichloropropane	11.1	10.0	111	11.1	10.0	111	77-118	0	20
n-Propylbenzene	10.4	10.0	104	10.6	10.0	106	75-129	2	20
2-Chlorotoluene	10.2	10.0	102	10.3	10.0	103	77-126	1	20
4-Chlorotoluene	10.6	10.0	106	10.6	10.0	106	82-120	0	20
1,3,5-Trimethylbenzene	10.4	10.0	104	10.7	10.0	107	75-130	3	20
tert-Butylbenzene	10.5	10.0	105	10.7	10.0	107	73-130	2	20
1,2,4-Trimethylbenzene	10.4	10.0	104	10.5	10.0	105	60-137	1	20
sec-Butylbenzene	9.80	10.0	98	10.2	10.0	102	68-131	4	20
1,3-Dichlorobenzene	10.4	10.0	104	10.6	10.0	106	71-137	2	20
4-Isopropyltoluene	10.4	10.0	104	10.7	10.0	107	68-134	3	20
Bromoform	10.3	10.0	103	9.62	10.0	96	70-118	7	20
1,1,2,2-Tetrachloroethane	11.5	10.0	115	11.1	10.0	111	72-122	3	20
1,4-Dichlorobenzene	10.4	10.0	104	10.1	10.0	101	82-114	3	20
1,2-Dichlorobenzene	10.0	10.0	100	10.0	10.0	100	81-118	0	20
n-Butylbenzene	10.1	10.0	101	10.1	10.0	101	71-125	0	20
1,2-Dibromo-3-chloropropane	9.76	10.0	98	11.1	10.0	111	55-131	12	20
1,2,4-Trichlorobenzene	10.0	10.0	100	10.3	10.0	103	75-123	3	20
Hexachlorobutadiene	10.9	10.0	109	10.8	10.0	108	63-140	1	20
Naphthalene	9.87	10.0	99	10.2	10.0	102	67-125	3	20
1,2,3-Trichlorobenzene	11.3	10.0	113	11.7	10.0	117	72-124	3	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 3, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the results of the samples submitted to our laboratory on March 21, 2003. For your reference, these analyses have been assigned our service request number L2300648.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson
Project Chemist

SA

000376

6925 Canoga Avenue • Canoga Park, CA 91303 • (818) 587-5550 • (818) 587-5555 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 11, 2003

Chuck Gordon
BE & K Terranext
9830 S. 51st A-127
Phoenix, AZ 85044

Re: WVB/Project #03103154

Dear Chuck:

Enclosed are the additional pages for the Tier III package for the samples submitted to our laboratory on March 21, 2003. For your reference, these analyses have been assigned our service request number L2300648.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report.

Columbia Analytical Services - is certified for environmental analyses by the Arizona Department of Health Services (certificate number: AZ0544 and AZ0136, expiration: May 23, 2003).

If you have any questions, please call me at (818) 587-5550, extension 309.

Respectfully submitted,

Columbia Analytical Services, Inc.

Sue Anderson

Sue Anderson
Project Chemist

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Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl-*tert*-Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	*Standard Methods for the Examination of Water and Wastewater*, 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	*Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL.
J	Estimated concentration. Analyte detected above MDL but below MRL.
B	Hit above MRL also found in Method Blank.
E	Analyte concentration above high point of ICAL.
N	Presumptive evidence of compound.
D	Result from dilution.
X	See case narrative.

000378

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	BE&K Terranext, LLC	**Service Request No.:**	L2300648
Project:	WVB/03103154	**Date Received:**	3/21/03
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed in accordance with our laboratory's quality assurance program. This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Additional quality control analyses reported herein include: Matrix/Duplicate Matrix Spike (MS/DMS) and Laboratory Control Sample (LCS).

All EPA recommended holding times have been met for analyses in this sample delivery group.

The following difficulties were experienced during analysis of this batch:

Metals, Method 6010B:

Result footnote for Matrix Spike/Duplicate Matrix Spike Summary page: M1 = Matrix spike recovery was high, the method control sample recovery was acceptable.

Approved by: _____ Date: 4/3/03

COLUMBIA ANALYTICAL SERVICES, INC.

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154

Service Request : L2300648

Sample Name :	Lab Code :
AVB40-0500-17093	L2300648-001
AVB40-0500-17093	L2300648-001S
AVB40-0500-17093	L2300648-001SD
AVB40-0700-16096	L2300648-002
AVB77-0300-07119	L2300648-003
AVB77-0100-07098	L2300648-004
AVB77-0400-07099	L2300648-005
AVB40-0600-07095	L2300648-006
AVB40-0800-01095	L2300648-007
AVB40-0804-1000	L2300648-008
Laboratory Control Sample	L2300648-LCS
Method Blank	L2300648-MB

Approved By: Sue Anderson Date: 4/3/03

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB40-0500-17093	**Units :**	ug/L (ppb)
Lab Code :	L2300648-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

000381

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB40-0500-17093	**Units :**	ug/L (ppb)
Lab Code :	L2300648-001	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000382

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB40-0700-16096	**Units :**	ng/L (ppb)
Lab Code :	L2300648-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	19	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB40-0700-16096	**Units :**	ug/L (ppb)
Lab Code :	L2300648-002	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000384

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Reqnest :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB77-0300-07119	**Units :**	ug/L (ppb)
Lab Code :	L2300648-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

000385

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB77-0300-07119	**Units :**	ug/L (ppb)
Lab Code :	L2300648-003	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000386

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB77-0100-07098	**Units :**	ug/L (ppb)
Lab Code :	L2300648-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	12	

000387

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB77-0100-07098	**Units :**	ug/L (ppb)
Lab Code :	L2300648-004	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB77-0400-07099	**Units :**	ug/L (ppb)
Lab Code :	L2300648-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	15	

000389

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Projeet No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB77-0400-07099	**Units :**	ug/L (ppb)
Lab Code :	L2300648-005	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000396

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB40-0600-07095	**Units :**	ug/L (ppb)
Lab Code :	L2300648-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB40-0600-07095	**Units :**	ug/L (ppb)
Lab Code :	L2300648-006	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB40-0800-01095	**Units :**	ug/L (ppb)
Lab Code :	L2300648-007	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

000393

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : BE&K Terranext, LLC
Project Name : WVB
Project No. : 03103154
Matrix : Water

Service Request : L2300648
Date Collected : 03/21/03
Date Received : 03/21/03
Date Extracted : 03/26/03

Dissolved Metals

Sample Name : AVB40-0800-01095
Lab Code : L2300648-007

Units : ug/L (ppb)
Basis : NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000394

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	AVB40-0804-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300648-008	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

000395

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03

Dissolved Metals

Sample Name :	AVB40-0804-1000	**Units :**	ug/L (ppb)
Lab Code :	L2300648-008	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10.0	04/01/03	ND	

000396

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03

Total Metals

Sample Name :	Method Blank	**Units :**	ug/L (ppb)
Lab Code :	L2300648-MB	**Basis :**	NA

Analyte	Analysis Method	MRL	Date Analyzed	Sample Result	Result Notes
Chromium	6010B	10	03/31/03	ND	

000397

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	NA
Project No. :	03103154	**Date Received :**	NA
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/31/03

Laboratory Control Sample Summary
Total Metals

Sample Name :	Laboratory Control Sample	**Units :**	ug/L (ppb)
Lab Code :	L2300648-LCS	**Basis :**	NA

Analyte	Analysis Method	True Value	Result	Percent	CAS Percent Recovery Acceptance Limits	Result Notes
Chromium	6010B	500	542	108	87-111	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client :	BE&K Terranext, LLC	**Service Request :**	L2300648
Project Name :	WVB	**Date Collected :**	03/21/03
Project No. :	03103154	**Date Received :**	03/21/03
Matrix :	Water	**Date Extracted :**	03/26/03
		Date Analyzed :	03/31/03

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name :	AVB40-0500-17093		**Units :**	ug/L (ppb)
Lab Code :	L2300648-001S	L2300648-001SD	**Basis :**	NA

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	MS	DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Chromium	3010A	6010B	10	500	500	ND	527	541	105	108	87-105	3	M1

000393

Columbia Analytical Services INC.
An Employee - Owned Company

L2300648

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308

DATE 3.21.03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154

PROJECT MANAGER Chuck Gordon

COMPANY/ADDRESS Bek

PHONE/FAX

SAMPLER'S SIGNATURE FOK

NUMBER OF CONTAINERS

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260 LL	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB40-0500-17093	3.21.03	6:20	257-001	AQ	HCl/HNO3	5		3											1	1			
AVB40-0700-16096	"	7:40	002	"	"	5		3											1	1			
AVB77-0300-07119	"	~~8:12~~ 9:10	003	"	"	5		3											1	1			
AVB77-0400-07098	"	~~9:48~~ 10:10	004	"	"	5		3											1	1			
AVB77-0400-07099	"	~~10:53~~ 10:55	005	"	"	5		3											1	1			
AVB40-0600-07095	"	~~11:50~~ 11:50	006	"	"	5		3											1	1			
AVB40-0800-01095	"	13:10	007	"	"	5		3											1	1			
AVB40-0804-10000	"	13:30	008	"	"	5		3											1	1			
~~AVB40-0802-10000~~ LL	"	—	009	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS

- ____ I. Routine Report
- ____ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- X III. Data Validation Report (includes All Raw Data)
- ____ IV. CLP Deliverable Report

INVOICE INFORMATION:

P.O.#

Bill To

SAMPLE RECEIPT:

Shipping ViA: Fedex

Shipping #:

Condition:

257

Lab No: ~~X23-00258~~

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	~~BEK~~	3.21.03 13:42	Leslie May	CAS	3-21-03 1342
Leslie May	CAS	3-21-03 1600	Fedex		
Fedex				CAS	~~3/21/03~~ 3/22/03 0940

ANALYSIS TAT *(Circle One)*

STANDARD

RUSH TAT - *Surcharges Apply*

☐ 24 Hours

☐ 48 Hours

☐ 72 Hours

LL

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

SAMPLE RECEIPT FORM

Service Request No: L2300648 Client: BE+K

Sample(s) delivered by: Client ____ CAS Emp ____ After Hours ____ DHL ____

Golden State Overnight ____ Fed X ✓ UPS ____ Other Courier ____

Chain of Custody filled out accurately? Yes ✓ No ____(See Comments)

Appropriate sample volume and containers? Yes ✓ No ____(See Comments)

Sufficient labeling on container(s) ? Yes ✓ No ____(See Comments)

Container(s) supplied by CAS? Yes ✓ No ____(See Comments)

Custody seal(s) intact? N/A ✓ Yes ____ No ____(See Comments)

Trip Blank(s) received Yes ____ No ✓

If Trip Blank was supplied by CAS, record serial # ____-TB-____

Temperature of sample(s)/cooler 4 °C Temp Blank? (Y) or N (Circle One)

Voa's Marked Preserved? Yes ____ No ____ Filled Properly? Yes ____ No ____ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ✓ Notified LK done ✓

RUSH Turn around time? Yes ____ Notified ____ Date & Time ____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl____	D.O____	Flash____	Diss S2-____	Ferrous Fe____
24HR	pH____	Odor____	Cr+6____		
48HR	BOD____	Color____	MBAS____	Nitrate____	
	Nitrite____	O-PO4____	Sett Sol____	Turbidity____	
72HR	Vapors____				

Notified ____ Date & Time ____

Container(s) received and their preservative(s):

-1 → -8 = 1-1L PL(NP) A
1-500ml PL(HNO3) B

Comments Filter & preserve diss metals bottle in lab.
Copy of Chain put in metals box 3/21/03 1000

Initials, Date, Time LK 3/21/03 1000 3/21/03

r:\sr_forms\cooler.doc Rev. 1/17/02

000401

Columbia Analytical Services INC.
An Employee - Owned Company

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

3902 East University Drive, Suite 4 • Phoenix, AZ 85034 • (602) 437-2001 • (800) 695-7222 x09 • FAX (602) 437-5308 DATE 3-21-03 PAGE 1 OF 1

PROJECT NAME WVB # 03103154
PROJECT MANAGER Chuck Gordon
COMPANY/ADDRESS Beak
PHONE/FAX
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	PRESERVATION	NUMBER OF CONTAINERS	BTEX 602/8021	Volatile Organics GC/MS 624/8260	Halogenated Volatile Organics 601/8021	Halogenated & Aromatic Volatiles 601/602 ☐ 8021 ☐	TPH/8015AZ R1 C_{10}-C_{32}	Total Petroleum Hydrocarbons EPA 418.1 / 418.1 AZ	Base Neutral Acid Organics GC/MS 625/8270	8RCRA Metals Total ☐ TCLP ☐	Lead Total ☐ TCLP ☐	Flash Point ☐ pH ☐ Paint Filter ☐	TVPH as Gasoline 8015 AZ C_6-C_{10}	PAH 8310 ☐ 8270 ☐	TOTAL Cr	DISS Cr			REMARKS
AVB40-0500-17093	3-21-03	6:20	257-001	AQ	HCl/H2O	5		3											1	1			
AVB40-0700-16096	"	7:40	002	"	"	5		3											1	1			
AVB77-0300-07119	"	~~8:12~~ 9:10	003	"	"	5		3											1	1			
AVB77-0400-07098	"	~~9:48~~ 10:40	004	"	"	5		3											1	1			
AVB77-0400-07099	"	~~10:55~~ 10:55	005	"	"	5		3											1	1			
AVB40-0600-07095	"	~~11:50~~ 11:50	006	"	"	5		3											1	1			
AVB40-0800-01095	"	13:10	007	"	"	5		3											1	1			
AVB40-0804-10000	"	13:30	008	"	"	5		3											1	1			
AVB40-0802-WDD	"	—	009	"	HCl	1		1															

SPECIAL INSTRUCTIONS/COMMENTS:

REPORT REQUIREMENTS
- ___ I. Routine Report
- ___ II. Report (includes DUP.MS. MSD, as required, may be charged as samples)
- X III. Data Validation Report (includes All Raw Data)
- ___ IV. CLP Deliverable Report

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Shipping VIA:
Shipping #:
Condition:
Lab No: X23-00257 (257)

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Beak 3-21-03	3-21-03 13:42	Leslie May	CAS	3-21-03 1342
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time

ANALYSIS TAT *(Circle One)*
STANDARD
RUSH TAT - *Surcharges Apply*
☐ 24 Hours
☐ 48 Hours
☐ 72 Hours

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator

0702

3-21-03 C

X230 0257

Columbia Analytical Services, Inc.
Phoenix, AZ

Sample Receipt and Preservation Form

Client: BE+K Project Name: WUB

Sample(s) Received on: 3-21-03 date 1330 time

VOA's ☑ Glass Bottles ☐ Plastic Bottles ☑ Jars ☐ Sleeves ☐

MATRIX: SOIL ☐ WATER ☑

First Extraction Holding Time Expiration: _____ date _____ time (soils only)

Is first extraction/analysis holding time expiration LESS THAN 24 HOURS(soil)/7 DAYS (water)? Yes ☐ No ☐

If YES, chemist notified on: _____ date _____ time _____ Chemist's Initials

1. Rush or standard turn-a-round time?	RUSH / STANDARD
2. Are the custody seals present? If yes, how many and where? _____	Yes ☐ No ☐
3. Are the signature and date correct?	Yes ☑ No ☐
4. Did all containers arrive in good condition?	Yes ☑ No ☐
5. Are all container labels complete (i.e. preservation, sample ID)?	Yes ☑ No ☐
6. Were the correct containers used for the tests indicated?	Yes ☑ No ☐
7. Have VOA's been checked for the presence of air bubbles? (note problems in comments)	Yes ☑ No ☐ N/A ☐
8. Temperature of sample(s) upon receipt: 16 °C	

Explaination of discrepancies: _____

		YES	NO
pH	Reagent		
12	NaOH		
2	HNO_3	✓	
2	H_2SO_4		

VOA Vial pH Verification
(Tested After Analysis)
☐ All Samples pH ≤ 2
☐ Following Samples Exhibited pH > 2

Comments: _____

Form Completed and Sample(s) Received by (initials): LM

TRANSWEST
GEOCHEM

May 22, 2003

Jeff C. Yentes
Hargis and Associates
1640 S. Stapley, Suite 124
Mesa, AZ 85204

RE: ChemResearch/525.11
Work Order No.: 0304431

Dear Jeff,

Transwest Geochem, Inc. received 8 samples on 4/29/2003 2:00:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Matt Hill
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 22-May-03

Client:	Hargis and Associates
Work Order:	0304431
Project Name:	ChemResearch
Project Number:	525.11

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Metals were analyzed using multi-element ICP instrumentation. Some metals reported in the QC report may not be associated with this Work Order.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 1.0 05/13/2002.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

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TRANSWEST GEOCHEM

Date Printed 21-May-03
License No. AZM133/AZ0133

CLIENT:	Hargis and Associates
Project Name:	ChemResearch
Project Number:	525.11
Work Order:	0304431
Date Received:	29-Apr-03

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D2	Sample required dilution due to high concentration of target analyte.

TRANSWEST GEOCHEM

Date Printed 21-May-03
License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Project Name: ChemResearch
Project Number: 525.11
Work Order: 0304431
Date Received: 29-Apr-03

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
TB-042903	0304431-01A	SW8260B	4/29/2003 7:00:00 AM
WVB-2	0304431-02A	SW8260B	4/29/2003 8:00:00 AM
	0304431-02B	Calculation	4/29/2003 8:00:00 AM
		SM3500-Cr D	4/29/2003 8:00:00 AM
	0304431-02C	EPA200.7	4/29/2003 8:00:00 AM
		EPA200.9	4/29/2003 8:00:00 AM
	0304431-02D	SM4500-CN CE	4/29/2003 8:00:00 AM
AVB88-01	0304431-03A	SW8260B	4/29/2003 9:15:00 AM
	0304431-03B	Calculation	4/29/2003 9:15:00 AM
		SM3500-Cr D	4/29/2003 9:15:00 AM
	0304431-03C	EPA200.7	4/29/2003 9:15:00 AM
		EPA200.9	4/29/2003 9:15:00 AM
	0304431-03D	SM4500-CN CE	4/29/2003 9:15:00 AM
WVB-4	0304431-04A	SW8260B	4/29/2003 10:05:00 AM
	0304431-04B	Calculation	4/29/2003 10:05:00 AM
		SM3500-Cr D	4/29/2003 10:05:00 AM
	0304431-04C	EPA200.7	4/29/2003 10:05:00 AM
		EPA200.9	4/29/2003 10:05:00 AM
	0304431-04D	SM4500-CN CE	4/29/2003 10:05:00 AM
WVB-1	0304431-05A	SW8260B	4/29/2003 10:45:00 AM
	0304431-05B	Calculation	4/29/2003 10:45:00 AM
		SM3500-Cr D	4/29/2003 10:45:00 AM
	0304431-05C	EPA200.7	4/29/2003 10:45:00 AM
		EPA200.9	4/29/2003 10:45:00 AM
	0304431-05D	SM4500-CN CE	4/29/2003 10:45:00 AM
CMW-3	0304431-06A	SW8260B	4/29/2003 11:45:00 AM
	0304431-06B	Calculation	4/29/2003 11:45:00 AM
		SM3500-Cr D	4/29/2003 11:45:00 AM
	0304431-06C	EPA200.7	4/29/2003 11:45:00 AM
		EPA200.9	4/29/2003 11:45:00 AM
	0304431-06D	SM4500-CN CE	4/29/2003 11:45:00 AM
CMW-5	0304431-07A	SW8260B	4/29/2003 12:30:00 PM
	0304431-07B	Calculation	4/29/2003 12:30:00 PM
		SM3500-Cr D	4/29/2003 12:30:00 PM

CLIENT:	Hargis and Associates
Project Name:	ChemResearch
Project Number:	525.11
Work Order:	0304431
Date Received:	29-Apr-03

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
CMW-5	0304431-07C	EPA200.7	4/29/2003 12:30:00 PM
		EPA200.9	4/29/2003 12:30:00 PM
	0304431-07D	SM4500-CN CE	4/29/2003 12:30:00 PM
CMW-1	0304431-08A	SW8260B	4/29/2003 1:20:00 PM
	0304431-08B	Calculation	4/29/2003 1:20:00 PM
		SM3500-Cr D	4/29/2003 1:20:00 PM
	0304431-08C	EPA200.7	4/29/2003 1:20:00 PM
		EPA200.9	4/29/2003 1:20:00 PM
	0304431-08D	SM4500-CN CE	4/29/2003 1:20:00 PM

TRANSWEST GEOCHEM

Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Project Name: ChemResearch
Project Number: 525.11
Work Order: 0304431
Date Received: 29-Apr-03

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-01
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: TB-042903
Collection Date: 4/29/2003 7:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B

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TRANSWEST GEOCHEM

Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-01
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: TB-042903
Collection Date: 4/29/2003 7:00:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
4-Bromofluorobenzene(Surrogate)	92	80-107		%REC	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Dibromofluoromethane(Surrogate)	91	77-104		%REC	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
1,2-Dichloroethane-d4(Surrogate)	85	72-111		%REC	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B
Toluene-d8(Surrogate)	93	84-105		%REC	1.0	SW8260B	N/A	5/12/03 18:37	JH	N30512B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-02
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-2
Collection Date: 4/29/2003 8:00:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.020	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/12/03	5/12/03	KMB	CN_W-5/12/2003
Trivalent Chromium	2.8	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	2.8	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	0.22	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	0.0075	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-02
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-2
Collection Date: 4/29/2003 8:00:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Methyl tert-butyl ether	9.3	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
4-Bromofluorobenzene(Surrogate)	90	80-107		%REC	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Dibromofluoromethane(Surrogate)	92	77-104		%REC	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	89	72-111		%REC	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B
Toluene-d8(Surrogate)	94	84-105		%REC	1.0	SW8260B	N/A	5/9/03 12:59	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-03
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: AVB88-01
Collection Date: 4/29/2003 9:15:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	0.036	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/12/03	5/12/03	KMB	CN_W-5/12/2003
Trivalent Chromium	<0.050	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-03
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: AVB88-01
Collection Date: 4/29/2003 9:15:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Tetrachloroethene	63	2.5	D2	µg/L	5.0	SW8260B	N/A	5/12/03 13:28	JH	N30512B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Trichloroethene	2.4	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
4-Bromofluorobenzene(Surrogate)	93	80-107		%REC	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Dibromofluoromethane(Surrogate)	95	77-104		%REC	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	93	72-111		%REC	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B
Toluene-d8(Surrogate)	97	84-105		%REC	1.0	SW8260B	N/A	5/9/03 13:38	JH	N30509B

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TRANSWEST GEOCHEM

Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-04
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-4
Collection Date: 4/29/2003 10:05:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.020	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Trivalent Chromium	<0.050	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-04
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-4
Collection Date: 4/29/2003 10:05:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1,1;2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Tetrachloroethene	240	5.0	D2	µg/L	10	SW8260B	N/A	5/12/03 14:07	JH	N30512B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Trichloroethene	0.62	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
4-Bromofluorobenzene(Surrogate)	90	80-107		%REC	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	91	72-111		%REC	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B
Toluene-d8(Surrogate)	94	84-105		%REC	1.0	SW8260B	N/A	5/9/03 14:17	JH	N30509B

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Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-05
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-1
Collection Date: 4/29/2003 10:45:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.020	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Trivalent Chromium	0.53	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	0.53	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	0.19	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-05
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: WVB-1
Collection Date: 4/29/2003 10:45:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Methyl tert-butyl ether	5.3	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
4-Bromofluorobenzene(Surrogate)	94	80-107		%REC	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Dibromofluoromethane(Surrogate)	95	77-104		%REC	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
1,2-Dichloroethane-d4(Surrogate)	90	72-111		%REC	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B
Toluene-d8(Surrogate)	96	84-105		%REC	1.0	SW8260B	N/A	5/12/03 12:50	JH	N30512B

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Date Printed 21-May-03

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-06
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-3
Collection Date: 4/29/2003 11:45:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.020	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Trivalent Chromium	<0.050	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1-Dichloroethene	0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-06
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-3
Collection Date: 4/29/2003 11:45:00 AM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Tetrachloroethene	28	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Trichloroethene	0.59	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
4-Bromofluorobenzene(Surrogate)	91	80-107		%REC	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	92	72-111		%REC	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B
Toluene-d8(Surrogate)	95	84-105		%REC	1.0	SW8260B	N/A	5/9/03 15:34	JH	N30509B

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CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-07
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-5
Collection Date: 4/29/2003 12:30:00 PM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	0.030	0.020		mg/L	1.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Trivalent Chromium	<0.050	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B

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TRANSWEST GEOCHEM

Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-07
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-5
Collection Date: 4/29/2003 12:30:00 PM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Tetrachloroethene	26	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
4-Bromofluorobenzene(Surrogate)	92	80-107		%REC	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	91	72-111		%REC	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B
Toluene-d8(Surrogate)	95	84-105		%REC	1.0	SW8260B	N/A	5/9/03 16:13	JH	N30509B

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Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-08
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-1
Collection Date: 4/29/2003 1:20:00 PM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	0.54	0.080	D2	mg/L	4.0	SM3500-Cr D	N/A	4/30/03 07:44	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1.0	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Trivalent Chromium	<0.050	0.050		mg/L	1.0	Calculation	N/A	5/9/03	NMM	CR3_W-5/9/2003
Cadmium	<0.02	0.02		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	0.48	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1.0	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1.0	EPA200.9	5/1/03	5/12/03	KMB	6135A
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B

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Date Printed 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Lab ID: 0304431-08
Project Name: ChemResearch
Project Number: 525.11

Client Sample ID: CMW-1
Collection Date: 4/29/2003 1:20:00 PM
Matrix: GROUNDWATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Tetrachloroethene	51	1.0	D2	µg/L	2.0	SW8260B	N/A	5/12/03 14:45	JH	N30512B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
4-Bromofluorobenzene(Surrogate)	91	80-107		%REC	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Dibromofluoromethane(Surrogate)	94	77-104		%REC	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
1,2-Dichloroethane-d4(Surrogate)	92	72-111		%REC	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B
Toluene-d8(Surrogate)	95	84-105		%REC	1.0	SW8260B	N/A	5/9/03 16:52	JH	N30509B

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TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Chromium, Hexavalent	<0.020	0.020		mg/L	1	SM3500-Cr D	N/A	4/30/03 7:44:00 AM	NMM	CR6_W-4/30/2003
Cyanide, Total	<0.010	0.010		mg/L	1	SM4500-CN CE	5/12/03	5/12/03	KMB	CN_W-5/12/2003
Cyanide, Total	<0.010	0.010		mg/L	1	SM4500-CN CE	5/13/03	5/13/03	KMB	CN_W-5/13/2003
Cadmium	<0.02	0.02		mg/L	1	EPA200.7	5/5/03	5/6/03	AD	6146A
Chromium	<0.05	0.05		mg/L	1	EPA200.7	5/5/03	5/6/03	AD	6146A
Nickel	<0.05	0.05		mg/L	1	EPA200.7	5/5/03	5/6/03	AD	6146A
Lead	<0.0030	0.0030		mg/L	1	EPA200.9	5/1/03	5/12/03	KMB	6135A

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
4-Bromofluorobenzene	94	80-107		%REC	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Dibromofluoromethane	94	77-104		%REC	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
1,2-Dichloroethane-d4	91	72-111		%REC	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B
Toluene-d8	97	84-105		%REC	1	SW8260B	N/A	5/9/03 11:02:00 AM	JH	N30509B

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
4-Bromofluorobenzene	94	80-107		%REC	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Dibromofluoromethane	93	77-104		%REC	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
1,2-Dichloroethane-d4	90	72-111		%REC	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B
Toluene-d8	95	84-105		%REC	1	SW8260B	N/A	5/12/03 12:05:00 PM	JH	N30512B

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0304431-07BS**	Batch ID: CR6_W-4/30/2003			Test Code: SM3500-Cr D				Date Analyzed: 04/30/03 07:44			
Client ID: **CMW-5**				Units: mg/L				Date Prepared: N/A			
Chromium, Hexavalent	0.1306	0.020	0.1000	0.02960	101%	80	120				
Sample ID: **0304431-07BSD**	Batch ID: CR6_W-4/30/2003			Test Code: SM3500-Cr D				Date Analyzed: 04/30/03 07:44			
Client ID: **CMW-5**				Units: mg/L				Date Prepared: N/A			
Chromium, Hexavalent	0.1308	0.020	0.1000	0.02960	101%	80	120	0.1306	0%	20	
Sample ID: **0304431-03DSD**	Batch ID: CN_W-5/12/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/12/03 00:00			
Client ID: **AVB88-01**				Units: mg/L				Date Prepared: 5/12/03			
Cyanide, Total	0.1387	0.010	0.1250	<0.010	111%	68	125	0.1355	2%	14	
Sample ID: **0304408-05DS**	Batch ID: CN_W-5/12/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/12/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/12/03			
Cyanide, Total	0.1107	0.010	0.1250	<0.010	89%	68	125				
Sample ID: **0304431-03DS**	Batch ID: CN_W-5/12/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/12/03 00:00			
Client ID: **AVB88-01**				Units: mg/L				Date Prepared: 5/12/03			
Cyanide, Total	0.1355	0.010	0.1250	<0.010	108%	68	125				
Sample ID: **0304408-05DSD**	Batch ID: CN_W-5/12/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/12/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/12/03			
Cyanide, Total	0.1156	0.010	0.1250	<0.010	92%	68	125	0.1107	4%	14	
Sample ID: **0304459-01ASD**	Batch ID: CN_W-5/13/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/13/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/13/03			
Cyanide, Total	0.1106	0.010	0.1250	<0.010	88%	68	125	0.1089	2%	14	
Sample ID: **0304459-01AS**	Batch ID: CN_W-5/13/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/13/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/13/03			
Cyanide, Total	0.1089	0.010	0.1250	<0.010	87%	68	125				
Sample ID: **0304431-04DSD**	Batch ID: CN_W-5/13/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/13/03 00:00			
Client ID: **WVB-4**				Units: mg/L				Date Prepared: 5/13/03			
Cyanide, Total	0.1386	0.010	0.1250	<0.010	111%	68	125	0.1370	1%	14	
Sample ID: **0304431-04DS**	Batch ID: CN_W-5/13/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/13/03 00:00			
Client ID: **WVB-4**				Units: mg/L				Date Prepared: 5/13/03			
Cyanide, Total	0.1370	0.010	0.1250	<0.010	110%	68	125				

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0304433-01CSD**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9228	0.02	1.000	<0.02	92%	70	130	0.9290	1%	20	
Chromium	0.9276	0.05	1.000	<0.05	93%	70	130	0.9307	0%	20	
Nickel	1.174	0.05	1.000	0.1981	98%	70	130	1.178	0%	20	
Sample ID: **0304433-01CS**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9290	0.02	1.000	<0.02	93%	70	130				
Chromium	0.9307	0.05	1.000	<0.05	93%	70	130				
Nickel	1.178	0.05	1.000	0.1981	98%	70	130				
Sample ID: **0304431-08CSD**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
Client ID: **CMW-1**				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9266	0.02	1.000	<0.02	93%	70	130	0.9182	1%	20	
Chromium	1.387	0.05	1.000	0.4797	91%	70	130	1.381	0%	20	
Nickel	0.9969	0.05	1.000	<0.05	100%	70	130	0.9913	1%	20	
Sample ID: **0304431-08CS**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
Client ID: **CMW-1**				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9182	0.02	1.000	<0.02	92%	70	130				
Chromium	1.381	0.05	1.000	0.4797	90%	70	130				
Nickel	0.9913	0.05	1.000	<0.05	99%	70	130				
Sample ID: **0304408-01CS**	Batch ID: 6135A			Test Code: EPA200.9				Date Analyzed: 05/12/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/1/03			
Lead	0.01641	0.0030	0.01500	<0.0030	109%	70	130				
Sample ID: **0304408-01CSD**	Batch ID: 6135A			Test Code: EPA200.9				Date Analyzed: 05/12/03 00:00			
Client ID:				Units: mg/L				Date Prepared: 5/1/03			
Lead	0.01596	0.0030	0.01500	<0.0030	106%	70	130	0.01641	3%	20	
Sample ID: **0304408-01AS**	Batch ID: N30509B			Test Code: SW8260B				Date Analyzed: 05/09/03 18:09			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.39	0.50	20.00	<0.50	107%	82	119				
Chlorobenzene	20.39	0.50	20.00	<0.50	102%	82	110				
1,1-Dichloroethene	24.25	0.50	20.00	<0.50	121%	84	140				
Toluene	20.97	3.0	20.00	<3.0	105%	81	114				
Trichloroethene	20.97	0.50	20.00	<0.50	105%	78	119				
4-Bromofluorobenzene	36.82	N/A	39.90	N/A	92%	80	107				
Dibromofluoromethane	37.60	N/A	39.90	N/A	94%	77	104				
1,2-Dichloroethane-d4	36.37	N/A	39.90	N/A	91%	72	111				
Toluene-d8	37.36	N/A	39.90	N/A	94%	84	105				

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0304408-01ASD**	Batch ID: N30509B			Test Code: SW8260B				Date Analyzed: 05/09/03 18:47			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.40	0.50	20.00	<0.50	107%	82	119	21.39	0%	13	
Chlorobenzene	20.51	0.50	20.00	<0.50	103%	82	110	20.39	1%	13	
1,1-Dichloroethene	24.42	0.50	20.00	<0.50	122%	84	140	24.25	1%	15	
Toluene	21.37	3.0	20.00	<3.0	107%	81	114	20.97	2%	14	
Trichloroethene	20.89	0.50	20.00	<0.50	104%	78	119	20.97	0%	16	
4-Bromofluorobenzene	36.15	N/A	39.90	N/A	91%	80	107				
Dibromofluoromethane	37.38	N/A	39.90	N/A	94%	77	104				
1,2-Dichloroethane-d4	35.60	N/A	39.90	N/A	89%	72	111				
Toluene-d8	37.38	N/A	39.90	N/A	94%	84	105				
Sample ID: **0304408-04AS**	Batch ID: N30512B			Test Code: SW8260B				Date Analyzed: 05/12/03 17:20			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.40	0.50	20.00	<0.50	107%	82	119				
Chlorobenzene	20.70	0.50	20.00	<0.50	104%	82	110				
1,1-Dichloroethene	23.49	0.50	20.00	<0.50	117%	84	140				
Toluene	21.35	3.0	20.00	<3.0	107%	81	114				
Trichloroethene	20.92	0.50	20.00	<0.50	105%	78	119				
4-Bromofluorobenzene	37.64	N/A	39.90	N/A	94%	80	107				
Dibromofluoromethane	37.58	N/A	39.90	N/A	94%	77	104				
1,2-Dichloroethane-d4	35.10	N/A	39.90	N/A	88%	72	111				
Toluene-d8	37.79	N/A	39.90	N/A	95%	84	105				
Sample ID: **0304408-04ASD**	Batch ID: N30512B			Test Code: SW8260B				Date Analyzed: 05/12/03 17:59			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.37	0.50	20.00	<0.50	107%	82	119	21.40	0%	13	
Chlorobenzene	20.58	0.50	20.00	<0.50	103%	82	110	20.70	1%	13	
1,1-Dichloroethene	23.44	0.50	20.00	<0.50	117%	84	140	23.49	0%	15	
Toluene	21.29	3.0	20.00	<3.0	106%	81	114	21.35	0%	14	
Trichloroethene	21.09	0.50	20.00	<0.50	105%	78	119	20.92	1%	16	
4-Bromofluorobenzene	36.87	N/A	39.90	N/A	92%	80	107				
Dibromofluoromethane	36.45	N/A	39.90	N/A	91%	77	104				
1,2-Dichloroethane-d4	34.02	N/A	39.90	N/A	85%	72	111				
Toluene-d8	36.79	N/A	39.90	N/A	92%	84	105				

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSD**	Batch ID: CR6_W-4/30/2003			Test Code: SM3500-Cr D				Date Analyzed: 04/30/03 07:44			
				Units: mg/L				Date Prepared: N/A			
Chromium, Hexavalent	0.1023	0.020	0.1000	<0.020	102%	85	115	0.1020	0%	20	
Sample ID: **LCS**	Batch ID: CR6_W-4/30/2003			Test Code: SM3500-Cr D				Date Analyzed: 04/30/03 07:44			
				Units: mg/L				Date Prepared: N/A			
Chromium, Hexavalent	0.1020	0.020	0.1000	<0.020	102%	85	115				
Sample ID: **LCS**	Batch ID: CN_W-5/12/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/12/03 00:00			
				Units: mg/L				Date Prepared: 5/12/03			
Cyanide, Total	0.1254	0.010	0.1250	<0.010	100%	72	124				
Sample ID: **LCS**	Batch ID: CN_W-5/13/2003			Test Code: SM4500-CN CE				Date Analyzed: 05/13/03 00:00			
				Units: mg/L				Date Prepared: 5/13/03			
Cyanide, Total	0.1159	0.010	0.1250	<0.010	93%	72	124				
Sample ID: **LCSD-6146**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9773	0.02	1.000	<0.02	98%	85	115	0.9538	2%	20	
Chromium	0.9515	0.05	1.000	<0.05	95%	85	115	0.9354	2%	20	
Nickel	1.044	0.05	1.000	<0.05	104%	85	115	1.017	3%	20	
Sample ID: **LCS-6146**	Batch ID: 6146A			Test Code: EPA200.7				Date Analyzed: 05/06/03 00:00			
				Units: mg/L				Date Prepared: 5/5/03			
Cadmium	0.9538	0.02	1.000	<0.02	95%	85	115				
Chromium	0.9354	0.05	1.000	<0.05	94%	85	115				
Nickel	1.017	0.05	1.000	<0.05	102%	85	115				
Sample ID: **LCSD-6135**	Batch ID: 6135A			Test Code: EPA200.9				Date Analyzed: 05/12/03 00:00			
				Units: mg/L				Date Prepared: 5/1/03			
Lead	0.01619	0.0030	0.01500	<0.0030	108%	85	115	0.01573	3%	20	
Sample ID: **LCS-6135**	Batch ID: 6135A			Test Code: EPA200.9				Date Analyzed: 05/12/03 00:00			
				Units: mg/L				Date Prepared: 5/1/03			
Lead	0.01573	0.0030	0.01500	<0.0030	105%	85	115				

Confidential and Privileged

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Secondary Source Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-N30509A**	Batch ID: N30509B			Test Code: SW8260B				Date Analyzed: 05/09/03 09:45			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.78	0.50	20.00	<0.50	104%	81	120				
Chlorobenzene	19.95	0.50	20.00	<0.50	100%	85	111				
1,1-Dichloroethene	22.36	0.50	20.00	<0.50	112%	66	151				
Toluene	20.60	3.0	20.00	<3.0	103%	82	115				
Trichloroethene	20.05	0.50	20.00	<0.50	100%	79	112				
4-Bromofluorobenzene	35.45	N/A	39.90	N/A	89%	80	107				
Dibromofluoromethane	36.32	N/A	39.90	N/A	91%	77	104				
1,2-Dichloroethane-d4	35.15	N/A	39.90	N/A	88%	72	111				
Toluene-d8	36.75	N/A	39.90	N/A	92%	84	105				
Sample ID: **LCSVD-N30509A**	Batch ID: N30509B			Test Code: SW8260B				Date Analyzed: 05/09/03 10:23			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.98	0.50	20.00	<0.50	100%	81	120	20.78	4%	16	
Chlorobenzene	19.38	0.50	20.00	<0.50	97%	85	111	19.95	3%	14	
1,1-Dichloroethene	21.21	0.50	20.00	<0.50	106%	66	151	22.36	5%	16	
Toluene	19.50	3.0	20.00	<3.0	98%	82	115	20.60	5%	16	
Trichloroethene	19.36	0.50	20.00	<0.50	97%	79	112	20.05	4%	18	
4-Bromofluorobenzene	35.97	N/A	39.90	N/A	90%	80	107				
Dibromofluoromethane	36.86	N/A	39.90	N/A	92%	77	104				
1,2-Dichloroethane-d4	35.08	N/A	39.90	N/A	88%	72	111				
Toluene-d8	36.84	N/A	39.90	N/A	92%	84	105				
Sample ID: **LCSV-N30512A**	Batch ID: N30512B			Test Code: SW8260B				Date Analyzed: 05/12/03 10:48			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.14	0.50	20.00	<0.50	101%	81	120				
Chlorobenzene	19.69	0.50	20.00	<0.50	98%	85	111				
1,1-Dichloroethene	21.49	0.50	20.00	<0.50	107%	66	151				
Toluene	20.04	3.0	20.00	<3.0	100%	82	115				
Trichloroethene	19.50	0.50	20.00	<0.50	98%	79	112				
4-Bromofluorobenzene	36.74	N/A	39.90	N/A	92%	80	107				
Dibromofluoromethane	36.90	N/A	39.90	N/A	92%	77	104				
1,2-Dichloroethane-d4	34.70	N/A	39.90	N/A	87%	72	111				
Toluene-d8	36.83	N/A	39.90	N/A	92%	84	105				

TRANSWEST GEOCHEM

Date: 21-May-03

License No. AZM133/AZ0133

CLIENT: Hargis and Associates
Work Order: 0304431
Project: ChemResearch/525.11

QC SUMMARY REPORT

Secondary Source Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD-N30512A**	Batch ID: N30512B			Test Code: SW8260B				Date Analyzed: 05/12/03 11:26			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.87	0.50	20.00	<0.50	104%	81	120	20.14	4%	16	
Chlorobenzene	20.09	0.50	20.00	<0.50	100%	85	111	19.69	2%	14	
1,1-Dichloroethene	22.17	0.50	20.00	<0.50	111%	66	151	21.49	3%	16	
Toluene	20.62	3.0	20.00	<3.0	103%	82	115	20.04	3%	16	
Trichloroethene	20.20	0.50	20.00	<0.50	101%	79	112	19.50	4%	18	
4-Bromofluorobenzene	37.65	N/A	39.90	N/A	94%	80	107				
Dibromofluoromethane	37.07	N/A	39.90	N/A	93%	77	104				
1,2-Dichloroethane-d4	35.12	N/A	39.90	N/A	88%	72	111				
Toluene-d8	37.42	N/A	39.90	N/A	94%	84	105				

HARGIS + ASSOCIATES, INC.

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST FORM

0304431

DATE 4.28.03 PAGE 1 OF 1

PROJECT NAME: Cham Research
PROJECT No./TASK No.: 525.11
PROJECT MANAGER: Jeffery C Yentes
Phone No. (480) 345-0888
QA MANAGER: Jeffery C Yentes
FAX No. 730-0508
SAMPLER (SIGNATURE): Jeffery C Yentes
SAMPLER (PRINTED): Jeffery C Yentes

LAB ID	SAMPLE ID	SAMPLE COLLECTION Date	Time	MATRIX: Soil	Ground-water	Surface water	PRESERVATION: HCl	HNO3	NaOH	H2SO4	Ice	SAMPLE CONTAINERS: 40 ml vial	500 ml Poly	1 L poly	ANALYSES REQUESTED: EPA 8260B	Hex Cr SM3500 Cr D	200.7: Cr, Cd, Ni; 200.8: Pb	Tannabent: Cr, Calc.	SM 4500 CN	ESTIMATED CONCENTRATION RANGE (ppb) FOR VOA'S: 24-hr holding time	SPECIAL HANDLING	LABORATORY INFORMATION / REMARKS
1	TB-042903	4.29.03	0700				X	X				X			X							
2	WVB-2	"	0800		X			X	X	X		X	3	2	1	X	X	X	X	X	X		
3	AVB88-01	"	0915		X			X	X	X		X	3	2	1	X	X	X	X	X	X		
4	WVB-4	"	1005		X			X	X	X		X	3	2	1	X	X	X	X	X	X		
5	WVB-1	"	1045		X			X	X	X		X	3	2	1	X	X	X	X	X	X		
6	CMW-3	"	1145		X			X	X	X		X	3	2	1	X	X	X	X	X	X		
7	CMW-4S	"	1230		X			X	X	X		X	3	2	1	X	X	X	X	X	X		* changed per J.Y. 4/29/03 16:51
8	CMW-1	"	1320		X			X	X	X		X	3	2	1	X	X	X	X	X	X		

Transwest Geochem

Total number of Containers per analysis:

Total No. of Containers: 11

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Company
	4/29/03	1400	H+A		4/29/03	1400	TGI

Relinquished by:	Date	Time	Company	Received by:	Date	Time	Laboratory

INSTRUCTIONS

1. Fill out form completely except for shaded areas (lab use only); sign only after verified for completeness.
2. Complete in ballpoint pen. Draw one line through errors, initial and date correction.
3. Indicate number of sample containers in analysis request space; indicate choice with ✓ or x.
4. Note applicable preservatives, special instructions, and deviations from typical environmental samples.
5. Consult project QA documents for specific instructions.

Sample Receipt: 1.1° wet
☒ No. of containers correct ☒ received good condition/cold
☐ custody seals secure ☐ conforms to COC document

Shipment Method: hand delivered
Send Results to: Jeff Yentes

☐ 2365 NORTHSIDE DRIVE, SUITE C-100 SAN DIEGO, CA 92108 (619) 521-0165
1640 E. Stapley, Ste 124
☒ 1400 EAST SOUTHERN AVENUE, SUITE 620 TEMPE, AZ 85282 (480) 345-0888
Mesa 85204
☐ 1820 EAST RIVER ROAD, SUITE 100 TUCSON, AZ 85718 (520) 881-7300

Send invoice to San Diego, CA
Attn: Accounts Payable

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project: 007-1992-08

Sampled: 06/27/03
Received: 06/27/03
Issued: 07/11/03

AZ DHS #AZ0426

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°C, on ice and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

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

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

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
PMF0803-01	MW-11a	Water
PMF0803-02	MW-12	Water
PMF0803-03	MW-14	Water

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-01 (MW-11a - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	P3G1009	20	ND	1	7/10/2003	7/10/2003	
Benzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Bromobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromochloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromodichloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Bromoform	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromomethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Butanone (MEK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
n-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
sec-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
tert-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon Disulfide	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon tetrachloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Chloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chloroform	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Chloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Dibromochloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Dibromomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,4-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Dichlorodifluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloroethane	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
cis-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
2,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
cis-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Ethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Hexachlorobutadiene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-01 (MW-11a - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Iodomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Isopropylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
p-Isopropyltoluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Methylene chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Naphthalene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
n-Propylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Styrene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Tetrachloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Toluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,4-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,1-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,2-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichlorofluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichloropropane	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
1,2,4-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3,5-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Vinyl acetate	EPA 8260B	P3G1009	25	ND	1	7/10/2003	7/10/2003	
Vinyl chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Xylenes, Total	EPA 8260B	P3G1009	3.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*104 %*				
Surrogate: Toluene-d8 (80-125%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*106 %*				
Sample ID: PMF0803-01RE1 (MW-11a - Water)								
Reporting Units: ug/l								
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P3G1005	1.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*106 %*				
Surrogate: Toluene-d8 (80-125%)				*110 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*102 %*				

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Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-02 (MW-12 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	P3G1009	20	ND	1	7/10/2003	7/10/2003	
Benzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Bromobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromochloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromodichloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Bromoform	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromomethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Butanone (MEK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
n-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
sec-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
tert-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon Disulfide	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon tetrachloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Chloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chloroform	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Chloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Dibromochloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Dibromomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,4-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Dichlorodifluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloroethane	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
cis-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
2,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
cis-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Ethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Hexachlorobutadiene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	

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Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-02 (MW-12 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Iodomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Isopropylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
p-Isopropyltoluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Methylene chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Naphthalene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
n-Propylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Styrene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Tetrachloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Toluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,4-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,1-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,2-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichlorofluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichloropropane	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
1,2,4-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3,5-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Vinyl acetate	EPA 8260B	P3G1009	25	ND	1	7/10/2003	7/10/2003	
Vinyl chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Xylenes, Total	EPA 8260B	P3G1009	3.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*108 %*				
Surrogate: Toluene-d8 (80-125%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*108 %*				
Sample ID: PMF0803-02RE1 (MW-12 - Water)								
Reporting Units: ug/l								
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P3G1005	1.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*106 %*				
Surrogate: Toluene-d8 (80-125%)				*111 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*106 %*				

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Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-03 (MW-14 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	P3G1009	20	ND	1	7/10/2003	7/10/2003	
Benzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Bromobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromochloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromodichloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Bromoform	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Bromomethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Butanone (MEK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
n-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
sec-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
tert-Butylbenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon Disulfide	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Carbon tetrachloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Chloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Chloroform	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Chloromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
2-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Chlorotoluene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Dibromochloromethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromo-3-chloropropane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2-Dibromoethane (EDB)	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Dibromomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,4-Dichlorobenzene	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
Dichlorodifluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloroethane	EPA 8260B	P3G1009	1.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloroethene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
cis-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,2-Dichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
2,2-Dichloropropane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
cis-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
trans-1,3-Dichloropropene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Ethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Hexachlorobutadiene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	

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Linda Eshelman For Tamara Saunders
Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0803-03 (MW-14 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Iodomethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Isopropylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
p-Isopropyltoluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Methylene chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
Naphthalene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
n-Propylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Styrene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,1,2-Tetrachloroethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,2,2-Tetrachloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Tetrachloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Toluene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,4-Trichlorobenzene	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,1,1-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,1,2-Trichloroethane	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichloroethene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Trichlorofluoromethane	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
1,2,3-Trichloropropane	EPA 8260B	P3G1009	10	ND	1	7/10/2003	7/10/2003	
1,2,4-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
1,3,5-Trimethylbenzene	EPA 8260B	P3G1009	2.0	ND	1	7/10/2003	7/10/2003	
Vinyl acetate	EPA 8260B	P3G1009	25	ND	1	7/10/2003	7/10/2003	
Vinyl chloride	EPA 8260B	P3G1009	5.0	ND	1	7/10/2003	7/10/2003	
Xylenes, Total	EPA 8260B	P3G1009	3.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*102 %*				
Surrogate: Toluene-d8 (80-125%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*108 %*				
Sample ID: PMF0803-03RE1 (MW-14 - Water)								
Reporting Units: ug/l								
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P3G1005	1.0	ND	1	7/10/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*107 %*				
Surrogate: Toluene-d8 (80-125%)				*108 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*107 %*				

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1005 Extracted: 07/10/03										
Blank Analyzed: 07/10/03 (P3G1005-BLK1)										
Methyl-tert-butyl Ether (MTBE)	ND	1.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*80-135*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*75-125*			
LCS Analyzed: 07/10/03 (P3G1005-BS1)										
Methyl-tert-butyl Ether (MTBE)	25.2	1.0	ug/l	25.0		101	70-130			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-135*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*75-125*			
LCS Dup Analyzed: 07/10/03 (P3G1005-BSD1)										
Methyl-tert-butyl Ether (MTBE)	26.0	1.0	ug/l	25.0		104	70-130	3	20	
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*80-135*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*108*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*27.7*		*ug/l*	*25.0*		*111*	*75-125*			
Matrix Spike Analyzed: 07/10/03 (P3G1005-MS1)					**Source: PMF0847-01**					
Methyl-tert-butyl Ether (MTBE)	33.2	1.0	ug/l	25.0	4.6	114	60-140			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*80-135*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*75-125*			
Matrix Spike Dup Analyzed: 07/10/03 (P3G1005-MSD1)					**Source: PMF0847-01**					
Methyl-tert-butyl Ether (MTBE)	32.5	1.0	ug/l	25.0	4.6	112	60-140	2	20	
Surrogate: Dibromofluoromethane	*24.2*		*ug/l*	*25.0*		*97*	*80-135*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*28.3*		*ug/l*	*25.0*		*113*	*75-125*			

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Blank Analyzed: 07/10/03 (P3G1009-BLK1)										
Acetone	ND	20	ug/l							
Benzene	ND	1.0	ug/l							
Bromobenzene	ND	5.0	ug/l							
Bromochloromethane	ND	5.0	ug/l							
Bromodichloromethane	ND	2.0	ug/l							
Bromoform	ND	5.0	ug/l							
Bromomethane	ND	5.0	ug/l							
2-Butanone (MEK)	ND	10	ug/l							
n-Butylbenzene	ND	5.0	ug/l							
sec-Butylbenzene	ND	5.0	ug/l							
tert-Butylbenzene	ND	5.0	ug/l							
Carbon Disulfide	ND	5.0	ug/l							
Carbon tetrachloride	ND	5.0	ug/l							
Chlorobenzene	ND	1.0	ug/l							
Chloroethane	ND	5.0	ug/l							
Chloroform	ND	2.0	ug/l							
Chloromethane	ND	5.0	ug/l							
2-Chlorotoluene	ND	5.0	ug/l							
4-Chlorotoluene	ND	5.0	ug/l							
Dibromochloromethane	ND	2.0	ug/l							
1,2-Dibromo-3-chloropropane	ND	5.0	ug/l							
1,2-Dibromoethane (EDB)	ND	2.0	ug/l							
Dibromomethane	ND	2.0	ug/l							
1,2-Dichlorobenzene	ND	1.0	ug/l							
1,3-Dichlorobenzene	ND	1.0	ug/l							
1,4-Dichlorobenzene	ND	1.0	ug/l							
Dichlorodifluoromethane	ND	5.0	ug/l							
1,1-Dichloroethane	ND	2.0	ug/l							
1,2-Dichloroethane	ND	1.0	ug/l							
1,1-Dichloroethene	ND	5.0	ug/l							
cis-1,2-Dichloroethene	ND	2.0	ug/l							
trans-1,2-Dichloroethene	ND	2.0	ug/l							
1,2-Dichloropropane	ND	2.0	ug/l							
1,3-Dichloropropane	ND	2.0	ug/l							
2,2-Dichloropropane	ND	2.0	ug/l							

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Blank Analyzed: 07/10/03 (P3G1009-BLK1)										
1,1-Dichloropropene	ND	2.0	ug/l							
cis-1,3-Dichloropropene	ND	2.0	ug/l							
trans-1,3-Dichloropropene	ND	2.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							
Hexachlorobutadiene	ND	5.0	ug/l							
2-Hexanone	ND	10	ug/l							
Iodomethane	ND	2.0	ug/l							
Isopropylbenzene	ND	2.0	ug/l							
p-Isopropyltoluene	ND	2.0	ug/l							
Methylene chloride	ND	5.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	10	ug/l							
Naphthalene	ND	2.0	ug/l							
n-Propylbenzene	ND	2.0	ug/l							
Styrene	ND	2.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/l							
1,1,2,2-Tetrachloroethane	ND	2.0	ug/l							
Tetrachloroethene	ND	2.0	ug/l							
Toluene	ND	2.0	ug/l							
1,2,3-Trichlorobenzene	ND	5.0	ug/l							
1,2,4-Trichlorobenzene	ND	5.0	ug/l							
1,1,1-Trichloroethane	ND	2.0	ug/l							
1,1,2-Trichloroethane	ND	2.0	ug/l							
Trichloroethene	ND	2.0	ug/l							
Trichlorofluoromethane	ND	5.0	ug/l							
1,2,3-Trichloropropane	ND	10	ug/l							
1,2,4-Trimethylbenzene	ND	2.0	ug/l							
1,3,5-Trimethylbenzene	ND	2.0	ug/l							
Vinyl acetate	ND	25	ug/l							
Vinyl chloride	ND	5.0	ug/l							
Xylenes, Total	ND	3.0	ug/l							
Surrogate: Dibromofluoromethane	*25.1*		*ug/l*	*25.0*		*100*	*80-135*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.7*		*ug/l*	*25.0*		*107*	*75-125*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
LCS Analyzed: 07/10/03 (P3G1009-BS1)										
Acetone	21.2	20	ug/l	25.0		85	40-150			
Benzene	27.6	1.0	ug/l	25.0		110	80-120			
Bromobenzene	28.1	5.0	ug/l	25.0		112	80-120			
Bromochloromethane	26.6	5.0	ug/l	25.0		106	80-120			
Bromodichloromethane	27.8	2.0	ug/l	25.0		111	80-125			
Bromoform	22.7	5.0	ug/l	25.0		91	75-140			
Bromomethane	28.4	5.0	ug/l	25.0		114	80-135			
2-Butanone (MEK)	20.4	10	ug/l	25.0		82	55-140			
n-Butylbenzene	26.7	5.0	ug/l	25.0		107	80-125			
sec-Butylbenzene	28.1	5.0	ug/l	25.0		112	80-125			
tert-Butylbenzene	28.6	5.0	ug/l	25.0		114	80-130			
Carbon Disulfide	26.2	5.0	ug/l	25.0		105	70-125			
Carbon tetrachloride	28.6	5.0	ug/l	25.0		114	80-140			
Chlorobenzene	28.1	1.0	ug/l	25.0		112	80-120			
Chloroethane	28.5	5.0	ug/l	25.0		114	80-125			
Chloroform	26.6	2.0	ug/l	25.0		106	80-120			
Chloromethane	28.6	5.0	ug/l	25.0		114	60-125			
2-Chlorotoluene	28.5	5.0	ug/l	25.0		114	80-120			
4-Chlorotoluene	29.1	5.0	ug/l	25.0		116	80-120			
Dibromochloromethane	24.7	2.0	ug/l	25.0		99	80-130			
1,2-Dibromo-3-chloropropane	19.5	5.0	ug/l	25.0		78	55-125			
1,2-Dibromoethane (EDB)	24.8	2.0	ug/l	25.0		99	70-130			
Dibromomethane	25.3	2.0	ug/l	25.0		101	80-120			
1,2-Dichlorobenzene	28.2	1.0	ug/l	25.0		113	80-120			
1,3-Dichlorobenzene	29.0	1.0	ug/l	25.0		116	80-120			
1,4-Dichlorobenzene	28.7	1.0	ug/l	25.0		115	80-120			
Dichlorodifluoromethane	29.6	5.0	ug/l	25.0		118	55-155			
1,1-Dichloroethane	27.2	2.0	ug/l	25.0		109	80-120			
1,2-Dichloroethane	24.8	1.0	ug/l	25.0		99	70-120			
1,1-Dichloroethene	27.3	5.0	ug/l	25.0		109	80-125			
cis-1,2-Dichloroethene	26.9	2.0	ug/l	25.0		108	80-125			
trans-1,2-Dichloroethene	26.7	2.0	ug/l	25.0		107	80-120			
1,2-Dichloropropane	28.0	2.0	ug/l	25.0		112	75-120			
1,3-Dichloropropane	25.1	2.0	ug/l	25.0		100	80-120			
2,2-Dichloropropane	29.8	2.0	ug/l	25.0		119	75-135			

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Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
LCS Analyzed: 07/10/03 (P3G1009-BS1)										
1,1-Dichloropropene	28.7	2.0	ug/l	25.0		115	80-120			
cis-1,3-Dichloropropene	28.1	2.0	ug/l	25.0		112	80-120			
trans-1,3-Dichloropropene	26.7	2.0	ug/l	25.0		107	80-120			
Ethylbenzene	27.8	2.0	ug/l	25.0		111	80-120			
Hexachlorobutadiene	27.2	5.0	ug/l	25.0		109	60-140			
2-Hexanone	20.4	10	ug/l	25.0		82	60-135			
Iodomethane	26.7	2.0	ug/l	25.0		107	60-145			
Isopropylbenzene	29.3	2.0	ug/l	25.0		117	80-120			
p-Isopropyltoluene	27.6	2.0	ug/l	25.0		110	75-120			
Methylene chloride	26.6	5.0	ug/l	25.0		106	75-120			
4-Methyl-2-pentanone (MIBK)	19.4	10	ug/l	25.0		78	70-130			
Naphthalene	23.9	2.0	ug/l	25.0		96	70-130			
n-Propylbenzene	27.3	2.0	ug/l	25.0		109	80-130			
Styrene	29.2	2.0	ug/l	25.0		117	70-120			
1,1,1,2-Tetrachloroethane	27.8	5.0	ug/l	25.0		111	80-130			
1,1,2,2-Tetrachloroethane	24.4	2.0	ug/l	25.0		98	70-125			
Tetrachloroethene	27.2	2.0	ug/l	25.0		109	80-130			
Toluene	27.8	2.0	ug/l	25.0		111	75-120			
1,2,3-Trichlorobenzene	26.2	5.0	ug/l	25.0		105	70-120			
1,2,4-Trichlorobenzene	27.6	5.0	ug/l	25.0		110	75-120			
1,1,1-Trichloroethane	27.7	2.0	ug/l	25.0		111	80-125			
1,1,2-Trichloroethane	25.6	2.0	ug/l	25.0		102	75-120			
Trichloroethene	27.9	2.0	ug/l	25.0		112	80-120			
Trichlorofluoromethane	30.3	5.0	ug/l	25.0		121	70-140			
1,2,3-Trichloropropane	23.4	10	ug/l	25.0		94	70-125			
1,2,4-Trimethylbenzene	28.5	2.0	ug/l	25.0		114	80-120			
1,3,5-Trimethylbenzene	28.5	2.0	ug/l	25.0		114	80-120			
Vinyl acetate	22.2	25	ug/l	25.0		89	75-150			
Vinyl chloride	27.8	5.0	ug/l	25.0		111	80-130			
Xylenes, Total	82.9	3.0	ug/l	75.0		111	70-125			
Surrogate: Dibromofluoromethane	*25.9*		*ug/l*	*25.0*		*104*	*80-135*			
Surrogate: Toluene-d8	*26.8*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*75-125*			

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Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
LCS Dup Analyzed: 07/10/03 (P3G1009-BSD1)										
Acetone	21.8	20	ug/l	25.0		87	40-150	3	20	
Benzene	28.1	1.0	ug/l	25.0		112	80-120	2	20	
Bromobenzene	28.4	5.0	ug/l	25.0		114	80-120	1	20	
Bromochloromethane	26.6	5.0	ug/l	25.0		106	80-120	0	20	
Bromodichloromethane	28.1	2.0	ug/l	25.0		112	80-125	1	20	
Bromoform	22.4	5.0	ug/l	25.0		90	75-140	1	20	
Bromomethane	28.4	5.0	ug/l	25.0		114	80-135	0	20	
2-Butanone (MEK)	21.4	10	ug/l	25.0		86	55-140	5	20	
n-Butylbenzene	27.1	5.0	ug/l	25.0		108	80-125	1	20	
sec-Butylbenzene	28.5	5.0	ug/l	25.0		114	80-125	1	20	
tert-Butylbenzene	29.0	5.0	ug/l	25.0		116	80-130	1	20	
Carbon Disulfide	26.7	5.0	ug/l	25.0		107	70-125	2	20	
Carbon tetrachloride	29.8	5.0	ug/l	25.0		119	80-140	4	20	
Chlorobenzene	28.6	1.0	ug/l	25.0		114	80-120	2	20	
Chloroethane	29.2	5.0	ug/l	25.0		117	80-125	2	20	
Chloroform	27.1	2.0	ug/l	25.0		108	80-120	2	20	
Chloromethane	28.7	5.0	ug/l	25.0		115	60-125	0	20	
2-Chlorotoluene	29.0	5.0	ug/l	25.0		116	80-120	2	20	
4-Chlorotoluene	29.5	5.0	ug/l	25.0		118	80-120	1	20	
Dibromochloromethane	25.1	2.0	ug/l	25.0		100	80-130	2	20	
1,2-Dibromo-3-chloropropane	18.9	5.0	ug/l	25.0		76	55-125	3	20	
1,2-Dibromoethane (EDB)	24.6	2.0	ug/l	25.0		98	70-130	1	20	
Dibromomethane	24.8	2.0	ug/l	25.0		99	80-120	2	20	
1,2-Dichlorobenzene	28.2	1.0	ug/l	25.0		113	80-120	0	20	
1,3-Dichlorobenzene	28.9	1.0	ug/l	25.0		116	80-120	0	20	
1,4-Dichlorobenzene	28.9	1.0	ug/l	25.0		116	80-120	1	20	
Dichlorodifluoromethane	30.5	5.0	ug/l	25.0		122	55-155	3	20	
1,1-Dichloroethane	27.9	2.0	ug/l	25.0		112	80-120	3	20	
1,2-Dichloroethane	24.9	1.0	ug/l	25.0		100	70-120	0	20	
1,1-Dichloroethene	27.7	5.0	ug/l	25.0		111	80-125	1	20	
cis-1,2-Dichloroethene	27.4	2.0	ug/l	25.0		110	80-125	2	20	
trans-1,2-Dichloroethene	27.6	2.0	ug/l	25.0		110	80-120	3	20	
1,2-Dichloropropane	28.3	2.0	ug/l	25.0		113	75-120	1	20	
1,3-Dichloropropane	24.7	2.0	ug/l	25.0		99	80-120	2	20	
2,2-Dichloropropane	31.6	2.0	ug/l	25.0		126	75-135	6	20	

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
LCS Dup Analyzed: 07/10/03 (P3G1009-BSD1)										
1,1-Dichloropropene	29.7	2.0	ug/l	25.0		119	80-120	3	20	
cis-1,3-Dichloropropene	28.3	2.0	ug/l	25.0		113	80-120	1	20	
trans-1,3-Dichloropropene	26.9	2.0	ug/l	25.0		108	80-120	1	20	
Ethylbenzene	28.2	2.0	ug/l	25.0		113	80-120	1	20	
Hexachlorobutadiene	27.4	5.0	ug/l	25.0		110	60-140	1	20	
2-Hexanone	22.0	10	ug/l	25.0		88	60-135	8	20	
Iodomethane	27.0	2.0	ug/l	25.0		108	60-145	1	20	
Isopropylbenzene	29.5	2.0	ug/l	25.0		118	80-120	1	20	
p-Isopropyltoluene	27.8	2.0	ug/l	25.0		111	75-120	1	20	
Methylene chloride	26.7	5.0	ug/l	25.0		107	75-120	0	20	
4-Methyl-2-pentanone (MIBK)	19.3	10	ug/l	25.0		77	70-130	1	20	
Naphthalene	23.1	2.0	ug/l	25.0		92	70-130	3	20	
n-Propylbenzene	27.7	2.0	ug/l	25.0		111	80-130	1	20	
Styrene	29.6	2.0	ug/l	25.0		118	70-120	1	20	
1,1,1,2-Tetrachloroethane	28.3	5.0	ug/l	25.0		113	80-130	2	20	
1,1,2,2-Tetrachloroethane	23.5	2.0	ug/l	25.0		94	70-125	4	20	
Tetrachloroethene	27.9	2.0	ug/l	25.0		112	80-130	3	20	
Toluene	28.5	2.0	ug/l	25.0		114	75-120	2	20	
1,2,3-Trichlorobenzene	25.9	5.0	ug/l	25.0		104	70-120	1	20	
1,2,4-Trichlorobenzene	27.4	5.0	ug/l	25.0		110	75-120	1	20	
1,1,1-Trichloroethane	28.2	2.0	ug/l	25.0		113	80-125	2	20	
1,1,2-Trichloroethane	25.2	2.0	ug/l	25.0		101	75-120	2	20	
Trichloroethene	28.4	2.0	ug/l	25.0		114	80-120	2	20	
Trichlorofluoromethane	30.6	5.0	ug/l	25.0		122	70-140	1	20	
1,2,3-Trichloropropane	22.8	10	ug/l	25.0		91	70-125	3	20	
1,2,4-Trimethylbenzene	28.9	2.0	ug/l	25.0		116	80-120	1	20	
1,3,5-Trimethylbenzene	28.6	2.0	ug/l	25.0		114	80-120	0	20	
Vinyl acetate	22.2	25	ug/l	25.0		89	75-150	0	20	
Vinyl chloride	31.5	5.0	ug/l	25.0		126	80-130	12	20	
Xylenes, Total	84.7	3.0	ug/l	75.0		113	70-125	2	20	
Surrogate: Dibromofluoromethane	*25.6*		*ug/l*	*25.0*		*102*	*80-135*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*75-125*			

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1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Matrix Spike Analyzed: 07/10/03 (P3G1009-MS1)					**Source: PMF0816-01**					
Acetone	11.4	20	ug/l	25.0	ND	46	25-150			
Benzene	27.9	1.0	ug/l	25.0	ND	112	70-125			
Bromobenzene	28.2	5.0	ug/l	25.0	ND	113	75-125			
Bromochloromethane	28.3	5.0	ug/l	25.0	ND	113	70-130			
Bromodichloromethane	29.0	2.0	ug/l	25.0	ND	116	70-130			
Bromoform	26.5	5.0	ug/l	25.0	ND	106	40-140			
Bromomethane	26.9	5.0	ug/l	25.0	ND	108	65-150			
2-Butanone (MEK)	18.7	10	ug/l	25.0	ND	75	20-160			
n-Butylbenzene	26.7	5.0	ug/l	25.0	ND	107	80-125			
sec-Butylbenzene	27.7	5.0	ug/l	25.0	ND	111	75-130			
tert-Butylbenzene	28.5	5.0	ug/l	25.0	ND	114	75-130			
Carbon Disulfide	25.7	5.0	ug/l	25.0	ND	103	50-150			
Carbon tetrachloride	30.3	5.0	ug/l	25.0	ND	121	70-150			
Chlorobenzene	28.4	1.0	ug/l	25.0	ND	114	80-130			
Chloroethane	27.0	5.0	ug/l	25.0	ND	108	70-130			
Chloroform	27.6	2.0	ug/l	25.0	ND	110	80-135			
Chloromethane	27.2	5.0	ug/l	25.0	ND	109	50-130			
2-Chlorotoluene	28.2	5.0	ug/l	25.0	ND	113	75-130			
4-Chlorotoluene	28.8	5.0	ug/l	25.0	ND	115	75-130			
Dibromochloromethane	27.8	2.0	ug/l	25.0	ND	111	80-130			
1,2-Dibromo-3-chloropropane	25.7	5.0	ug/l	25.0	ND	103	60-120			
1,2-Dibromoethane (EDB)	28.5	2.0	ug/l	25.0	ND	114	75-125			
Dibromomethane	28.0	2.0	ug/l	25.0	ND	112	65-135			
1,2-Dichlorobenzene	29.1	1.0	ug/l	25.0	ND	116	75-120			
1,3-Dichlorobenzene	28.8	1.0	ug/l	25.0	ND	115	80-120			
1,4-Dichlorobenzene	29.2	1.0	ug/l	25.0	ND	117	80-120			
Dichlorodifluoromethane	30.2	5.0	ug/l	25.0	ND	121	50-155			
1,1-Dichloroethane	27.3	2.0	ug/l	25.0	ND	109	70-130			
1,2-Dichloroethane	27.5	1.0	ug/l	25.0	ND	110	70-120			
1,1-Dichloroethene	26.6	5.0	ug/l	25.0	ND	106	65-130			
cis-1,2-Dichloroethene	27.5	2.0	ug/l	25.0	ND	110	70-130			
trans-1,2-Dichloroethene	27.6	2.0	ug/l	25.0	ND	110	80-125			
1,2-Dichloropropane	28.6	2.0	ug/l	25.0	ND	114	70-120			
1,3-Dichloropropane	27.7	2.0	ug/l	25.0	ND	111	70-125			
2,2-Dichloropropane	32.2	2.0	ug/l	25.0	ND	129	65-155			

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Matrix Spike Analyzed: 07/10/03 (P3G1009-MS1)					**Source: PMF0816-01**					
1,1-Dichloropropene	29.3	2.0	ug/l	25.0	ND	117	70-120			
cis-1,3-Dichloropropene	29.7	2.0	ug/l	25.0	ND	119	70-125			
trans-1,3-Dichloropropene	29.7	2.0	ug/l	25.0	ND	119	70-120			
Ethylbenzene	28.1	2.0	ug/l	25.0	ND	112	75-135			
Hexachlorobutadiene	27.5	5.0	ug/l	25.0	ND	110	60-140			
2-Hexanone	21.6	10	ug/l	25.0	ND	86	20-140			
Iodomethane	26.2	2.0	ug/l	25.0	ND	105	50-150			
Isopropylbenzene	28.9	2.0	ug/l	25.0	ND	116	80-120			
p-Isopropyltoluene	27.2	2.0	ug/l	25.0	ND	109	70-130			
Methylene chloride	25.6	5.0	ug/l	25.0	ND	102	70-130			
4-Methyl-2-pentanone (MIBK)	25.9	10	ug/l	25.0	ND	104	20-165			
Naphthalene	28.6	2.0	ug/l	25.0	ND	114	35-135			
n-Propylbenzene	27.3	2.0	ug/l	25.0	ND	109	80-130			
Styrene	28.9	2.0	ug/l	25.0	ND	116	65-130			
1,1,1,2-Tetrachloroethane	28.7	5.0	ug/l	25.0	ND	115	75-130			
1,1,2,2-Tetrachloroethane	29.5	2.0	ug/l	25.0	ND	118	70-125			
Tetrachloroethene	27.6	2.0	ug/l	25.0	ND	110	70-130			
Toluene	28.4	2.0	ug/l	25.0	ND	114	70-130			
1,2,3-Trichlorobenzene	28.0	5.0	ug/l	25.0	ND	112	50-120			
1,2,4-Trichlorobenzene	28.4	5.0	ug/l	25.0	ND	114	60-120			
1,1,1-Trichloroethane	29.1	2.0	ug/l	25.0	ND	116	75-125			
1,1,2-Trichloroethane	28.9	2.0	ug/l	25.0	ND	116	75-120			
Trichloroethene	27.9	2.0	ug/l	25.0	ND	112	70-135			
Trichlorofluoromethane	28.5	5.0	ug/l	25.0	ND	114	70-145			
1,2,3-Trichloropropane	28.2	10	ug/l	25.0	ND	113	65-130			
1,2,4-Trimethylbenzene	28.3	2.0	ug/l	25.0	ND	113	75-120			
1,3,5-Trimethylbenzene	28.4	2.0	ug/l	25.0	ND	114	75-125			
Vinyl acetate	28.0	25	ug/l	25.0	ND	112	50-165			
Vinyl chloride	31.5	5.0	ug/l	25.0	ND	126	70-150			
Xylenes, Total	82.8	3.0	ug/l	75.0	ND	110	70-125			
Surrogate: Dibromofluoromethane	*26.8*		*ug/l*	*25.0*		*107*	*80-135*			
Surrogate: Toluene-d8	*26.9*		*ug/l*	*25.0*		*108*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*75-125*			

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Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Matrix Spike Dup Analyzed: 07/10/03 (P3G1009-MSD1)					**Source: PMF0816-01**					
Acetone	12.6	20	ug/l	25.0	ND	50	25-150	10	20	
Benzene	28.0	1.0	ug/l	25.0	ND	112	70-125	0	20	
Bromobenzene	28.7	5.0	ug/l	25.0	ND	115	75-125	2	20	
Bromochloromethane	28.4	5.0	ug/l	25.0	ND	114	70-130	0	20	
Bromodichloromethane	29.1	2.0	ug/l	25.0	ND	116	70-130	0	20	
Bromoform	27.1	5.0	ug/l	25.0	ND	108	40-140	2	20	
Bromomethane	26.7	5.0	ug/l	25.0	ND	107	65-150	1	20	
2-Butanone (MEK)	18.9	10	ug/l	25.0	ND	76	20-160	1	20	
n-Butylbenzene	26.7	5.0	ug/l	25.0	ND	107	80-125	0	20	
sec-Butylbenzene	28.0	5.0	ug/l	25.0	ND	112	75-130	1	20	
tert-Butylbenzene	28.2	5.0	ug/l	25.0	ND	113	75-130	1	20	
Carbon Disulfide	25.9	5.0	ug/l	25.0	ND	104	50-150	1	20	
Carbon tetrachloride	29.9	5.0	ug/l	25.0	ND	120	70-150	1	20	
Chlorobenzene	28.3	1.0	ug/l	25.0	ND	113	80-130	0	20	
Chloroethane	27.0	5.0	ug/l	25.0	ND	108	70-130	0	20	
Chloroform	27.2	2.0	ug/l	25.0	ND	109	80-135	1	20	
Chloromethane	27.2	5.0	ug/l	25.0	ND	109	50-130	0	20	
2-Chlorotoluene	28.6	5.0	ug/l	25.0	ND	114	75-130	1	20	
4-Chlorotoluene	29.1	5.0	ug/l	25.0	ND	116	75-130	1	20	
Dibromochloromethane	27.9	2.0	ug/l	25.0	ND	112	80-130	0	20	
1,2-Dibromo-3-chloropropane	26.1	5.0	ug/l	25.0	ND	104	60-120	2	20	
1,2-Dibromoethane (EDB)	28.4	2.0	ug/l	25.0	ND	114	75-125	0	20	
Dibromomethane	27.9	2.0	ug/l	25.0	ND	112	65-135	0	20	
1,2-Dichlorobenzene	28.9	1.0	ug/l	25.0	ND	116	75-120	1	20	
1,3-Dichlorobenzene	29.0	1.0	ug/l	25.0	ND	116	80-120	1	20	
1,4-Dichlorobenzene	28.9	1.0	ug/l	25.0	ND	116	80-120	1	20	
Dichlorodifluoromethane	29.5	5.0	ug/l	25.0	ND	118	50-155	2	20	
1,1-Dichloroetbane	27.3	2.0	ug/l	25.0	ND	109	70-130	0	20	
1,2-Dichloroethane	27.5	1.0	ug/l	25.0	ND	110	70-120	0	20	
1,1-Dichloroethene	26.5	5.0	ug/l	25.0	ND	106	65-130	0	20	
cis-1,2-Dichloroethene	27.6	2.0	ug/l	25.0	ND	110	70-130	0	20	
trans-1,2-Dichloroethene	27.2	2.0	ug/l	25.0	ND	109	80-125	1	20	
1,2-Dichloropropane	28.8	2.0	ug/l	25.0	ND	115	70-120	1	20	
1,3-Dichloropropane	27.9	2.0	ug/l	25.0	ND	112	70-125	1	20	
2,2-Dichloropropane	30.9	2.0	ug/l	25.0	ND	124	65-155	4	20	

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Sampled: 06/27/03
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G1009 Extracted: 07/10/03										
Matrix Spike Dup Analyzed: 07/10/03 (P3G1009-MSD1)					**Source: PMF0816-01**					
1,1-Dichloropropene	29.0	2.0	ug/l	25.0	ND	116	70-120	1	20	
cis-1,3-Dichloropropene	29.5	2.0	ug/l	25.0	ND	118	70-125	1	20	
trans-1,3-Dichloropropene	29.6	2.0	ug/l	25.0	ND	118	70-120	0	20	
Ethylbenzene	27.9	2.0	ug/l	25.0	ND	112	75-135	1	20	
Hexachlorobutadiene	26.9	5.0	ug/l	25.0	ND	108	60-140	2	20	
2-Hexanone	21.5	10	ug/l	25.0	ND	86	20-140	1	20	
Iodomethane	26.2	2.0	ug/l	25.0	ND	105	50-150	0	20	
Isopropylbenzene	28.8	2.0	ug/l	25.0	ND	115	80-120	0	20	
p-Isopropyltoluene	26.9	2.0	ug/l	25.0	ND	108	70-130	1	20	
Methylene chloride	26.0	5.0	ug/l	25.0	ND	104	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	25.9	10	ug/l	25.0	ND	104	20-165	0	20	
Naphthalene	29.0	2.0	ug/l	25.0	ND	116	35-135	1	20	
n-Propylbenzene	27.6	2.0	ug/l	25.0	ND	110	80-130	1	20	
Styrene	28.6	2.0	ug/l	25.0	ND	114	65-130	1	20	
1,1,1,2-Tetrachloroethane	28.9	5.0	ug/l	25.0	ND	116	75-130	1	20	
1,1,2,2-Tetrachloroethane	30.0	2.0	ug/l	25.0	ND	120	70-125	2	20	
Tetrachloroethene	27.5	2.0	ug/l	25.0	ND	110	70-130	0	20	
Toluene	28.2	2.0	ug/l	25.0	ND	113	70-130	1	20	
1,2,3-Trichlorobenzene	28.1	5.0	ug/l	25.0	ND	112	50-120	0	20	
1,2,4-Trichlorobenzene	28.5	5.0	ug/l	25.0	ND	114	60-120	0	20	
1,1,1-Trichloroethane	28.5	2.0	ug/l	25.0	ND	114	75-125	2	20	
1,1,2-Trichloroethane	28.8	2.0	ug/l	25.0	ND	115	75-120	0	20	
Trichloroethene	27.7	2.0	ug/l	25.0	ND	111	70-135	1	20	
Trichlorofluoromethane	28.5	5.0	ug/l	25.0	ND	114	70-145	0	20	
1,2,3-Trichloropropane	28.6	10	ug/l	25.0	ND	114	65-130	1	20	
1,2,4-Trimethylbenzene	28.4	2.0	ug/l	25.0	ND	114	75-120	0	20	
1,3,5-Trimethylbenzene	28.0	2.0	ug/l	25.0	ND	112	75-125	1	20	
Vinyl acetate	27.2	25	ug/l	25.0	ND	109	50-165	3	20	
Vinyl chloride	31.0	5.0	ug/l	25.0	ND	124	70-150	2	20	
Xylenes, Total	82.8	3.0	ug/l	75.0	ND	110	70-125	0	20	
Surrogate: Dibromofluoromethane	*26.5*		*ug/l*	*25.0*		*106*	*80-135*			
Surrogate: Toluene-d8	*27.1*		*ug/l*	*25.0*		*108*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*75-125*			

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0803

Sampled: 06/27/03
Received: 06/27/03

DATA QUALIFIERS AND DEFINITIONS

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

RPD Relative Percent Difference

ADDITIONAL COMMENTS

For 8260 analyses:

Due to the high water solubility of alcohols and ketones, the calibration criteria for these compounds is <30% RSD. The average % RSD of all compounds in the calibration is 15%, in accordance with EPA methods.

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

CHAIN OF CUSTODY FORM

Client Name/Address:
Blaes Environmental Ltd
1455 N. 3rd Ave.
Phoenix AZ 85003

Project/PO Number:
007-1992-08

Project Manager:
Brent McDaniel

Phone Number:
(602)728-0707

Sampler:
Greg Blaes

Fax Number:
(602)728-0709

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260B TPH/BTEX	log in for full list per Greg 6/27/03							Special Instructions
MW-11a	H_2O	VOA	3	6/27/03 10:15	HCl	X				PMF0803-1				Blanket Quote
MW-12	↓	↓	↓	6/27/03 16:40	↓	↓				↓	2			
MW-14	↓	↓	↓	6/27/03 10:35	↓	↓				↓	3			

Relinquished By: Greg Blaes	Date /Time: 6/27/03 / 12:10	Received by:	Date /Time: 6-27-03
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time: 6-27-03 12:10

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ____ on ice X 6°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

COC-GB

Del Mar Analytical

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

LABORATORY REPORT

Prepared For: Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project: 007-1992-08

Sampled: 06/27/03
Received: 06/27/03
Issued: 07/10/03

AZ DHS #AZ0426

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 6°C, on ice and with chain of custody documentation.

HOLDING TIMES: Holding times were met.

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

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

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

LABORATORY ID	CLIENT ID	MATRIX
PMF0804-01	IDW-1992-0603	Water

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

Del Mar Analytical

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0804

Sampled: 06/27/03
Received: 06/27/03

BTEX & MTBE (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMF0804-01 (IDW-1992-0603 - Water)								
Reporting Units: ug/l								
Benzene	EPA 8260B	P3G0920	1.0	ND	1	7/9/2003	7/10/2003	
Ethylbenzene	EPA 8260B	P3G0920	2.0	ND	1	7/9/2003	7/10/2003	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	P3G0920	5.0	ND	1	7/9/2003	7/10/2003	
Toluene	EPA 8260B	P3G0920	2.0	ND	1	7/9/2003	7/10/2003	
Xylenes, Total	EPA 8260B	P3G0920	3.0	ND	1	7/9/2003	7/10/2003	
Surrogate: Dibromofluoromethane (80-135%)				*102 %*				
Surrogate: Toluene-d8 (80-125%)				*106 %*				
Surrogate: 4-Bromofluorobenzene (75-125%)				*96 %*				

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0804

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

BTEX & MTBE (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G0920 Extracted: 07/09/03										
Blank Analyzed: 07/09/03 (P3G0920-BLK1)										
Benzene	ND	1.0	ug/l							
Ethylbenzene	ND	2.0	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	5.0	ug/l							
Toluene	ND	2.0	ug/l							
Xylenes, Total	ND	3.0	ug/l							
Surrogate: Dibromofluoromethane	*24.0*		*ug/l*	*25.0*		*96*	*80-135*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*75-125*			
LCS Analyzed: 07/09/03 (P3G0920-BS1)										
Benzene	26.3	1.0	ug/l	25.0		105	80-120			
Ethylbenzene	27.2	2.0	ug/l	25.0		109	80-120			
Methyl-tert-butyl Ether (MTBE)	26.0	5.0	ug/l	25.0		104	70-130			
Toluene	26.3	2.0	ug/l	25.0		105	75-120			
Xylenes, Total	79.5	3.0	ug/l	75.0		106	70-125			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*92*	*80-135*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*26.6*		*ug/l*	*25.0*		*106*	*75-125*			
LCS Dup Analyzed: 07/09/03 (P3G0920-BSD1)										
Benzene	26.7	1.0	ug/l	25.0		107	80-120	2	20	
Ethylbenzene	26.5	2.0	ug/l	25.0		106	80-120	3	20	
Methyl-tert-butyl Ether (MTBE)	26.5	5.0	ug/l	25.0		106	70-130	2	20	
Toluene	27.4	2.0	ug/l	25.0		110	75-120	4	20	
Xylenes, Total	78.9	3.0	ug/l	75.0		105	70-125	1	20	
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*80-135*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*27.2*		*ug/l*	*25.0*		*109*	*75-125*			

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0804

Sampled: 06/27/03
Received: 06/27/03

METHOD BLANK/QC DATA

BTEX & MTBE (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: P3G0920 Extracted: 07/09/03										
Matrix Spike Analyzed: 07/09/03 (P3G0920-MS1)					**Source: PMF0782-01**					
Benzene	26.0	1.0	ug/l	25.0	ND	104	70-125			
Ethylbenzene	27.4	2.0	ug/l	25.0	ND	110	75-135			
Methyl-tert-butyl Ether (MTBE)	26.6	5.0	ug/l	25.0	ND	106	60-140			
Toluene	27.6	2.0	ug/l	25.0	ND	110	70-130			
Xylenes, Total	80.5	3.0	ug/l	75.0	ND	107	70-125			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-135*			
Surrogate: Toluene-d8	*26.5*		*ug/l*	*25.0*		*106*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*75-125*			
Matrix Spike Dup Analyzed: 07/09/03 (P3G0920-MSD1)					**Souree: PMF0782-01**					
Benzene	26.1	1.0	ug/l	25.0	ND	104	70-125	0	20	
Ethylbenzene	27.4	2.0	ug/l	25.0	ND	110	75-135	0	20	
Methyl-tert-butyl Ether (MTBE)	26.4	5.0	ug/l	25.0	ND	106	60-140	1	20	
Toluene	27.6	2.0	ug/l	25.0	ND	110	70-130	0	20	
Xylenes, Total	79.8	3.0	ug/l	75.0	ND	106	70-125	1	20	
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*96*	*80-135*			
Surrogate: Toluene-d8	*26.7*		*ug/l*	*25.0*		*107*	*80-125*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*75-125*			

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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Blaes Environmental Mgmt., Inc.
1433 North 3rd Ave.
Phoenix, AZ 85003
Attention: Brett McDaniel

Project ID: 007-1992-08

Report Number: PMF0804

Sampled: 06/27/03
Received: 06/27/03

DATA QUALIFIERS AND DEFINITIONS

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

RPD Relative Percent Difference

Del Mar Analytical - Phoenix
Linda Eshelman For Tamara Saunders
Project Manager

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CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
Blaine Environmental 1477 N. 3rd Ave Phoenix, AZ 85003	007-1992-08
Project Manager: Brent M. Daniel	**Phone Number:** (602) 728-0707
Sampler: Craig Lutz	**Fax Number:** (602) 728-0706

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Analysis Required: 8260 TCL VOCs + TICs								Special Instructions
IDW-1992-0805	H2O	VOA	3	6/27/03 10:45	HCl	X			PMF0804-1					Blanket Quote

Relinquished By:	Date /Time:	Received by:	Date /Time:
Craig Lutz	6/27/03 / 11:45	6-27-03	
Relinquished By:	Date /Time:	Received by:	Date /Time:
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
			6-27-03 12:00

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal X

Sample Integrity: (Check)
intact ____ on ice X 6°C

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TRANSWEST GEOCHEM

RECEIVED
APR - 9 2003
BROWN AND CALDWELL
PHOENIX

Amended Report

April 08, 2003

Jeannie Chang
Brown & Caldwell
201 E. Washington
Suite 500
Phoenix, AZ 85004

RE: Dolphin/22413.400
Work Order No.: 0303291

Dear Jeannie,
Transwest Geochem, Inc. received 18 samples on 3/20/2003 4:30:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Elizabeth Proffitt

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

TRANSWEST GEOCHEM

RECEIVED
APR - 9 2003
BROWN AND CALDWELL
PHOENIX

Amended Report

April 08, 2003

Jeannie Chang
Brown & Caldwell
201 E. Washington
Suite 500
Phoenix, AZ 85004

RE: Dolphin/22413.400
Work Order No.: 0303291

Dear Jeannie,
Transwest Geochem, Inc. received 18 samples on 3/20/2003 4:30:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Elizabeth Proffitt

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Amended Report

Date Printed: 08-Apr-03

Client:	Brown & Caldwell
Work Order:	0303291
Project Name:	Dolphin
Project Number:	22413.400

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 1.0 05/13/2002.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-5183 • Fax (602) 437-0660

TRANSWEST GEOCHEM

RECEIVED
APR - 9 2003
BROWN AND CALDWELL
PHOENIX

Amended Report

April 08, 2003

Jeannie Chang
Brown & Caldwell
201 E. Washington
Suite 500
Phoenix, AZ 85004

RE: Dolphin/22413.400
Work Order No.: 0303291

Dear Jeannie,
Transwest Geochem, Inc. received 18 samples on 3/20/2003 4:30:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Elizabeth Proffitt

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Amended Report

Date Printed: 08-Apr-03

Client:	Brown & Caldwell
Work Order:	0303291
Project Name:	Dolphin
Project Number:	22413.400

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 1.0 05/13/2002.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

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TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT:	Brown & Caldwell
Project Name:	Dolphin
Project Number:	22413.400
Work Order:	0303291
Date Received:	20-Mar-03

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

S7	Surrogate recovery was below laboratory and method acceptance limits. Unable to confirm matrix effect.
V7	Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Project Name: Dolphin
Project Number: 22413.400
Work Order: 0303291
Date Received: 20-Mar-03

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
DIMW3-410	0303291-01A	SW8260B	3/20/2003 8:43:00 AM
DIMW3-345	0303291-02A	SW8260B	3/20/2003 9:05:00 AM
DIMW3-240	0303291-03A	SW8260B	3/20/2003 9:16:00 AM
DIMW3-165	0303291-04A	SW8260B	3/20/2003 9:33:00 AM
DIMW1-410	0303291-05A	SW8260B	3/20/2003 9:57:00 AM
DIMW1-345	0303291-06A	SW8260B	3/20/2003 10:17:00 AM
DIMW1-240	0303291-07A	SW8260B	3/20/2003 10:30:00 AM
DIMW1-165	0303291-08A	SW8260B	3/20/2003 10:49:00 AM
DIMW1-120	0303291-09A	SW8260B	3/20/2003 11:00:00 AM
DIMW1-FB	0303291-10A	SW8260B	3/20/2003 11:20:00 AM
DIMW5A	0303291-11A	SW8260B	3/20/2003 12:30:00 PM
DIMW9D	0303291-12A	SW8260B	3/20/2003 1:04:00 PM
DIMW8D	0303291-13A	SW8260B	3/20/2003 1:30:00 PM
DIMW7A	0303291-14A	SW8260B	3/20/2003 2:10:00 PM
DIMW8A	0303291-15A	SW8260B	3/20/2003 2:20:00 PM
DIMW6A	0303291-16A	SW8260B	3/20/2003 2:40:00 PM
DIMW4A	0303291-17A	SW8260B	3/20/2003 3:12:00 PM
TB	0303291-18A	SW8260B	3/20/2003 8:43:00 AM

TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Project Name: Dolphin
Project Number: 22413.400
Work Order: 0303291
Date Received: 20-Mar-03

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-01
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-410
Collection Date: 3/20/2003 8:43:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-01
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-410
Collection Date: 3/20/2003 8:43:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Tetrachloroethene	0.80	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Dibromofluoromethane(Surrogate)	95	77-104		%REC	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	105	72-111		%REC	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/22/03 21:32	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-02
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-345
Collection Date: 3/20/2003 9:05:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-02
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-345
Collection Date: 3/20/2003 9:05:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Tetrachloroethene	0.54	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	106	72-111		%REC	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A
Toluene-d8(Surrogate)	88	84-105		%REC	1.0	SW8260B	N/A	3/22/03 22:10	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-03
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-240
Collection Date: 3/20/2003 9:16:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1-Dichloroethene	1.2	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-03
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-240
Collection Date: 3/20/2003 9:16:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Tetrachloroethene	3.7	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Trichloroethene	3.1	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	109	72-111		%REC	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/22/03 22:47	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-04
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-165
Collection Date: 3/20/2003 9:33:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Chloroform	1.7	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1-Dichloroethene	1.7	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-04
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW3-165
Collection Date: 3/20/2003 9:33:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Tetrachloroethene	9.3	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Trichloroethene	6.0	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	108	72-111		%REC	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A
Toluene-d8(Surrogate)	88	84-105		%REC	1.0	SW8260B	N/A	3/22/03 23:24	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-05
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-410
Collection Date: 3/20/2003 9:57:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
cis-1,2-Dichloroethene	6.3	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-05
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-410
Collection Date: 3/20/2003 9:57:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Tetrachloroethene	4.7	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Dibromofluoromethane(Surrogate)	98	77-104		%REC	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	110	72-111		%REC	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/23/03 00:02	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-06
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-345
Collection Date: 3/20/2003 10:17:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
cis-1,2-Dichloroethene	3.7	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-06
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-345
Collection Date: 3/20/2003 10:17:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Tetrachloroethene	39	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Trichloroethene	3.2	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
4-Bromofluorobenzene(Surrogate)	86	80-107		%REC	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	109	72-111		%REC	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 00:39	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-07
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-240
Collection Date: 3/20/2003 10:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Chloroform	0.99	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1-Dichloroethene	2.4	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-07
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-240
Collection Date: 3/20/2003 10:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Tetrachloroethene	12	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Trichloroethene	6.3	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
4-Bromofluorobenzene(Surrogate)	86	80-107		%REC	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	110	72-111		%REC	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 01:17	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-08
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-165
Collection Date: 3/20/2003 10:49:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Chloroform	3.2	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1-Dichloroethene	2.5	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
cis-1,2-Dichloroethene	0.74	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-08
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-165
Collection Date: 3/20/2003 10:49:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Tetrachloroethene	18	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Trichloroethene	7.4	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	107	72-111		%REC	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/23/03 05:05	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-09
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-120
Collection Date: 3/20/2003 11:00:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Chloroform	3.0	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1-Dichloroethene	2.0	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
cis-1,2-Dichloroethene	0.73	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-09
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-120
Collection Date: 3/20/2003 11:00:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Tetrachloroethene	20	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Trichloroethene	6.7	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
4-Bromofluorobenzene(Surrogate)	82	80-107		%REC	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	104	72-111		%REC	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 05:42	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-10
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-FB
Collection Date: 3/20/2003 11:20:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-10
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW1-FB
Collection Date: 3/20/2003 11:20:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
4-Bromofluorobenzene(Surrogate)	87	80-107		%REC	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	108	72-111		%REC	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/23/03 06:20	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-11
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW5A
Collection Date: 3/20/2003 12:30:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Chloroform	1.2	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1-Dichloroethene	1.1	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-11
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW5A
Collection Date: 3/20/2003 12:30:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Tetrachloroethene	7.2	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Trichloroethene	3.7	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	110	72-111		%REC	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/23/03 06:58	JH	D30322C

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TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

Lieense No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-12
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW9D
Collection Date: 3/20/2003 1:04:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-12
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW9D
Collection Date: 3/20/2003 1:04:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	109	72-111		%REC	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C
Toluene-d8(Surrogate)	88	84-105		%REC	1.0	SW8260B	N/A	3/23/03 07:35	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-13
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW8D
Collection Date: 3/20/2003 1:30:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-13
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW8D
Collection Date: 3/20/2003 1:30:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
4-Bromofluorobenzene(Surrogate)	94	80-107		%REC	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Dibromofluoromethane(Surrogate)	84	77-104		%REC	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
1,2-Dichloroethane-d4(Surrogate)	80	72-111		%REC	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A
Toluene-d8(Surrogate)	95	84-105		%REC	1.0	SW8260B	N/A	3/24/03 12:58	JH	D30324A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-14
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW7A
Collection Date: 3/20/2003 2:10:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Chloroform	9.8	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1-Dichloroethene	6.8	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
cis-1,2-Dichloroethene	2.5	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-14
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW7A
Collection Date: 3/20/2003 2:10:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Tetrachloroethene	39	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Trichloroethene	15	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	104	72-111		%REC	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 10:06	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-15
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW8A
Collection Date: 3/20/2003 2:20:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Chloroform	9.9	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1-Dichloroethene	6.5	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
cis-1,2-Dichloroethene	2.4	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-15
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW8A
Collection Date: 3/20/2003 2:20:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Tetrachloroethene	40	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Trichloroethene	15	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	107	72-111		%REC	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C
Toluene-d8(Surrogate)	85	84-105		%REC	1.0	SW8260B	N/A	3/23/03 10:44	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-16
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW6A
Collection Date: 3/20/2003 2:40:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Chloroform	7.5	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1-Dichloroethene	5.2	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
cis-1,2-Dichloroethene	1.6	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-16
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW6A
Collection Date: 3/20/2003 2:40:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Tetrachloroethene	30	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Trichloroethene	13	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
4-Bromofluorobenzene(Surrogate)	83	80-107		%REC	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	108	72-111		%REC	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 11:22	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-17
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW4A
Collection Date: 3/20/2003 3:12:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Chloroform	3.9	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1-Dichloroethene	2.8	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
cis-1,2-Dichloroethene	0.72	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C

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CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-17
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW4A
Collection Date: 3/20/2003 3:12:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Tetrachloroethene	17	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Trichloroethene	8.3	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
1,2-Dichloroethane-d4(Surrogate)	110	72-111		%REC	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/23/03 12:01	JH	D30322C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-18
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: TB
Collection Date: 3/20/2003 8:43:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303291
Lab ID: 0303291-18
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: TB
Collection Date: 3/20/2003 8:43:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
4-Bromofluorobenzene(Surrogate)	95	80-107		%REC	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Dibromofluoromethane(Surrogate)	83	77-104		%REC	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
1,2-Dichloroethane-d4(Surrogate)	78	72-111		%REC	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A
Toluene-d8(Surrogate)	91	84-105		%REC	1.0	SW8260B	N/A	3/24/03 13:35	JH	D30324A

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QC SUMMARY REPORT

Method Blank

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Bromofluorobenzene	83	80-107		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromofluoromethane	94	77-104		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloroethane-d4	102	72-111		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Toluene-d8	86	84-105		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dichloroethane	<1.0	1.0	V7	µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
4-Bromofluorobenzene	85	80-107		%REC	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Dibromofluoromethane	95	77-104		%REC	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
1,2-Dichloroethane-d4	102	72-111		%REC	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C
Toluene-d8	88	84-105		%REC	1	SW8260B	N/A	3/23/03 4:27:00 AM	JH	D30322C

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
4-Bromofluorobenzene	93	80-107		%REC	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Dibromofluoromethane	82	77-104		%REC	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
1,2-Dichloroethane-d4	78	72-111		%REC	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A
Toluene-d8	93	84-105		%REC	1	SW8260B	N/A	3/24/03 11:45:00 AM	JH	D30324A

TRANSWEST GEOCHEM

Amended Report

Date: 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-17AS**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 20:16			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	19.95	0.50	20.00	<0.50	100%	82	119				
Chlorobenzene	16.58	0.50	20.00	<0.50	83%	82	110				
1,1-Dichloroethene	19.46	0.50	20.00	<0.50	97%	84	140				
Toluene	17.29	3.0	20.00	<3.0	86%	81	114				
Trichloroethene	17.84	0.50	20.00	<0.50	89%	78	119				
4-Bromofluorobenzene	40.95	N/A	50.00	N/A	82%	80	107				
Dibromofluoromethane	48.87	N/A	50.00	N/A	98%	77	104				
1,2-Dichloroethane-d4	53.95	N/A	50.00	N/A	108%	72	111				
Toluene-d8	43.86	N/A	50.00	N/A	88%	84	105				
Sample ID: **0303207-17ASD**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 20:54			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.97	0.50	20.00	<0.50	105%	82	119	19.95	5%	13	
Chlorobenzene	17.51	0.50	20.00	<0.50	88%	82	110	16.58	5%	13	
1,1-Dichloroethene	20.72	0.50	20.00	<0.50	104%	84	140	19.46	6%	15	
Toluene	18.27	3.0	20.00	<3.0	91%	81	114	17.29	6%	14	
Trichloroethene	19.14	0.50	20.00	<0.50	96%	78	119	17.84	7%	16	
4-Bromofluorobenzene	40.21	N/A	50.00	N/A	80%	80	107				
Dibromofluoromethane	47.99	N/A	50.00	N/A	96%	77	104				
1,2-Dichloroethane-d4	52.29	N/A	50.00	N/A	105%	72	111				
Toluene-d8	42.99	N/A	50.00	N/A	86%	84	105				
Sample ID: **0303207-16AS**	Batch ID: D30322C			Test Code: SW8260B				Date Analyzed: 03/23/03 08:51			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.51	0.50	20.00	<0.50	108%	82	119				
Chlorobenzene	17.39	0.50	20.00	<0.50	87%	82	110				
1,1-Dichloroethene	20.71	0.50	20.00	<0.50	104%	84	140				
Toluene	18.10	3.0	20.00	<3.0	91%	81	114				
Trichloroethene	19.48	0.50	20.00	<0.50	97%	78	119				
4-Bromofluorobenzene	39.48	N/A	50.00	N/A	79%	80	107				S7
Dibromofluoromethane	48.26	N/A	50.00	N/A	97%	77	104				
1,2-Dichloroethane-d4	54.44	N/A	50.00	N/A	109%	72	111				
Toluene-d8	42.14	N/A	50.00	N/A	84%	84	105				

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-16ASD**	Batch ID: D30322C			Test Code: SW8260B				Date Analyzed: 03/23/03 09:28			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	21.23	0.50	20.00	<0.50	106%	82	119	21.51	1%	13	
Chlorobenzene	17.78	0.50	20.00	<0.50	89%	82	110	17.39	2%	13	
1,1-Dichloroethene	21.16	0.50	20.00	<0.50	106%	84	140	20.71	2%	15	
Toluene	18.45	3.0	20.00	<3.0	92%	81	114	18.10	2%	14	
Trichloroethene	19.66	0.50	20.00	<0.50	98%	78	119	19.48	1%	16	
4-Bromofluorobenzene	40.19	N/A	50.00	N/A	80%	80	107				
Dibromofluoromethane	47.52	N/A	50.00	N/A	95%	77	104				
1,2-Dichloroethane-d4	52.86	N/A	50.00	N/A	106%	72	111				
Toluene-d8	42.92	N/A	50.00	N/A	86%	84	105				
Sample ID: **0303291-12AS**	Batch ID: D30324A			Test Code: SW8260B				Date Analyzed: 03/24/03 16:41			
Client ID: **DIMW9D**				Units: µg/L				Date Prepared: N/A			
Benzene	20.98	0.50	20.00	<0.50	105%	82	119				
Chlorobenzene	21.74	0.50	20.00	<0.50	109%	82	110				
1,1-Dichloroethene	21.80	0.50	20.00	<0.50	109%	84	140				
Toluene	22.10	3.0	20.00	<3.0	111%	81	114				
Trichloroethene	19.19	0.50	20.00	<0.50	96%	78	119				
4-Bromofluorobenzene	47.41	N/A	50.00	N/A	95%	80	107				
Dibromofluoromethane	36.59	N/A	50.00	N/A	73%	77	104				S7
1,2-Dichloroethane-d4	30.48	N/A	50.00	N/A	61%	72	111				S7
Toluene-d8	49.22	N/A	50.00	N/A	98%	84	105				
Sample ID: **0303291-12ASD**	Batch ID: D30324A			Test Code: SW8260B				Date Analyzed: 03/24/03 17:19			
Client ID: **DIMW9D**				Units: µg/L				Date Prepared: N/A			
Benzene	20.41	0.50	20.00	<0.50	102%	82	119	20.98	3%	13	
Chlorobenzene	21.79	0.50	20.00	<0.50	109%	82	110	21.74	0%	13	
1,1-Dichloroethene	21.44	0.50	20.00	<0.50	107%	84	140	21.80	2%	15	
Toluene	22.20	3.0	20.00	<3.0	111%	81	114	22.10	0%	14	
Trichloroethene	18.60	0.50	20.00	<0.50	93%	78	119	19.19	3%	16	
4-Bromofluorobenzene	46.92	N/A	50.00	N/A	94%	80	107				
Dibromofluoromethane	37.25	N/A	50.00	N/A	75%	77	104				S7
1,2-Dichloroethane-d4	29.71	N/A	50.00	N/A	59%	72	111				S7
Toluene-d8	50.91	N/A	50.00	N/A	102%	84	105				

TRANSWEST GEOCHEM

Amended Report

Date: 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303291
Project: Dolphin/22413.400

QC SUMMARY REPORT

Secondary Source Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD-D30322B**	Batch ID: D30322C			Test Code: SW8260B				Date Analyzed: 03/23/03 03:49			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.08	0.50	20.00	<0.50	105%	81	120	21.68	3%	16	
Chlorobenzene	17.78	0.50	20.00	<0.50	89%	85	111	18.43	4%	14	
1,1-Dichloroethene	19.35	0.50	20.00	<0.50	97%	66	151	20.17	4%	16	
Toluene	18.46	3.0	20.00	<3.0	92%	82	115	19.21	4%	16	
Trichloroethene	19.02	0.50	20.00	<0.50	95%	79	112	19.59	3%	18	
4-Bromofluorobenzene	40.68	N/A	50.00	N/A	81%	80	107				
Dibromofluoromethane	47.97	N/A	50.00	N/A	96%	77	104				
1,2-Dichloroethane-d4	52.55	N/A	50.00	N/A	105%	72	111				
Toluene-d8	43.24	N/A	50.00	N/A	86%	84	105				
Sample ID: **LCSV-D30324A**	Batch ID: D30324A			Test Code: SW8260B				Date Analyzed: 03/24/03 09:55			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.11	0.50	20.00	<0.50	101%	81	120				
Chlorobenzene	19.77	0.50	20.00	<0.50	99%	85	111				
1,1-Dichloroethene	19.90	0.50	20.00	<0.50	100%	66	151				
Toluene	19.76	3.0	20.00	<3.0	99%	82	115				
Trichloroethene	18.10	0.50	20.00	<0.50	91%	79	112				
4-Bromofluorobenzene	46.20	N/A	50.00	N/A	92%	80	107				
Dibromofluoromethane	40.09	N/A	50.00	N/A	80%	77	104				
1,2-Dichloroethane-d4	37.28	N/A	50.00	N/A	75%	72	111				
Toluene-d8	46.38	N/A	50.00	N/A	93%	84	105				
Sample ID: **LCSVD-D30324A**	Batch ID: D30324A			Test Code: SW8260B				Date Analyzed: 03/24/03 10:31			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.14	0.50	20.00	<0.50	106%	81	120	20.11	5%	16	
Chlorobenzene	20.84	0.50	20.00	<0.50	104%	85	111	19.77	5%	14	
1,1-Dichloroethene	21.53	0.50	20.00	<0.50	108%	66	151	19.90	8%	16	
Toluene	20.97	3.0	20.00	<3.0	105%	82	115	19.76	6%	16	
Trichloroethene	19.68	0.50	20.00	<0.50	98%	79	112	18.10	8%	18	
4-Bromofluorobenzene	44.76	N/A	50.00	N/A	90%	80	107				
Dibromofluoromethane	41.28	N/A	50.00	N/A	83%	77	104				
1,2-Dichloroethane-d4	38.12	N/A	50.00	N/A	76%	72	111				
Toluene-d8	47.07	N/A	50.00	N/A	94%	84	105				

Confidential and Privileged

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 030391

Date 3-20-03 Page 1 of 2

Project Manager:	JEANNIE CHANG
Client Name:	BROWN & CALDWELL
Address:	201 E. WASHINGTON #500
City, State ZIP:	PHOENIX, AZ. 85004
Phone:	602-567-3813 Fax: 602-567-4001

Bill to:	DOLPHIN
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	22413.400
Project Name:	DOLPHIN
Project Number:	22413.

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:
Received Intact:	Y N	Absent / Present
Custody Seals:	Y N	Wet / Blue
Total No. of Containers:	36	4 6

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	EPA 8260 + TCL VOA							Comments
DIMW3-410	H2O	3-20	0843	1	3												X							
DIMW3-345	H2O	3-20-03	0905	2	3												X							
DIMW3-240	H2O	3-20-03	0916	3	3												X							
DIMW3-165	H2O	3-20-03	0933	4	3												X							
DIMW1-410	H2O	3-20-03	0957	5	3												X							
DIMW1-345	H2O	3-20-03	1017	6	3												X							
DIMW1-240	H2O	3-20-03	1030	7	3												X							
DIMW1-165	H2O	3-20-03	1049	8	3												X							
DIMW1-120	H2O	3-20-03	1100	9	3												X							
DIMW1-FB	H2O	3-20-03	1120	10	3												X							
DIMW5A	H2O	3-20-03	1230	11	3												X							
DIMW8D	H2O	3-20-03	1304	12	3												X							

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Timothy P. Kuefler	Timothy P. Kuefler	3-20-03 1630			
2						
3						

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised : 6/29/00

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 0303291

Date 3-20-03 Page 2 of 2

Project Manager:	JEANNIE CHANG
Client Name:	BROWN & CALDWELL
Address:	201 E. WASHINGTON #500
City, State ZIP:	PHOENIX, AZ 85004
Phone:	602-567-3813 Fax: 602-567-4001

Bill to:	DOLPHIN
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	22413
Project Name:	DOLPHIN
Project Number:	22413

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:	Y	Absent / Present	
Custody Seals:	N	Wet / Blue	
Total No. of Containers:	16	4.6	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	EPA 8260 + FREON 113	Comments
DIMW8D	H2O	3-20-03	1330	13	3												X	
DIMW7A	H2O	3-20-03	1410	14	3												X	
DIMW8A	H2O	3-20-03	1420	15	3												X	
DIMW6A	H2O	3-20-03	1440	16	3												X	
DIMW4A	H2O	3-20-03	1512	17	3												X	
TB	H2O	3-19-03			1												X	

	Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	Timothy P. Keefe	TIMOTHY P. KEEFE	3-20-03 1630	Anny Lord	A Lord	03/20/03
2						16:30
3						

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised : 6/29/00

Quality by Design

Laboratory Quality Assurance Consulting

1438 West Broadway Road
Suite B-230
Tempe, Arizona 85283

Phone: (480) 967-2380
Fax: (480) 967-2381
email: qbdphx@gte.net

EPA Level 3
DATA VERIFICATION REPORT

Project Name: Dolphin, Inc
Project No. 22413.400
Type of Samples: Water
Dates of Sampling: March 19 and 20, 2003

Prepared for

Brown and Caldwell
201 East Washington, Suite 500
Phoenix, Arizona 85004

SDG Nos. 0303291 and 0303269
QBD Job No. 1066

Reviewed and approved,

Thomas S. Davis, Principal — 5/1/03 Date

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A. Abbreviations and Acronyms

Acronym/ Abbreviation	Definition
%D	percent difference
%R	percent recovery
µg/l	micrograms per liter
µg/kg	micrograms per kilogram
AA	atomic absorption
BFB	bromofluorobenzene
BNA	base/neutral/acid compounds
BS	blank spike
BSD	blank spike duplicate
CCB	continuing calibration blank
CCC	calibration check compound
CCS	continuing calibration standard
CCV	continuing calibration verification
CF	calibration factor
CLP	Contract Laboratory Program
COC	chain of custody record
CRA	contract required standard at the CRDL for graphite furnace AA method
CRDL	contract required detection limit
CRI	contract required standard at the CRDL for ICP method
CRQL	contract required quantitation limit
CV	coefficient of variation
CVAA	cold vapor atomic absorption
4,4'-DDD	4,4'-dechlorodiphenyldichloroethane
4,4'-DDE	4,4'-dichlorodiphenyldichloroethylene
4,4'-DDT	4,4'-dichlorodiphenyltrichloroethane
DFTPP	decafluorotriphenylphosphine
DHG	dissolved hydrogen gas
DRO	diesel range organics
DQO	data quality objective
EB	equipment blank
EICP	extracted ion current profile
EPA	U.S. Environmental Protection Agency
ER	equipment rinsate
FB	field blank

Acronym/ Abbreviation	Definition
GC/ECD	gas chromatography/electron capture detector
GC/ELCD	gas chromatography/electrolytic conductivity detector (Hall detector)
GC/FID	gas chromatography/flame ionization detector
GC/PID	gas chromatography/photoionization detector
GC/MS	gas chromatography/mass spectrometry
GFAA	graphite furnace atomic absorption
GLP	good laboratory practices
GRO	gasoline range organics
GPC	gel permeation chromatography
HPLC	high-performance liquid chromatography
HRGC	high resolution gas chromatography
HRMS	high resolution mass spectrometry
ICB	initial calibration blank
ICP	inductively coupled plasma
ICS	interference check sample
ICV	initial calibration verification
IDL	instrument detection limit
IR	infrared spectroscopy
IS	internal standards
LCS	laboratory control standard
LCSD	laboratory control standard duplicate
MDL	method detection limit
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
MS	matrix spike
MSA	method of standard addition
MSD	matrix spike duplicate
m/z	mass to charge ratio
NIST	National Institute for Standards and Technology
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PE	performance evaluation
PEM	performance evaluation mixture
PPB	parts per billion
PPM	parts per million
PPT	parts per trillion
PNA	polynuclear aromatic hydrocarbon

Acronym/ Abbreviation	Definition
PQL	practical quantitation limit
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
RL	reporting limit
RF	response factor
RIC	reconstructed ion chromatograph
RPD	relative percent difference
RRF	relative response factor
RRT	relative retention time
RSD	relative standard deviation
RT	retention time
SDG	sample delivery group
SOP	standard operating procedure
SOW	statement of work
SVOC	semivolatile organic compound
SPCC	system performance check compound
SRM	standard reference material
TB	trip blank
TIC	tentatively identified compound
TPH	total petroleum hydrocarbons
TPH-G	total petroleum hydrocarbons - gasoline
TPH-D	total petroleum hydrocarbons - diesel
UV/VIS	ultraviolet/visible
VOA	volatile organic analysis
VOC	volatile organic compounds

B. Introduction

Laboratory Sciences, Inc., d.b.a. *Quality by Design* (QBD), has completed EPA Level 3 Data Verification on the submitted data packages in accordance with Brown and Caldwell e-mail Transmittal Memorandum dated April 9, 2003.

The reporting format and criteria for recommending data qualifier flags for this data set are described in the EPA "*Functional Guidelines for Evaluating Organics Analyses*", as revised, 1999, or using criteria listed in the method referenced. Data may be qualified for any of the following reasons:

1. By the laboratory prior to receipt by the reviewer
2. Because of laboratory deviation from the designated method
3. Because the data may not meet the criteria listed in the reference above
4. By the professional judgment of the reviewer

This data verification report consists of several sections, each of which are formatted to follow *Functional Guidelines*, but which also include subsections discussing QBD contacts with the laboratory, other comments, and a summary table of data qualifiers.

The data set consists of two data packages of 52 and 29 pages from Transwest Geochem, Inc. (TGI) in Phoenix, Arizona, and contains data for the samples shown in Table 1. The data reviewer and senior reviewer are shown in Table 2.

Each data set includes an analytical data package for each sample, copies of the completed COC forms, and a QC data package. The analytical data package includes analytical results, blank sample results, both laboratory and client sample identifications, appropriate dates but not times, method reporting limits, method references, surrogate recoveries as appropriate, the laboratory's name and address, and the signature of the person releasing the data. The custody forms include the receipt of the sample. The QC data package includes a tabular list of the laboratory's sample identification, spiking concentrations, recoveries, percentage calculations, and acceptance windows.

Table 1. Sample Identification and Analysis

Sample Identification	Laboratory Identification	Method 8260B
DIMW3-410	0303291-01	X
DIMW3-345	0303291-02	X
DIMW3-240	0303291-03	X
DIMW3-165	0303291-04	X
DIMW1-410	0303291-05	X
DIMW1-345	0303291-06	X
DIMW1-240	0303291-07	X
DIMW1-165	0303291-08	X
DIMW1-120	0303291-09	X
DIMW1-FB	0303291-10	X
DIMW5A	0303291-11	X
DIMW9D	0303291-12	X
DIMW8D	0303291-13	X
DIMW7A	0303291-14	X
DIMW8A	0303291-15	X
DIMW6A	0303291-16	X
DIMW4A	0303291-17	X
TB (0303291)	0303291-18	X
DIMW2-410	0303269-01	X
DIMW2-345	0303269-02	X
DIMW2-240	0303269-03	X
DIMW2-165	0303269-04	X
DIMW2-170	0303269-05	X
DIMW2-EB	0303269-06	X
TB (0303269)	0303269-07	X

Key:
Method 8260B = VOCs by GC/MS

Table 2. Data Package, Reviewer, and Senior Reviewer

Analysis	Number of Pages	SDG Number	Reviewer	Senior Reviewer
8260B	52	0303291	Peggy Cota	Thomas Davis
8260B	29	0303269	Peggy Cota	Thomas Davis

C. Laboratory Report and Supporting Documentation

The laboratory report and supporting documentation were reviewed to determine that the data package supported the level of validation requested. The data package was checked for pagination, appropriate signatures and approvals, an adequate case narrative, and possible subcontracting. The supporting data was checked for completeness and to determine that the information necessary for validation was present. The laboratory documentation was acceptable, except as noted below.

Discussion: The copies of the laboratory reports that were received by QBD did not include the laboratory's cover letter, which includes the laboratory license number and the signature of the laboratory officer who is authorized to release the data. Because the letter was on file at Brown and Caldwell with the original laboratory reports, no further action was taken.

D. Chain-of-Custody

The COC documentation associated with this SDG was reviewed to determine that all samples listed on the COC form were reported in the laboratory deliverables, that a date and time of sampling was provided, and that the sample custody trail was complete. Sample condition upon receipt was reviewed to determine that the samples were not compromised during shipping. All custody and shipping documentation was reviewed to determine if GLP were employed when errors occurred. All data reviewed were acceptable.

E. Review of Volatile Organic Analyses by GC/MS

EPA Method 8260B

1. Timeliness and a Check for Errors

The laboratory data packages were reviewed and compared against the COC and supporting documentation to determine that samples were properly preserved and analyzed within the technical holding times, and that no deviations from proper handling and identification occurred. All data reviewed were acceptable, except as noted below.

Discussion: The samples for SDG 0303269 were received at a temperature of 1.9°C, which exceeds the method requirement of 4±2°C. Since it is the reviewer's professional opinion that the results for Samples DIMW2-410, DIMW2-345, DIMW2-240, DIMW2-165, DIMW2-170, DIMW2-EB, and TB (0303269) were not adversely compromised by this anomaly, no data qualifier flags are recommended.

2. Initial and Continuing Calibration

All initial and continuing calibration quality control criteria were reviewed to determine that no TCL analytes had initial calibration percent RSDs or continuing calibration percent differences greater than allowed by the method. All RF, SPCC, and CCC criteria were reviewed for method acceptance. All data reviewed were acceptable, except as noted below.

Discussion: The laboratory's data flags indicated that the continuing calibration associated with Samples DIMW1-165, DIMW1-120, DIMW1-FB, DIMW5A, DIMW9D, DIMW7A, DIMW8A, DIMW6A, and DIMW4A for 1,2-dichloroethane had a percent difference or drift that was out of the criteria of less than 20 percent. Because this was a Level III data package, the supporting documentation was not provided. Since the laboratory stated that the response indicated a high bias and the associated result was non-detect, no data qualifier flags are recommended.

The laboratory indicated that the continuing calibration associated with Samples TB (0303269) and the method blank for 1,3-dichloropropane had a percent difference or drift that was out of the criteria of less than 20 percent. Since the response indicated a high bias and the associated results were non-detect, no data qualifier flags are recommended.

3. Blanks and Checks for Contamination

The frequency of analysis and the results for instrument and method blank analyses were reviewed. Equipment, field, and trip blanks were also evaluated if identified in the group of

samples. Either no analytes were detected or, if detected, levels were below the reporting limit, except as noted below.

Discussion: Dibromochloromethane was detected in the equipment blank associated with Samples DIMW2-410, DIMW2-345, DIMW2-240, DIMW2-165, DIMW2-170, DIMW2-EB, and TB (0303269), but was not detected in the samples. No data qualifier flags are recommended.

4. Surrogate Recovery

Surrogate spikes were added to all samples, QC checks, and blanks as required by the referenced method. All data reviewed were acceptable, except as noted below.

Discussion: The surrogate percent recovery for 4-bromofluorobenzene was out of the acceptance criteria of 80 to 107 percent at 79 percent in the MS associated with Samples DIMW1-165, DIMW1-120, DIMW1-FB, DIMW5A, DIMW9D, DIMW7A, DIMW8A, DIMW6A, and DIMW4A. Also, the surrogate percent recoveries for dibromofluoromethane and 1,2-dichloroethane-d_4 were out of the criteria of 77 to 104 and 72 to 111 percent at 77, 77 and 72, 72 percent, respectively, in the MS and MSD associated with Samples DIMW8D and TB (0303291). No data qualifier flags are recommended because the surrogates were evaluated separately in the samples.

5. Precision and Accuracy

Results for precision (RPD) and accuracy (percent recovery) were reviewed for spikes and duplicate spikes (MS/MSDs, BS/BSDs and/or LCS/LCSDs) to determine that the checks were analyzed at the frequency required by the referenced method and the results met the requirements of the project. All data reviewed were acceptable.

6. Second Source Calibration Checks

The laboratory's second source calibration verification was prepared as the LCS/LCSD. This was evaluated in Section 6, "*Precision and Accuracy*".

7. Compound Quantitation and Reported Detection Limits

Using judgment based upon the information provided and typical calibration procedures, it appears as if no quantitation exceeded the typical highest calibration standard for the test, that dilutions were reported for samples with high values, and that reporting limits have been correctly adjusted for dilutions and extraction amounts. The reporting limits met method or contractual requirements. All data reviewed were acceptable.

8. Field Duplicates

Field duplicates were collected and analyzed. Sample DIMW2-170 is a duplicate of Sample DIMW2-165. Sample DIMW8A is a duplicate of DIMW7A. Test results were reviewed, and where positive results were found, the RPD was calculated. All analytes, except those listed in the table below, were reported as non-detect.

Table 3. VOC Field Duplicates and RPD

Compound	Sample Result	Duplicate Result	RPD
	DIMW2-165	DIMW2-170	
Chloroform	9.5	9.8	3.1
1,1-Dichloroethene	11	12	8.7
cis-1,2-Dichloroethene	2.8	2.9	3.5
Tetrachloroethene	52	48	8.0
Trichloroethene	22	23	4.4
Trichlorotrifluoroethane	6.2	6.4	3.2

Compound	Sample Result	Duplicate Result	RPD
	DIMW7A	DIMW8A	
Chloroform	9.8	9.9	1.0
1,1-Dichloroethene	6.8	6.5	4.5
cis-1,2-Dichloroethene	2.5	2.4	4.1
Tetrachloroethene	39	40	2.5
Trichloroethene	15	15	0.0

Key: ND = Non-detect
NC = Not calculable

9. Laboratory Contact

There was no verbal or written communication with the laboratory.

10. Other Comments

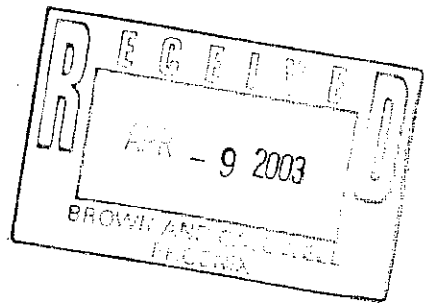
None.

11. Data Use and Overall Assessment

The data are acceptable for use. The analyses were generally within the requirements of the referenced method.

TRANSWEST
GEOCHEM

Amended Report



April 08, 2003

Jeannie Chang
Brown & Caldwell
201 E. Washington
Suite 500
Phoenix, AZ 85004

RE: Dolphin/22413.400
Work Order No.: 0303269

Dear Jeannie,
Transwest Geochem, Inc. received 7 samples on 3/19/2003 4:40:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Elizabeth Proffitt

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Amended Report

Date Printed: 08-Apr-03

Client:	Brown & Caldwell
Work Order:	0303269
Project Name:	Dolphin
Project Number:	22413.400

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 1.0 05/13/2002.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

3725 E. Atlanta Ave. • Suite 2 • Phoenix, Arizona 85040 • (602) 437-0330 • 1-800-927-6183 • Fax (602) 437-0660

TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT:	Brown & Caldwell
Project Name:	Dolphin
Project Number:	22413.400
Work Order:	0303269
Date Received:	19-Mar-03

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D1	Sample required dilution due to matrix interference. See case narrative.
D2	Sample required dilution due to high concentration of target analyte.
V7	Calibration verification recovery was above the method control limit for this analyte, however the average % difference or % drift for all the analytes met method criteria.

TRANSWEST GEOCHEM

Amended Report

Date Printed 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Project Name: Dolphin
Project Number: 22413.400
Work Order: 0303269
Date Received: 19-Mar-03

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
DIMW2-410	0303269-01A	SW8260B	3/19/2003 1:18:00 PM
DIMW2-345	0303269-02A	SW8260B	3/19/2003 1:34:00 PM
DIMW2-240	0303269-03A	SW8260B	3/19/2003 1:51:00 PM
DIMW2-165	0303269-04A	SW8260B	3/19/2003 2:05:00 PM
DIMW2-170	0303269-05A	SW8260B	3/19/2003 2:15:00 PM
DIMW2-EB	0303269-06A	SW8260B	3/19/2003 2:35:00 PM
TB	0303269-07A	SW8260B	3/19/2003 1:18:00 PM

CLIENT: Brown & Caldwell
Project Name: Dolphin
Project Number: 22413.400
Work Order: 0303269
Date Received: 19-Mar-03

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-01
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-410
Collection Date: 3/19/2003 1:18:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-01
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-410
Collection Date: 3/19/2003 1:18:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Tetrachloroethene	0.96	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
4-Bromofluorobenzene(Surrogate)	86	80-107		%REC	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Dibromofluoromethane(Surrogate)	86	77-104		%REC	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	93	72-111		%REC	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A
Toluene-d8(Surrogate)	92	84-105		%REC	1.0	SW8260B	N/A	3/22/03 16:32	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-02
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-345
Collection Date: 3/19/2003 1:34:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-02
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-345
Collection Date: 3/19/2003 1:34:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Tetrachloroethene	0.68	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
4-Bromofluorobenzene(Surrogate)	85	80-107		%REC	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	104	72-111		%REC	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/22/03 17:08	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-03
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-240
Collection Date: 3/19/2003 1:51:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Chloroform	1.7	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1-Dichloroethene	2.8	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-03
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-240
Collection Date: 3/19/2003 1:51:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Tetrachloroethene	13	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Trichloroethene	8.2	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
4-Bromofluorobenzene(Surrogate)	86	80-107		%REC	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	107	72-111		%REC	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/22/03 17:45	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-04
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-165
Collection Date: 3/19/2003 2:05:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Chloroform	9.5	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1-Dichloroethene	11	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
cis-1,2-Dichloroethene	2.8	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-04
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-165
Collection Date: 3/19/2003 2:05:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Tetrachloroethene	52	2.5	D2	µg/L	5.0	SW8260B	N/A	3/25/03 23:56	JH	D30325B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Trichloroethene	22	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Trichlorotrifluoroethane	6.2	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
4-Bromofluorobenzene(Surrogate)	83	80-107		%REC	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Dibromofluoromethane(Surrogate)	96	77-104		%REC	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	106	72-111		%REC	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/22/03 18:23	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-05
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-170
Collection Date: 3/19/2003 2:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Chloroform	9.8	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1-Dichloroethene	12	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
cis-1,2-Dichloroethene	2.9	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A

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CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-05
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-170
Collection Date: 3/19/2003 2:15:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Tetrachloroethene	48	2.5	D1	µg/L	5.0	SW8260B	N/A	3/26/03 00:34	JH	D30325B
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Trichloroethene	23	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Trichlorotrifluoroethane	6.4	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Dibromofluoromethane(Surrogate)	97	77-104		%REC	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	106	72-111		%REC	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A
Toluene-d8(Surrogate)	86	84-105		%REC	1.0	SW8260B	N/A	3/22/03 19:01	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-06
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-EB
Collection Date: 3/19/2003 2:35:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Bromodichloromethane	0.55	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Dibromochloromethane	0.63	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-06
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: DIMW2-EB
Collection Date: 3/19/2003 2:35:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
4-Bromofluorobenzene(Surrogate)	83	80-107		%REC	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Dibromofluoromethane(Surrogate)	95	77-104		%REC	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
1,2-Dichloroethane-d4(Surrogate)	108	72-111		%REC	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A
Toluene-d8(Surrogate)	85	84-105		%REC	1.0	SW8260B	N/A	3/22/03 19:39	JH	D30322A

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-07
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: TB
Collection Date: 3/19/2003 1:18:00 PM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Carbon disulfide	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Dibromomethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,3-Dichloropropane	<1.0	1.0	V7	µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Hexachlorobutadiene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Iodomethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C

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CLIENT: Brown & Caldwell
Work Order: 0303269
Lab ID: 0303269-07
Project Name: Dolphin
Project Number: 22413.400

Client Sample ID: TB
Collection Date: 3/19/2003 1:18:00 PM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Isopropylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Naphthalene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
4-Bromofluorobenzene(Surrogate)	84	80-107		%REC	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
1,2-Dichloroethane-d4(Surrogate)	101	72-111		%REC	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C
Toluene-d8(Surrogate)	87	84-105		%REC	1.0	SW8260B	N/A	3/21/03 20:39	JH	D30321C

Confidential and Privileged

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,3-Dichloropropane	<1.0	1.0	V7	µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
4-Bromofluorobenzene	83	80-107		%REC	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Dibromofluoromethane	92	77-104		%REC	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
1,2-Dichloroethane-d4	99	72-111		%REC	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C
Toluene-d8	94	84-105		%REC	1	SW8260B	N/A	3/21/03 11:57:00 AM	JH	D30321C

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
4-Bromofluorobenzene	83	80-107		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Dibromofluoromethane	94	77-104		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
1,2-Dichloroethane-d4	102	72-111		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A
Toluene-d8	86	84-105		%REC	1	SW8260B	N/A	3/22/03 3:56:00 PM	JH	D30322A

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Carbon disulfide	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dibromo-3-chloropropane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Dibromomethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Hexachlorobutadiene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Iodomethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Isopropylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Naphthalene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1,1,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2,4-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Trichlorotrifluoroethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
4-Bromofluorobenzene	94	80-107		%REC	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Dibromofluoromethane	85	77-104		%REC	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
1,2-Dichloroethane-d4	82	72-111		%REC	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B
Toluene-d8	93	84-105		%REC	1	SW8260B	N/A	3/25/03 11:19:00 PM	JH	D30325B

TRANSWEST GEOCHEM

Amended Report

Date: 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-13AS**	Batch ID: D30321C			Test Code: SW8260B				Date Analyzed: 03/21/03 18:08			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	22.00	0.50	20.00	<0.50	110%	82	119				
Chlorobenzene	18.54	0.50	20.00	<0.50	93%	82	110				
1,1-Dichloroethene	21.80	0.50	20.00	<0.50	109%	84	140				
Toluene	19.28	3.0	20.00	<3.0	96%	81	114				
Trichloroethene	19.69	0.50	20.00	<0.50	98%	78	119				
4-Bromofluorobenzene	40.33	N/A	50.00	N/A	81%	80	107				
Dibromofluoromethane	46.74	N/A	50.00	N/A	93%	77	104				
1,2-Dichloroethane-d4	49.06	N/A	50.00	N/A	98%	72	111				
Toluene-d8	43.63	N/A	50.00	N/A	87%	84	105				
Sample ID: **0303207-13ASD**	Batch ID: D30321C			Test Code: SW8260B				Date Analyzed: 03/21/03 18:46			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.42	0.50	20.00	<0.50	102%	82	119	22.00	7%	13	
Chlorobenzene	17.84	0.50	20.00	<0.50	89%	82	110	18.54	4%	13	
1,1-Dichloroethene	20.68	0.50	20.00	<0.50	103%	84	140	21.80	5%	15	
Toluene	18.65	3.0	20.00	<3.0	93%	81	114	19.28	3%	14	
Trichloroethene	18.73	0.50	20.00	<0.50	94%	78	119	19.69	5%	16	
4-Bromofluorobenzene	40.03	N/A	50.00	N/A	80%	80	107				
Dibromofluoromethane	46.57	N/A	50.00	N/A	93%	77	104				
1,2-Dichloroethane-d4	48.59	N/A	50.00	N/A	97%	72	111				
Toluene-d8	43.99	N/A	50.00	N/A	88%	84	105				
Sample ID: **0303207-17AS**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 20:16			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	19.95	0.50	20.00	<0.50	100%	82	119				
Chlorobenzene	16.58	0.50	20.00	<0.50	83%	82	110				
1,1-Dichloroethene	19.46	0.50	20.00	<0.50	97%	84	140				
Toluene	17.29	3.0	20.00	<3.0	86%	81	114				
Trichloroethene	17.84	0.50	20.00	<0.50	89%	78	119				
4-Bromofluorobenzene	40.95	N/A	50.00	N/A	82%	80	107				
Dibromofluoromethane	48.87	N/A	50.00	N/A	98%	77	104				
1,2-Dichloroethane-d4	53.95	N/A	50.00	N/A	108%	72	111				
Toluene-d8	43.86	N/A	50.00	N/A	88%	84	105				

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-17ASD**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 20:54			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.97	0.50	20.00	<0.50	105%	82	119	19.95	5%	13	
Chlorobenzene	17.51	0.50	20.00	<0.50	88%	82	110	16.58	5%	13	
1,1-Dichloroethene	20.72	0.50	20.00	<0.50	104%	84	140	19.46	6%	15	
Toluene	18.27	3.0	20.00	<3.0	91%	81	114	17.29	6%	14	
Trichloroethene	19.14	0.50	20.00	<0.50	96%	78	119	17.84	7%	16	
4-Bromofluorobenzene	40.21	N/A	50.00	N/A	80%	80	107				
Dibromofluoromethane	47.99	N/A	50.00	N/A	96%	77	104				
1,2-Dichloroethane-d4	52.29	N/A	50.00	N/A	105%	72	111				
Toluene-d8	42.99	N/A	50.00	N/A	86%	84	105				
Sample ID: **0303207-28AS**	Batch ID: D30325B			Test Code: SW8260B				Date Analyzed: 03/26/03 03:05			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	19.89	0.50	20.00	<0.50	99%	82	119				
Chlorobenzene	18.47	0.50	20.00	<0.50	92%	82	110				
1,1-Dichloroethene	20.98	0.50	20.00	<0.50	105%	84	140				
Toluene	18.84	3.0	20.00	<3.0	94%	81	114				
Trichloroethene	17.95	0.50	20.00	<0.50	90%	78	119				
4-Bromofluorobenzene	44.30	N/A	50.00	N/A	89%	80	107				
Dibromofluoromethane	42.70	N/A	50.00	N/A	85%	77	104				
1,2-Dichloroethane-d4	40.84	N/A	50.00	N/A	82%	72	111				
Toluene-d8	45.95	N/A	50.00	N/A	92%	84	105				
Sample ID: **0303207-28ASD**	Batch ID: D30325B			Test Code: SW8260B				Date Analyzed: 03/26/03 03:43			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	20.80	0.50	20.00	<0.50	104%	82	119	19.89	4%	13	
Chlorobenzene	19.59	0.50	20.00	<0.50	98%	82	110	18.47	6%	13	
1,1-Dichloroethene	21.74	0.50	20.00	<0.50	109%	84	140	20.98	4%	15	
Toluene	20.12	3.0	20.00	<3.0	101%	81	114	18.84	7%	14	
Trichloroethene	19.23	0.50	20.00	<0.50	96%	78	119	17.95	7%	16	
4-Bromofluorobenzene	45.44	N/A	50.00	N/A	91%	80	107				
Dibromofluoromethane	41.51	N/A	50.00	N/A	83%	77	104				
1,2-Dichloroethane-d4	38.87	N/A	50.00	N/A	78%	72	111				
Toluene-d8	46.18	N/A	50.00	N/A	92%	84	105				

TRANSWEST GEOCHEM

Amended Report

Date: 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Secondary Source Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D30321A**	Batch ID: D30321C			Test Code: SW8260B				Date Analyzed: 03/21/03 10:41			
				Units: µg/L				Date Prepared: N/A			
Benzene	22.05	0.50	20.00	<0.50	110%	81	120				
Chlorobenzene	18.60	0.50	20.00	<0.50	93%	85	111				
1,1-Dichloroethene	20.24	0.50	20.00	<0.50	101%	66	151				
Toluene	19.82	3.0	20.00	<3.0	99%	82	115				
Trichloroethene	20.06	0.50	20.00	<0.50	100%	79	112				
4-Bromofluorobenzene	41.58	N/A	50.00	N/A	83%	80	107				
Dibromofluoromethane	45.42	N/A	50.00	N/A	91%	77	104				
1,2-Dichloroethane-d4	48.44	N/A	50.00	N/A	97%	72	111				
Toluene-d8	43.66	N/A	50.00	N/A	87%	84	105				
Sample ID: **LCSVD-D30321A**	Batch ID: D30321C			Test Code: SW8260B				Date Analyzed: 03/21/03 11:19			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.68	0.50	20.00	<0.50	103%	81	120	22.05	6%	16	
Chlorobenzene	17.74	0.50	20.00	<0.50	89%	85	111	18.60	5%	14	
1,1-Dichloroethene	19.60	0.50	20.00	<0.50	98%	66	151	20.24	3%	16	
Toluene	18.19	3.0	20.00	<3.0	91%	82	115	19.82	9%	16	
Trichloroethene	18.48	0.50	20.00	<0.50	92%	79	112	20.06	8%	18	
4-Bromofluorobenzene	40.10	N/A	50.00	N/A	80%	80	107				
Dibromofluoromethane	45.96	N/A	50.00	N/A	92%	77	104				
1,2-Dichloroethane-d4	49.39	N/A	50.00	N/A	99%	72	111				
Toluene-d8	42.90	N/A	50.00	N/A	86%	84	105				
Sample ID: **LCSV-D30322A**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 14:40			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.71	0.50	20.00	<0.50	104%	81	120				
Chlorobenzene	18.58	0.50	20.00	<0.50	93%	85	111				
1,1-Dichloroethene	19.45	0.50	20.00	<0.50	97%	66	151				
Toluene	20.76	3.0	20.00	<3.0	104%	82	115				
Trichloroethene	18.69	0.50	20.00	<0.50	93%	79	112				
4-Bromofluorobenzene	41.29	N/A	50.00	N/A	83%	80	107				
Dibromofluoromethane	43.76	N/A	50.00	N/A	88%	77	104				
1,2-Dichloroethane-d4	47.25	N/A	50.00	N/A	95%	72	111				
Toluene-d8	45.67	N/A	50.00	N/A	91%	84	105				

TRANSWEST GEOCHEM

Amended Report

Date: 08-Apr-03

License No. AZM133/AZ0133

CLIENT: Brown & Caldwell
Work Order: 0303269
Project: Dolphin/22413.400

QC SUMMARY REPORT

Secondary Source Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD-D30322A**	Batch ID: D30322A			Test Code: SW8260B				Date Analyzed: 03/22/03 15:18			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.47	0.50	20.00	<0.50	102%	81	120	20.71	1%	16	
Chlorobenzene	17.43	0.50	20.00	<0.50	87%	85	111	18.58	6%	14	
1,1-Dichloroethene	19.36	0.50	20.00	<0.50	97%	66	151	19.45	0%	16	
Toluene	17.86	3.0	20.00	<3.0	89%	82	115	20.76	15%	16	
Trichloroethene	18.86	0.50	20.00	<0.50	94%	79	112	18.69	1%	18	
4-Bromofluorobenzene	40.27	N/A	50.00	N/A	81%	80	107				
Dibromofluoromethane	47.07	N/A	50.00	N/A	94%	77	104				
1,2-Dichloroethane-d4	49.78	N/A	50.00	N/A	100%	72	111				
Toluene-d8	42.23	N/A	50.00	N/A	84%	84	105				
Sample ID: **LCSV-D3025B**	Batch ID: D30325B			Test Code: SW8260B				Date Analyzed: 03/25/03 22:03			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.09	0.50	20.00	<0.50	100%	81	120				
Chlorobenzene	19.51	0.50	20.00	<0.50	98%	85	111				
1,1-Dichloroethene	19.41	0.50	20.00	<0.50	97%	66	151				
Toluene	19.50	3.0	20.00	<3.0	98%	82	115				
Trichloroethene	18.23	0.50	20.00	<0.50	91%	79	112				
4-Bromofluorobenzene	45.05	N/A	50.00	N/A	90%	80	107				
Dibromofluoromethane	42.61	N/A	50.00	N/A	85%	77	104				
1,2-Dichloroethane-d4	41.47	N/A	50.00	N/A	83%	72	111				
Toluene-d8	47.44	N/A	50.00	N/A	95%	84	105				
Sample ID: **LCSVD-D3025B**	Batch ID: D30325B			Test Code: SW8260B				Date Analyzed: 03/25/03 22:41			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.33	0.50	20.00	<0.50	107%	81	120	20.09	6%	16	
Chlorobenzene	19.92	0.50	20.00	<0.50	100%	85	111	19.51	2%	14	
1,1-Dichloroethene	20.79	0.50	20.00	<0.50	104%	66	151	19.41	7%	16	
Toluene	20.22	3.0	20.00	<3.0	101%	82	115	19.50	4%	16	
Trichloroethene	19.36	0.50	20.00	<0.50	97%	79	112	18.23	6%	18	
4-Bromofluorobenzene	46.16	N/A	50.00	N/A	92%	80	107				
Dibromofluoromethane	42.77	N/A	50.00	N/A	86%	77	104				
1,2-Dichloroethane-d4	40.38	N/A	50.00	N/A	81%	72	111				
Toluene-d8	46.62	N/A	50.00	N/A	93%	84	105				

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: 033269

Date 3-19-03 Page 1 of 1

Project Manager:	JEANNIE CHANG
Client Name:	BROWN & CALDWELL
Address:	201 E. WASHINGTON #500
City, State ZIP:	PHOENIX, AZ. 85004
Phone:	602-567-3813 Fax: 602-567-4001

Bill to:	DOLPHIN
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	~~TBD~~ 22413.400
Project Name:	DOLPHIN
Project Number:	22413.400

SAMPLE RECEIPT

Temperature: 19	Ambient / Cold	Ice:
Received Intact:	Y N	Absent / Present
Custody Seals:		Wet / Blue
Total No. of Containers:	19	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	EPA 8260 PLUS FREON 113	Comments
DIMW2-410	H2O	3/19/03	1318	1	3												X	
DIMW2-345	H2O	3/19/03	1334	2	3												X	
DIMW2-240	H2O	3/19/03	1351	3	3												X	
DIMW2-165	H2O	3/19/03	1405	4	3												X	
DIMW2-170	H2O	3/19/03	1415	5	3												X	
DIMW2-EB	H2O	3/19/03	1435	6	3												X	
TB	H2O			7	1												X	

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1	TIMOTHY P. KEEFE	3/19/03 1640			
2					
3					

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised: 6/29/00

TRANSWEST
GEOCHEM

April 07, 2003

Steve Smelser
Geotechnical & Env. Cons., Inc.
1900 W. Broadway Rd.
Tempe, AZ 85282

RE: 94-0069N
Work Order No.: 0303327

Dear Steve,

Transwest Geochem, Inc. received 6 samples on 3/24/2003 2:19:00 PM for the analyses presented in the following report.

The Case Narrative of this report addresses any Quality Control and/or Quality Assurance issues associated with this Work Order.

If you have any questions regarding these test results, please feel free to call us at (602) 437-0330.

Sincerely,

Beth Proffitt
Project Manager

ADHS License No. AZM133/AZ0133

Date Printed: 07-Apr-03

Client: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project Name:
Project Number: 94-0069N

CASE NARRATIVE

Transwest Geochem, Inc. uses the methods outlined in the following references:

Code of Federal Regulations, 40CFR, Part 136, Revised July 1995.

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992 and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, Revised August 1993.

Methods for the Determination of Metals in Environmental Samples, EPA/600/R-94/111, Revised May 1994.

Hach, Water Analysis Handbook, 2nd Edition, 1992.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

Metals were analyzed using multi-element ICP instrumentation. Some metals reported in the QC report may not be associated with this Work Order.

Secondary Source QC Sample (LCSV) results may not be reported for all methods and/or analysis dates.

The sample introduction technique for Method 8015AZ used by this laboratory is direct injection.

All method blanks, laboratory spikes, and/or matrix spikes met quality control objectives for the parameters associated with this Work Order except as detailed below or on the Data Qualifier page of this report. Data Qualifiers used in this report are in accordance with ADEQ Arizona Data Qualifiers, Revision 1.0 05/13/2002.

Data qualifiers ("flags") contained within this analytical report have been issued to explain a quality control deficiency, and do not affect the quality (validity) of the data unless noted otherwise in the case narrative.

Analytical Comments for Method SW8260B, Matrix Spike Duplicate 0303207-34, Batch D30327D: The RPD for the matrix spikes exceeded laboratory limits. The recoveries and RPDs for the blank

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spikes were acceptable.

Analytical Comments for Method SW8260B, Matrix Spike Duplicate 0303207-39, Batch D30328A: The RPD for the matrix spikes exceeded laboratory limits. The recoveries and RPDs for the blank spikes were acceptable.

Analytical Comments for Method SW8260B, Matrix Spike Duplicate 0303207-40, Batch D30328B: The RPD for the matrix spikes exceeded laboratory limits. The recoveries and RPDs for the blank spikes were acceptable.

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TRANSWEST GEOCHEM

Date Printed 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Project Name:
Project Number: 94-0069N
Work Order: 0303327
Date Received: 24-Mar-03

Case Narrative
Data Qualifiers

One or more of the following data qualifiers may be associated with your analytical and/or quality control data.

D2	Sample required dilution due to high concentration of target analyte.
M2	Matrix spike recovery was low, the method control sample recovery was acceptable.
R2	RPD exceeded the laboratory control limit. See case narrative.

TRANSWEST GEOCHEM

Date Printed 03-Apr-03
License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Project Name:
Project Number: 94-0069N
Work Order: 0303327
Date Received: 24-Mar-03

Work Order Sample Summary

Client Sample ID	Lab Sample ID	Test Code	Collection Date
PS-2	0303327-01A	SW8260B	3/24/2003 12:07:00 PM
PS-4	0303327-02A	SW8260B	3/24/2003 10:30:00 AM
PS-9	0303327-03A	SW8260B	3/24/2003 9:46:00 AM
PS-15	0303327-04A	SW8260B	3/24/2003 11:15:00 AM
Equipment Blank	0303327-05A	SW8260B	3/24/2003 12:30:00 AM
Trip Blank	0303327-06A	SW8260B	3/24/2003 9:46:00 AM

CLIENT: Geotechnical & Env. Cons., Inc.
Project Name:
Project Number: 94-0069N
Work Order: 0303327
Date Received: 24-Mar-03

Definitions

Analytical Spike (AS)	The AS is a known amount of a target analyte added to a sample after it has been distilled, digested, or extracted and is ready for analysis. The AS is generally performed if the MS has failed. It is used to indicate interference that arises from sample distillation, digestion, or extraction as opposed to interference that is innate to the matrix.
Continuing Curve Verification (CCV)	The CCV is also referred to as a curve check. This is a standard analyzed at specified intervals during an analysis. The CCV verifies the stability and accuracy of the calibration curve. There are specific CCV recovery acceptance criteria for each method.
Dilution Factor (DF)	The DF is an indication of how much a sample had to be diluted in order to quantitate it on a standard curve. The DF is indicated in the reported sample result. The sample PQL increases as the dilution increases.
Internal Standard (IS)	The IS is a compound that is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. The same concentration of IS is added to every sample for some organic methods.
Laboratory Control Sample (LCS)	The LCS is also referred to as a blank spike. The LCS is an addition of a known amount of a target analyte (from the same source as calibration standards or spikes) to an aliquot of deionized water or other appropriate clean matrix. The LCS is processed through the entire method procedure in the same manner as samples.
Matrix Spike (MS)	The MS is a known amount of a target analyte added to a sample. The MS is processed through the entire method procedure in the same manner as samples.
Method Blank (MB)	The MB is an aliquot of deionized water or other appropriate clean matrix that is thought to be free of the analyte in question. The MB is processed through the entire extraction or analysis procedure and is used to indicate contamination in the lab.
Method Detection Limit (MDL)	The MDL is the lowest level of detection of which a method is capable.
Practical Quantitation Limit (PQL)	The PQL is the lowest value at which Transwest Geochem can detect an analyte in matrix with a high degree of confidence. The PQL will increase as the DF increases. The PQL is greater than or equal to the MDL.
Relative Percent Difference (RPD)	The RPD is a measure of precision (the ability to obtain the same result on re-analysis of the same sample). It is calculated using the result of a sample, MS, LCS, or LCSV and its associated duplicate result.
Secondary Source QC Sample (LCSV)	The LCSV is also referred to as a second source laboratory control sample. It is the same type of standard as a calibration or spiking standard but is obtained from a different source. The LCSV is an indication of the primary standard quality, method performance, and instrument performance.
Surrogate	A surrogate compound is similar to the organic compound of interest in terms of chemical composition but is unique in that it is rare in the environment. When surrogates are used, they are added to every sample, blank and standard. Surrogate recovery is used as an indication of extraction and/or analytical success.
Trip Blank (TB)	The TB is a portion of deionized water preserved in the same manner as the samples. The TB travels from the lab, to the field, and then back to the lab with the samples from the field. The TB serves as an indication of contamination introduced during sample transportation.

TRANSWEST GEOCHEM

Date Printed 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-01
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-2
Collection Date: 3/24/2003 12:07:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Chloroform	4.6	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,1-Dichloroethane	5.9	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,1-Dichloroethene	35	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-01
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-2
Collection Date: 3/24/2003 12:07:00 PM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Tetrachloroethene	2.9	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,1,1-Trichloroethane	69	2.5	D2	µg/L	5.0	SW8260B	N/A	3/29/03 06:37	JH	D30328B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Trichloroethene	1.5	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
4-Bromofluorobenzene(Surrogate)	96	80-107		%REC	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Dibromofluoromethane(Surrogate)	91	77-104		%REC	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
1,2-Dichloroethane-d4(Surrogate)	94	72-111		%REC	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D
Toluene-d8(Surrogate)	93	84-105		%REC	1.0	SW8260B	N/A	3/28/03 13:43	JH	D30327D

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TRANSWEST GEOCHEM

Date Printed 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-02
Projeet Name:
Project Number: 94-0069N

Client Sample ID: PS-4
Collection Date: 3/24/2003 10:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Chloroform	3.5	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2-Dichloroethane	1.3	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-02
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-4
Collection Date: 3/24/2003 10:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Tetrachloroethene	10	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Trichloroethene	24	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
4-Bromofluorobenzene(Surrogate)	101	80-107		%REC	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Dibromofluoromethane(Surrogate)	85	77-104		%REC	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
1,2-Dichloroethane-d4(Surrogate)	87	72-111		%REC	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D
Toluene-d8(Surrogate)	93	84-105		%REC	1.0	SW8260B	N/A	3/28/03 11:51	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-03
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-9
Collection Date: 3/24/2003 9:46:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Chloroform	6.2	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-03
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-9
Collection Date: 3/24/2003 9:46:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Tetrachloroethene	5.8	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Trichloroethene	7.2	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
4-Bromofluorobenzene(Surrogate)	96	80-107		%REC	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Dibromofluoromethane(Surrogate)	89	77-104		%REC	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
1,2-Dichloroethane-d4(Surrogate)	92	72-111		%REC	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D
Toluene-d8(Surrogate)	91	84-105		%REC	1.0	SW8260B	N/A	3/28/03 12:27	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-04
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-15
Collection Date: 3/24/2003 11:15:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Chloroform	4.5	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,1-Dichloroethane	5.9	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,1-Dichloroethene	22	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-04
Project Name:
Project Number: 94-0069N

Client Sample ID: PS-15
Collection Date: 3/24/2003 11:15:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Tetrachloroethene	2.9	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,1,1-Trichloroethane	73	2.5	D2	µg/L	5.0	SW8260B	N/A	3/29/03 07:14	JH	D30328B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Trichloroethene	1.4	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
4-Bromofluorobenzene(Surrogate)	95	80-107		%REC	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Dibromofluoromethane(Surrogate)	89	77-104		%REC	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
1,2-Dichloroethane-d4(Surrogate)	93	72-111		%REC	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D
Toluene-d8(Surrogate)	92	84-105		%REC	1.0	SW8260B	N/A	3/28/03 13:05	JH	D30327D

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-05
Project Name:
Project Number: 94-0069N

Client Sample ID: Equipment Blank
Collection Date: 3/24/2003 12:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A

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CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-05
Project Name:
Project Number: 94-0069N

Client Sample ID: Equipment Blank
Collection Date: 3/24/2003 12:30:00 AM
Matrix: WATER

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
4-Bromofluorobenzene(Surrogate)	92	80-107		%REC	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Dibromofluoromethane(Surrogate)	93	77-104		%REC	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
1,2-Dichloroethane-d4(Surrogate)	98	72-111		%REC	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A
Toluene-d8(Surrogate)	91	84-105		%REC	1.0	SW8260B	N/A	3/29/03 01:34	JH	D30328A

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TRANSWEST GEOCHEM

Date Printed 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-06
Project Name:
Project Number: 94-0069N

Client Sample ID: Trip Blank
Collection Date: 3/24/2003 9:46:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Benzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Bromobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Bromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Bromodichloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Bromoform	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Bromomethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
2-Butanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
n-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
sec-Butylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
tert-Butylbenzene	<2.5	2.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Carbon tetrachloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Chlorobenzene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Chloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Chloroform	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Chloromethane	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
2-Chlorotoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
4-Chlorotoluene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Dibromochloromethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2-Dibromoethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2-Dichloroethane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,3-Dichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
2,2-Dichloropropane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Ethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
2-Hexanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
4-Isopropyltoluene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Methylene chloride	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
n-Propylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A

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TRANSWEST GEOCHEM

Date Printed 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Lab ID: 0303327-06
Project Name:
Project Number: 94-0069N

Client Sample ID: Trip Blank
Collection Date: 3/24/2003 9:46:00 AM
Matrix: TRIP BLANK

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Styrene	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Tetrachloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Toluene	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Trichloroethene	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Trichlorofluoromethane	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Vinyl acetate	<5.0	5.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Vinyl chloride	<0.50	0.50		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Xylenes, Total	<3.0	3.0		µg/L	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
4-Bromofluorobenzene(Surrogate)	91	80-107		%REC	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Dibromofluoromethane(Surrogate)	90	77-104		%REC	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
1,2-Dichloroethane-d4(Surrogate)	96	72-111		%REC	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A
Toluene-d8(Surrogate)	94	84-105		%REC	1.0	SW8260B	N/A	3/29/03 00:57	JH	D30328A

Confidential and Privileged

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
4-Bromofluorobenzene	94	80-107		%REC	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Dibromofluoromethane	89	77-104		%REC	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
1,2-Dichloroethane-d4	89	72-111		%REC	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D
Toluene-d8	92	84-105		%REC	1	SW8260B	N/A	3/28/03 4:26:00 AM	JH	D30327D

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
4-Bromofluorobenzene	94	80-107		%REC	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Dibromofluoromethane	89	77-104		%REC	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
1,2-Dichloroethane-d4	91	72-111		%REC	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A
Toluene-d8	95	84-105		%REC	1	SW8260B	N/A	3/28/03 4:47:00 PM	JH	D30328A

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Acetone	<20	20		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Benzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Bromobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Bromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Bromodichloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Bromoform	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Bromomethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
2-Butanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
n-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
sec-Butylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
tert-Butylbenzene	<2.5	2.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Carbon tetrachloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Chlorobenzene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Chloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Chloroform	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Chloromethane	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
2-Chlorotoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
4-Chlorotoluene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Dibromochloromethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2-Dibromoethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,3-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,4-Dichlorobenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Dichlorodifluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2-Dichloroethane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
cis-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
trans-1,2-Dichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,3-Dichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
2,2-Dichloropropane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
cis-1,3-Dichloropropene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
trans-1,3-Dichloropropene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Ethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
2-Hexanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
4-Isopropyltoluene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Methyl tert-butyl ether	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
4-Methyl-2-pentanone	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Methylene chloride	<3.0	3.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
n-Propylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Styrene	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1,2,2-Tetrachloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Tetrachloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Method Blank

Analyte	Result	PQL	Qual	Units	DF	Test Code	Date Prepared	Date Analyzed	Analyst	Batch ID
Toluene	<3.0	3.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2,3-Trichlorobenzene	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1,1-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,1,2-Trichloroethane	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Trichloroethene	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Trichlorofluoromethane	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2,3-Trichloropropane	<1.0	1.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2,4-Trimethylbenzene	<2.0	2.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,3,5-Trimethylbenzene	<1.5	1.5		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Vinyl acetate	<5.0	5.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Vinyl chloride	<0.50	0.50		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Xylenes, Total	<3.0	3.0		µg/L	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
4-Bromofluorobenzene	93	80-107		%REC	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Dibromofluoromethane	91	77-104		%REC	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
1,2-Dichloroethane-d4	93	72-111		%REC	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B
Toluene-d8	92	84-105		%REC	1	SW8260B	N/A	3/29/03 5:21:00 AM	JH	D30328B

TRANSWEST GEOCHEM

Date: 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-34AS**	Batch ID: D30327D			Test Code: SW8260B				Date Analyzed: 03/28/03 07:36			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	16.28	0.50	20.00	<0.50	81%	82	119				M2
Chlorobenzene	14.32	0.50	20.00	<0.50	72%	82	110				M2
1,1-Dichloroethene	15.64	0.50	20.00	<0.50	78%	84	140				M2
Toluene	14.40	3.0	20.00	<3.0	72%	81	114				M2
Trichloroethene	13.59	0.50	20.00	<0.50	68%	78	119				M2
4-Bromofluorobenzene	46.21	N/A	50.00	N/A	92%	80	107				
Dibromofluoromethane	45.18	N/A	50.00	N/A	90%	77	104				
1,2-Dichloroethane-d4	45.08	N/A	50.00	N/A	90%	72	111				
Toluene-d8	45.63	N/A	50.00	N/A	91%	84	105				
Sample ID: **0303207-34ASD**	Batch ID: D30327D			Test Code: SW8260B				Date Analyzed: 03/28/03 08:11			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	19.57	0.50	20.00	<0.50	98%	82	119	16.28	18%	13	R2
Chlorobenzene	17.61	0.50	20.00	<0.50	88%	82	110	14.32	21%	13	R2
1,1-Dichloroethene	20.67	0.50	20.00	<0.50	103%	84	140	15.64	28%	15	R2
Toluene	18.35	3.0	20.00	<3.0	92%	81	114	14.40	24%	14	R2
Trichloroethene	17.84	0.50	20.00	<0.50	89%	78	119	13.59	27%	16	R2
4-Bromofluorobenzene	46.13	N/A	50.00	N/A	92%	80	107				
Dibromofluoromethane	44.07	N/A	50.00	N/A	88%	77	104				
1,2-Dichloroethane-d4	43.42	N/A	50.00	N/A	87%	72	111				
Toluene-d8	45.80	N/A	50.00	N/A	92%	84	105				
Sample ID: **0303207-39AS**	Batch ID: D30328A			Test Code: SW8260B				Date Analyzed: 03/28/03 21:10			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	16.19	0.50	20.00	<0.50	81%	82	119				M2
Chlorobenzene	14.39	0.50	20.00	<0.50	72%	82	110				M2
1,1-Dichloroethene	16.62	0.50	20.00	<0.50	83%	84	140				M2
Toluene	14.48	3.0	20.00	<3.0	72%	81	114				M2
Trichloroethene	14.42	0.50	20.00	<0.50	72%	78	119				M2
4-Bromofluorobenzene	44.02	N/A	50.00	N/A	88%	80	107				
Dibromofluoromethane	46.35	N/A	50.00	N/A	93%	77	104				
1,2-Dichloroethane-d4	48.51	N/A	50.00	N/A	97%	72	111				
Toluene-d8	44.88	N/A	50.00	N/A	90%	84	105				

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Sample Matrix Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **0303207-39ASD**	Batch ID: D30328A			Test Code: SW8260B				Date Analyzed: 03/28/03 21:48			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	16.74	0.50	20.00	<0.50	84%	82	119	16.19	3%	13	
Chlorobenzene	14.65	0.50	20.00	<0.50	73%	82	110	14.39	2%	13	M2
1,1-Dichloroethene	17.04	0.50	20.00	<0.50	85%	84	140	16.62	2%	15	
Toluene	15.02	3.0	20.00	<3.0	75%	81	114	14.48	4%	14	M2
Trichloroethene	14.92	0.50	20.00	<0.50	75%	78	119	14.42	3%	16	M2
4-Bromofluorobenzene	44.35	N/A	50.00	N/A	89%	80	107				
Dibromofluoromethane	46.17	N/A	50.00	N/A	92%	77	104				
1,2-Dichloroethane-d4	46.07	N/A	50.00	N/A	92%	72	111				
Toluene-d8	47.19	N/A	50.00	N/A	94%	84	105				
Sample ID: **0303207-40AS**	Batch ID: D30328B			Test Code: SW8260B				Date Analyzed: 03/29/03 11:38			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	13.12	0.50	20.00	<0.50	66%	82	119				M2
Chlorobenzene	11.41	0.50	20.00	<0.50	57%	82	110				M2
1,1-Dichloroethene	11.56	0.50	20.00	<0.50	58%	84	140				M2
Toluene	10.86	3.0	20.00	<3.0	54%	81	114				M2
Trichloroethene	10.92	0.50	20.00	<0.50	55%	78	119				M2
4-Bromofluorobenzene	44.36	N/A	50.00	N/A	89%	80	107				
Dibromofluoromethane	46.94	N/A	50.00	N/A	94%	77	104				
1,2-Dichloroethane-d4	48.24	N/A	50.00	N/A	96%	72	111				
Toluene-d8	45.20	N/A	50.00	N/A	90%	84	105				
Sample ID: **0303207-40ASD**	Batch ID: D30328B			Test Code: SW8260B				Date Analyzed: 03/29/03 12:16			
Client ID:				Units: µg/L				Date Prepared: N/A			
Benzene	18.40	0.50	20.00	<0.50	92%	82	119	13.12	34%	13	R2
Chlorobenzene	16.19	0.50	20.00	<0.50	81%	82	110	11.41	35%	13	M2,R2
1,1-Dichloroethene	18.89	0.50	20.00	<0.50	94%	84	140	11.56	48%	15	R2
Toluene	16.35	3.0	20.00	<3.0	82%	81	114	10.86	40%	14	R2
Trichloroethene	16.32	0.50	20.00	<0.50	82%	78	119	10.92	40%	16	R2
4-Bromofluorobenzene	44.51	N/A	50.00	N/A	89%	80	107				
Dibromofluoromethane	46.25	N/A	50.00	N/A	93%	77	104				
1,2-Dichloroethane-d4	47.60	N/A	50.00	N/A	95%	72	111				
Toluene-d8	45.63	N/A	50.00	N/A	91%	84	105				

Confidential and Privileged

TRANSWEST GEOCHEM

Date: 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Secondary Source Blank Spike

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSV-D30327B**	Batch ID: D30327D			Test Code: SW8260B				Date Analyzed: 03/28/03 03:10			
				Units: µg/L				Date Prepared: N/A			
Benzene	20.01	0.50	20.00	<0.50	100%	81	120				
Chlorobenzene	18.63	0.50	20.00	<0.50	93%	85	111				
1,1-Dichloroethene	19.75	0.50	20.00	<0.50	99%	66	151				
Toluene	19.03	3.0	20.00	<3.0	95%	82	115				
Trichloroethene	17.94	0.50	20.00	<0.50	90%	79	112				
4-Bromofluorobenzene	44.87	N/A	50.00	N/A	90%	80	107				
Dibromofluoromethane	44.83	N/A	50.00	N/A	90%	77	104				
1,2-Dichloroethane-d4	45.19	N/A	50.00	N/A	90%	72	111				
Toluene-d8	46.64	N/A	50.00	N/A	93%	84	105				
Sample ID: **LCSVD-D30327B**	Batch ID: D30327D			Test Code: SW8260B				Date Analyzed: 03/28/03 03:48			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.63	0.50	20.00	<0.50	108%	81	120	20.01	8%	16	
Chlorobenzene	19.87	0.50	20.00	<0.50	99%	85	111	18.63	6%	14	
1,1-Dichloroethene	21.70	0.50	20.00	<0.50	109%	66	151	19.75	9%	16	
Toluene	20.12	3.0	20.00	<3.0	101%	82	115	19.03	6%	16	
Trichloroethene	19.40	0.50	20.00	<0.50	97%	79	112	17.94	8%	18	
4-Bromofluorobenzene	44.12	N/A	50.00	N/A	88%	80	107				
Dibromofluoromethane	44.56	N/A	50.00	N/A	89%	77	104				
1,2-Dichloroethane-d4	44.64	N/A	50.00	N/A	89%	72	111				
Toluene-d8	46.74	N/A	50.00	N/A	93%	84	105				
Sample ID: **LCSV-D30328A**	Batch ID: D30328A			Test Code: SW8260B				Date Analyzed: 03/28/03 15:36			
				Units: µg/L				Date Prepared: N/A			
Benzene	19.93	0.50	20.00	<0.50	100%	81	120				
Chlorobenzene	18.82	0.50	20.00	<0.50	94%	85	111				
1,1-Dichloroethene	19.75	0.50	20.00	<0.50	99%	66	151				
Toluene	19.01	3.0	20.00	<3.0	95%	82	115				
Trichloroethene	18.01	0.50	20.00	<0.50	90%	79	112				
4-Bromofluorobenzene	48.32	N/A	50.00	N/A	97%	80	107				
Dibromofluoromethane	43.39	N/A	50.00	N/A	87%	77	104				
1,2-Dichloroethane-d4	44.19	N/A	50.00	N/A	88%	72	111				
Toluene-d8	46.53	N/A	50.00	N/A	93%	84	105				

TRANSWEST GEOCHEM

Date: 03-Apr-03

License No. AZM133/AZ0133

CLIENT: Geotechnical & Env. Cons., Inc.
Work Order: 0303327
Project: 94-0069N

QC SUMMARY REPORT

Secondary Source Blank Spike Duplicate

Analyte	Result	PQL	SPK value	SPK Ref Val	% Rec	Low Limit	High Limit	RPD Ref Val	% RPD	RPD Limit	Qual
Sample ID: **LCSVD-D30328A**	Batch ID: D30328A			Test Code: SW8260B				Date Analyzed: 03/28/03 16:12			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.01	0.50	20.00	<0.50	105%	81	120	19.93	5%	16	
Chlorobenzene	19.27	0.50	20.00	<0.50	96%	85	111	18.82	2%	14	
1,1-Dichloroethene	21.16	0.50	20.00	<0.50	106%	66	151	19.75	7%	16	
Toluene	19.50	3.0	20.00	<3.0	98%	82	115	19.01	3%	16	
Trichloroethene	19.11	0.50	20.00	<0.50	96%	79	112	18.01	6%	18	
4-Bromofluorobenzene	45.14	N/A	50.00	N/A	90%	80	107				
Dibromofluoromethane	44.30	N/A	50.00	N/A	89%	77	104				
1,2-Dichloroethane-d4	43.45	N/A	50.00	N/A	87%	72	111				
Toluene-d8	46.40	N/A	50.00	N/A	93%	84	105				
Sample ID: **LCSV-D30328B**	Batch ID: D30328B			Test Code: SW8260B				Date Analyzed: 03/29/03 04:05			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.93	0.50	20.00	<0.50	110%	81	120				
Chlorobenzene	19.44	0.50	20.00	<0.50	97%	85	111				
1,1-Dichloroethene	22.69	0.50	20.00	<0.50	113%	66	151				
Toluene	19.94	3.0	20.00	<3.0	100%	82	115				
Trichloroethene	19.72	0.50	20.00	<0.50	99%	79	112				
4-Bromofluorobenzene	44.04	N/A	50.00	N/A	88%	80	107				
Dibromofluoromethane	47.35	N/A	50.00	N/A	95%	77	104				
1,2-Dichloroethane-d4	48.19	N/A	50.00	N/A	96%	72	111				
Toluene-d8	46.61	N/A	50.00	N/A	93%	84	105				
Sample ID: **LCSVD-D30328B**	Batch ID: D30328B			Test Code: SW8260B				Date Analyzed: 03/29/03 04:42			
				Units: µg/L				Date Prepared: N/A			
Benzene	21.19	0.50	20.00	<0.50	106%	81	120	21.93	3%	16	
Chlorobenzene	18.92	0.50	20.00	<0.50	95%	85	111	19.44	3%	14	
1,1-Dichloroethene	21.10	0.50	20.00	<0.50	106%	66	151	22.69	7%	16	
Toluene	19.28	3.0	20.00	<3.0	96%	82	115	19.94	3%	16	
Trichloroethene	18.61	0.50	20.00	<0.50	93%	79	112	19.72	6%	18	
4-Bromofluorobenzene	44.15	N/A	50.00	N/A	88%	80	107				
Dibromofluoromethane	46.13	N/A	50.00	N/A	92%	77	104				
1,2-Dichloroethane-d4	46.49	N/A	50.00	N/A	93%	72	111				
Toluene-d8	46.77	N/A	50.00	N/A	94%	84	105				

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: Q303327

Date 3/24/03 Page 1 of 1

Project Manager:	Steve Smelser
Client Name:	GEC
Address:	1900 W. Broadway Road
City, State ZIP:	Tempe, AZ 85282
Phone:	480-966-8631 Fax: 480-966-8821

Bill to:	GEC
Company:	
Address:	
City, State ZIP:	
Phone:	Fax:

P.O. No.:	94-0069N
Project Name:	—
Project Number:	94-0069N

SAMPLE RECEIPT

Temperature: 2.1°	Ambient / Cold	Ice:
Received Intact:	Y	Absent / Present
Custody Seals:	N	Wet / Blue
Total No. of Containers:	16	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	Comments
PS-2	Water	3/24/03	1207	1	3				/								
PS-4	"	"	1030	2	3				/								
PS-9	"	"	0946	3	3				/								
PS-15	"	"	1115	4	3				/								
Equipment Blank	"	"	1230	5	3				/								
Trip Blank	"	3/19/03	1000	6	1												

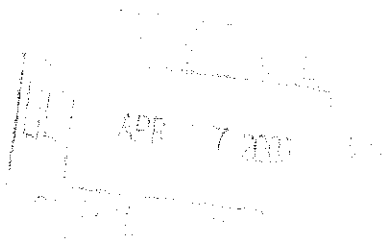
Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 David Foreman	David Foreman	3/24/03		Skip Horden	3/24/03 17:19
2					
3					

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised : 6/29/00

April 4, 2003

Dino Gotsis
Allen, Stephenson & Associates
1130 E. Missouri Ave., Suite 110
Phoenix, AZ 85014



Re: Alsco/112.5
Work Order No.: 0303292

Dear Dino,

Attached is the original Report of Analysis from Precision Analytical Laboratories, Inc. for the samples received on 03/20/2003 4:30:00 PM. The following analysis was performed:

Method SW8260B – Volatiles By GC/MS

If you have any questions regarding the results, please call me. We appreciate your business and thank you for choosing Transwest Geochem.

Sincerely,

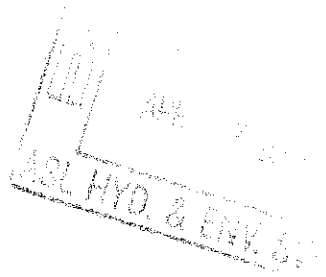
Vic Nielsen
Project Manager

ADHS License No. AZM133/AZ0133

CONFIDENTIAL AND PRIVILEGED

Precision Analytical Laboratories
a division of Aerotech Laboratories, Inc.

April 01, 2003



Vic Nielsen
Transwest Geochem, Inc.
3725 E. Atlanta Avenue, Suite 2
Phoenix, AZ 85040

RE: Alsco 112.05/0303292

Dear Vic Nielsen: Order No.: 03031066

Precision Analytical Laboratories received 4 samples on 3/27/2003 for the analyses presented in the following report.

This report includes the following information:
- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Carlene McCutcheon
Project Manager

Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT: Transwest Geochem, Inc.
Project: Alsco 112.05/0303292
Lab Order: 03031066

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
03031066-01A	MW-2	01A	3/20/2003 1:45:00 PM	3/27/2003
03031066-02A	MW-3	02A	3/20/2003 10:25:00 AM	3/27/2003
03031066-03A	MW-4	03A	3/20/2003 11:45:00 AM	3/27/2003
03031066-04A	TRIP BLANK	04A	3/20/2003 10:25:00 AM	3/27/2003

orporate Address 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4800 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com
lain Laboratory 1725 W. 17th Street Tempe, AZ 85281 Phone: 480-967-1310 Toll Free: 866-772-5227 Fax: 480-967-1019 www.palabs.com

Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT: Transwest Geochem, Inc.
Project: Alsco 112.05/0303292
Lab Order: 03031066

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1995. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Precision Analytical Laboratories, Inc. (PAL) holds Arizona certification no. AZ0610 and PAL-Tucson holds Arizona certification no. AZ0609.

Aerotech Laboratories, Inc. (PAL division - Laboratory ID 154268) is accredited by the American Industrial Hygiene Association (AIHA) in the industrial hygiene program for the analytical techniques noted on the scope of accreditation. PAL participates in the AIHA Environmental Lead Proficiency Analytical Testing (ELPAT) program for lead in soil, paint chips and dust wipes.

Analytical Comments:
All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:
Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

B1 Target analyte detected in method blank at or above the method reporting limit.
E4 Concentration estimated. Analyte was detected below laboratory minimum reporting level (MRL).
S2 Surrogate recovery was above laboratory and method acceptance limits.

Corporate Address 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4800 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com
Main Laboratory 1726 W. 17th Street Tempe, AZ 85281 Phone: 480-967-1310 Toll Free: 866-772-5227 Fax: 480-967-1019 www.palabs.com

Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-2
Lab Order:	03031066	**Tag Number:**	01A
Project:	Alsco 112.05/0303292	**Collection Date:**	3/20/2003 1:45:00 PM
Lab ID:	03031066-01A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/28/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,2,4-Trimethylbenzene	12	1.0		µg/L	1	3/28/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,3,5-Trimethylbenzene	12	1.0		µg/L	1	3/28/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/28/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/28/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/28/2003
Acetone	< 20	20		µg/L	1	3/28/2003
Benzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromoform	< 1.0	1.0		µg/L	1	3/28/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/28/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/28/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/28/2003
Chloroform	< 1.0	1.0		µg/L	1	3/28/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/28/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

orporate Address 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4800 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com
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Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-2
Lab Order:	03031066	**Tag Number:**	01A
Project:	Alsco 112.05/0303292	**Collection Date:**	3/20/2003 1:45:00 PM
Lab ID:	03031066-01A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
Ethylbenzene	1.4	1.0		µg/L	1	3/28/2003
m,p-Xylene	30	2.0		µg/L	1	3/28/2003
Methyl tert-butyl ether	< 1.0	1.0	B1	µg/L	1	3/28/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/28/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
o-Xylene	16	1.0		µg/L	1	3/28/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Styrene	< 1.0	1.0		µg/L	1	3/28/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Toluene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Trichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/28/2003
Surr: 4-Bromofluorobenzene	84.9	80.5-103		%REC	1	3/28/2003
Surr: Dibromofluoromethane	96.3	75.9-110		%REC	1	3/28/2003
Surr: Toluene-d8	98.7	79-106		%REC	1	3/28/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-3
Lab Order:	03031066	**Tag Number:**	02A
Project:	Alsco 112.05/0303292	**Collection Date:**	3/20/2003 10:25:00 AM
Lab ID:	03031066-02A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/28/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/28/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/28/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/28/2003
Acetone	< 20	20		µg/L	1	3/28/2003
Benzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromoform	< 1.0	1.0		µg/L	1	3/28/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/28/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/28/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/28/2003
Chloroform	< 1.0	1.0		µg/L	1	3/28/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/28/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
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Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-3
Lab Order:	03031066	**Tag Number:**	02A
Project:	Alsco 112.05/0303292	**Collection Date:**	3/20/2003 10:25:00 AM
Lab ID:	03031066-02A	**Matrix:**	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
Ethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/28/2003
Methyl tert-butyl ether	< 1.0	1.0	B1	µg/L	1	3/28/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/28/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/28/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Styrene	< 1.0	1.0		µg/L	1	3/28/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Toluene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Trichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/28/2003
Surr: 4-Bromofluorobenzene	85.5	80.5-103		%REC	1	3/28/2003
Surr: Dibromofluoromethane	103	75.9-110		%REC	1	3/28/2003
Surr: Toluene-d8	99.9	79-106		%REC	1	3/28/2003

Qualifiers:
- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

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Precision Analytical Laboratories

Date: 01-Apr-03

CLIENT: Transwest Geochem. Inc.
Lab Order: 03031066
Project: Alsco 112.05.0303292
Lab ID: 03031066-03A

Client Sample ID: MW-4
Tag Number: 03A
Collection Date: 3/20/2003 11:45:00 AM
Matrix: AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/28/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/28/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/28/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/28/2003
Acetone	< 20	20		µg/L	1	3/28/2003
Benzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromoform	< 1.0	1.0		µg/L	1	3/28/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/28/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/28/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/28/2003
Chloroform	< 1.0	1.0		µg/L	1	3/28/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/28/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	Client Sample ID:	MW-4
Lab Order:	03031066	Tag Number:	03A
Project:	Alsco 112.05/0303292	Collection Date:	3/20/2003 11:45:00 AM
Lab ID:	03031066-03A	Matrix:	AQUEOUS

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
Ethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/28/2003
Methyl tert-butyl ether	< 1.0	1.0	B1	µg/L	1	3/28/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/28/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/28/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Styrene	< 1.0	1.0		µg/L	1	3/28/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Toluene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Trichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/28/2003
Surr: 4-Bromofluorobenzene	86.6	80.5-103		%REC	1	3/28/2003
Surr: Dibromofluoromethane	103	75.9-110		%REC	1	3/28/2003
Surr: Toluene-d8	93.8	79-106		%REC	1	3/28/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

Address: 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4600 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com

Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	Client Sample ID:	TRIP BLANK
Lab Order:	03031066	Tag Number:	04A
Project:	Alsco 112.05/0303292	Collection Date:	3/20/2003 10:25:00 AM
Lab ID:	03031066-04A	Matrix:	TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/28/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/28/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/28/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/28/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/28/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/28/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/28/2003
Acetone	< 20	20		µg/L	1	3/28/2003
Benzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Bromoform	< 1.0	1.0		µg/L	1	3/28/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/28/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/28/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/28/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/28/2003
Chloroform	< 1.0	1.0		µg/L	1	3/28/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/28/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/28/2003

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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Precision Analytical Laboratories

Date: *01-Apr-03*

CLIENT:	Transwest Geochem, Inc.	Client Sample ID:	TRIP BLANK
Lab Order:	03031066	Tag Number:	04A
Project:	Alsco 112.05/0303292	Collection Date:	3/20/2003 10:25:00 AM
Lab ID:	03031066-04A	Matrix:	TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
Ethylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/28/2003
Methyl tert-butyl ether	< 1.0	1.0	B1	µg/L	1	3/28/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/28/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/28/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Styrene	< 1.0	1.0		µg/L	1	3/28/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/28/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Toluene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/28/2003
Trichloroethene	< 1.0	1.0		µg/L	1	3/28/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/28/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/28/2003
Surr: 4-Bromofluorobenzene	86.7	80.5-103		%REC	1	3/28/2003
Surr: Dibromofluoromethane	98.7	75.9-110		%REC	1	3/28/2003
Surr: Toluene-d8	101	79-106		%REC	1	3/28/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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01-Apr-03

Lab Order: 03031066
Client: Transwest Geochem, Inc.
Project: Alsco 112.05/0303292

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
03031066-01A	MW-2	3/20/2003 1:45:00 PM	Aqueous	VOLATILES by GC/MS			3/28/2003
03031066-02A	MW-3	3/20/2003 10:25:00 AM		VOLATILES by GC/MS			3/28/2003
03031066-03A	MW-4	3/20/2003 11:45:00 AM		VOLATILES by GC/MS			3/28/2003
03031066-04A	TRIP BLANK	3/20/2003 10:25:00 AM	Trip Blank	VOLATILES by GC/MS			3/28/2003

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Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3809

PAL

Precision Analytical Laboratories
a division of Aerotech Laboratories, Inc.

Date: *01-Apr-03*

CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-R33742	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383185

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 1.0	1.0									
1,1,2,2-Tetrachloroethane	< 1.0	1.0									
1,1,2-Trichloroethane	< 1.0	1.0									
1,1-Dichloroethane	< 1.0	1.0									
1,1-Dichloroethene	< 1.0	1.0									
1,1-Dichloropropene	< 1.0	1.0									
1,2,3-Trichlorobenzene	< 5.0	5.0									
1,2,3-Trichloropropane	< 1.0	1.0									
1,2,4-Trimethylbenzene	< 1.0	1.0									
1,2-Dibromoethane	< 1.0	1.0									
1,2-Dichlorobenzene	< 1.0	1.0									
1,2-Dichloroethane	< 1.0	1.0									
1,2-Dichloropropane	< 1.0	1.0									
1,3,5-Trimethylbenzene	< 1.0	1.0									
1,3-Dichlorobenzene	< 1.0	1.0									
1,3-Dichloropropane	< 1.0	1.0									
1,4-Dichlorobenzene	< 1.0	1.0									
2,2-Dichloropropane	< 1.0	1.0									
2-Butanone (MEK)	< 5.0	5.0									
2-Chlorotoluene	< 1.0	1.0									
2-Hexanone	< 5.0	5.0									
4-Chlorotoluene	< 1.0	1.0									
4-Isopropyltoluene	< 1.0	1.0									
4-Methyl-2-pentanone	< 5.0	5.0									
Acetone	< 20	20									
Benzene	< 1.0	1.0									
Bromobenzene	< 1.0	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-R33742	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383185

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	< 1.0	1.0									
Bromodichloromethane	< 1.0	1.0									
Bromoform	< 1.0	1.0									
Bromomethane	< 5.0	5.0									
Carbon tetrachloride	< 1.0	1.0									
Chlorobenzene	< 1.0	1.0									
Chloroethane	< 1.0	1.0									
Chloroform	< 1.0	1.0									
Chloromethane	< 1.0	1.0									
cis-1,2-Dichloroethene	< 1.0	1.0									
cis-1,3-Dichloropropene	< 1.0	1.0									
Dibromochloromethane	< 1.0	1.0									
Dichlorodifluoromethane	< 1.0	1.0									
Ethylbenzene	< 1.0	1.0									
m,p-Xylene	< 2.0	2.0									
Methyl tert-butyl ether	1.04	1.0									B1
Methylene chloride	< 2.0	2.0									
n-Butylbenzene	< 1.0	1.0									
n-Propylbenzene	< 1.0	1.0									
o-Xylene	< 1.0	1.0									
sec-Butylbenzene	< 1.0	1.0									
Styrene	< 1.0	1.0									
tert-Butylbenzene	< 1.0	1.0									
Tetrachloroethene	< 1.0	1.0									
Toluene	< 1.0	1.0									
trans-1,2-Dichloroethene	< 1.0	1.0									
trans-1,3-Dichloropropene	< 1.0	1.0									
Trichloroethene	< 1.0	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3803

CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID MB-R33742	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383185

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	< 1.0	1.0									
Vinyl acetate	< 1.0	1.0									
Vinyl chloride	< 1.0	1.0									
Surr: 4-Bromofluorobenzene	47.11	0	50	0	94.2	80.5	103	0	0		
Surr: Dibromofluoromethane	53.31	0	50	0	107	75.9	110	0	0		
Surr: Toluene-d8	53.58	0	50	0	107	79	106	0	0		S2

Sample ID LCS-R33742	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383188

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	47.04	1.0	50	0	94.1	85	115	0	0		
1,1,2,2-Tetrachloroethane	45.39	1.0	50	0	90.8	71.3	115	0	0		
1,1,2-Trichloroethane	47.97	1.0	50	0	95.9	85	115	0	0		
1,1-Dichloroethane	47.43	1.0	50	0	94.9	85	115	0	0		
1,1-Dichloroethene	47.27	1.0	50	0	94.5	85	115	0	0		
1,1-Dichloropropene	48.18	1.0	50	0	96.4	85	115	0	0		
1,2,3-Trichlorobenzene	47.13	5.0	50	0	94.3	72.5	127	0	0		
1,2,3-Trichloropropane	46.12	1.0	50	0	92.2	73.2	114	0	0		
1,2,4-Trimethylbenzene	45.3	1.0	50	0	90.6	85	115	0	0		
1,2-Dibromoethane	48.87	1.0	50	0	97.7	85	115	0	0		
1,2-Dichlorobenzene	47.55	1.0	50	0	95.1	85	115	0	0		
1,2-Dichloroethane	44.46	1.0	50	0	88.9	85	115	0	0		
1,2-Dichloropropane	48.4	1.0	50	0	96.8	85	115	0	0		
1,3,5-Trimethylbenzene	46.02	1.0	50	0	92	85	115	0	0		
1,3-Dichlorobenzene	46.29	1.0	50	0	92.6	85	115	0	0		
1,3-Dichloropropane	47.48	1.0	50	0	95	85	115	0	0		
1,4-Dichlorobenzene	47.56	1.0	50	0	95.1	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	LCS-R33742	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	MS01_030328A
Client ID:	ZZZZZ	Batch ID:	R33742	TestNo:	SW8260B			Analysis Date:	3/28/2003	SeqNo:	383188

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	45.95	1.0	50	0	91.9	57.5	139	0	0		
2-Butanone (MEK)	29.24	5.0	50	0	58.5	56.2	128	0	0		
2-Chlorotoluene	45.67	1.0	50	0	91.3	85	115	0	0		
2-Hexanone	32.81	5.0	50	0	65.6	62.4	124	0	0		
4-Chlorotoluene	45.49	1.0	50	0	91	85	115	0	0		
4-Isopropyltoluene	47.26	1.0	50	0	94.5	85	115	0	0		
4-Methyl-2-pentanone	44.69	5.0	50	0	89.4	65.9	120	0	0		
Acetone	17.94	20	50	0	35.9	34.1	157	0	0		E4
Benzene	48.59	1.0	50	0	97.2	85	115	0	0		
Bromobenzene	48.64	1.0	50	0	97.3	85	115	0	0		
Bromochloromethane	48.22	1.0	50	0	96.4	81.1	120	0	0		
Bromodichloromethane	47.58	1.0	50	0	95.2	85	115	0	0		
Bromoform	45.59	1.0	50	0	91.2	77.3	123	0	0		
Bromomethane	43.25	5.0	50	0	86.5	44.1	262	0	0		
Carbon tetrachloride	48.58	1.0	50	0	97.2	82.6	125	0	0		
Chlorobenzene	43.99	1.0	50	0	88	85	115	0	0		
Chloroethane	47.29	1.0	50	0	94.6	80.3	117	0	0		
Chloroform	46.63	1.0	50	0	93.3	85	115	0	0		
Chloromethane	42.33	1.0	50	0	84.7	64.3	128	0	0		
cis-1,2-Dichloroethene	48.62	1.0	50	0	97.2	85	115	0	0		
cis-1,3-Dichloropropene	49.02	1.0	50	0	98	85	115	0	0		
Dibromochloromethane	50.69	1.0	50	0	101	85	115	0	0		
Dichlorodifluoromethane	39.05	1.0	50	0	78.1	75	125	0	0		
Ethylbenzene	42.78	1.0	50	0	85.6	85	115	0	0		
m,p-Xylene	86.6	2.0	100	0	86.6	85	115	0	0		
Methyl tert-butyl ether	47.89	1.0	50	1.04	93.7	85	115	0	0		B1
Methylene chloride	44.64	2.0	50	0	89.3	85	115	0	0		
n-Butylbenzene	46.03	1.0	50	0	92.1	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID LCS-R33742	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383188

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	46.67	1.0	50	0	93.3	85	115	0	0		
o-Xylene	42.33	1.0	50	0	84.7	85	115	0	0		
sec-Butylbenzene	47.31	1.0	50	0	94.6	85	115	0	0		
Styrene	43.55	1.0	50	0	87.1	85	115	0	0		
tert-Butylbenzene	47.6	1.0	50	0	95.2	85	115	0	0		
Tetrachloroethene	50.11	1.0	50	0	100	85	115	0	0		
Toluene	48.23	1.0	50	0	96.5	85	115	0	0		
trans-1,2-Dichloroethene	49.17	1.0	50	0	98.3	85	115	0	0		
trans-1,3-Dichloropropene	46.73	1.0	50	0	93.5	85	115	0	0		
Trichloroethene	48.78	1.0	50	0	97.6	85	115	0	0		
Trichlorofluoromethane	50.09	1.0	50	0	100	82.9	118	0	0		
Vinyl acetate	47.08	1.0	50	0	94.2	72.7	127	0	0		
Vinyl chloride	46.02	1.0	50	0	92	85	115	0	0		
Surr: 4-Bromofluorobenzene	42.36	0	50	0	84.7	80.5	103	0	0		
Surr: Dibromofluoromethane	49.04	0	50	0	98.1	75.9	110	0	0		
Surr: Toluene-d8	49.66	0	50	0	99.3	79	106	0	0		

Sample ID LCSD-R33742	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: ZZZZZ	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383189

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50.1	1.0	50	0	100	85	115	47.04	6.30	25	
1,1,2,2-Tetrachloroethane	47.48	1.0	50	0	95	71.3	115	45.39	4.50	25	
1,1,2-Trichloroethane	51.83	1.0	50	0	104	85	115	47.97	7.74	25	
1,1-Dichloroethane	50.58	1.0	50	0	101	85	115	47.43	6.43	25	
1,1-Dichloroethene	50.88	1.0	50	0	102	85	115	47.27	7.36	25	
1,1-Dichloropropene	49.6	1.0	50	0	99.2	85	115	48.18	2.90	25	
1,2,3-Trichlorobenzene	49.64	5.0	50	0	99.3	72.5	127	47.13	5.19	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID **LCSD-R33742** SampType: **LCSD** TestCode: **8260_W** Units: **µg/L** Prep Date: Run ID: **MS01_030328A**
Client ID: **ZZZZZ** Batch ID: **R33742** TestNo: **SW8260B** Analysis Date: **3/28/2003** SeqNo: **383189**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	47.92	1.0	50	0	95.8	73.2	114	46.12	3.83	25	
1,2,4-Trimethylbenzene	46.46	1.0	50	0	92.9	85	115	45.3	2.53	25	
1,2-Dibromoethane	52.64	1.0	50	0	105	85	115	48.87	7.43	25	
1,2-Dichlorobenzene	48.92	1.0	50	0	97.8	85	115	47.55	2.84	25	
1,2-Dichloroethane	47.7	1.0	50	0	95.4	85	115	44.46	7.03	25	
1,2-Dichloropropane	51.77	1.0	50	0	104	85	115	48.4	6.73	25	
1,3,5-Trimethylbenzene	47.99	1.0	50	0	96	85	115	46.02	4.19	25	
1,3-Dichlorobenzene	49.21	1.0	50	0	98.4	85	115	46.29	6.12	25	
1,3-Dichloropropane	51.33	1.0	50	0	103	85	115	47.48	7.79	25	
1,4-Dichlorobenzene	49.27	1.0	50	0	98.5	85	115	47.56	3.53	25	
2,2-Dichloropropane	49.3	1.0	50	0	98.6	57.5	139	45.95	7.03	25	
2-Butanone (MEK)	32.78	5.0	50	0	65.6	56.2	128	29.24	11.4	25	
2-Chlorotoluene	47.17	1.0	50	0	94.3	85	115	45.67	3.23	25	
2-Hexanone	35.44	5.0	50	0	70.9	62.4	124	32.81	7.71	25	
4-Chlorotoluene	47.53	1.0	50	0	95.1	85	115	45.49	4.39	25	
4-Isopropyltoluene	48.88	1.0	50	0	97.8	85	115	47.26	3.37	25	
4-Methyl-2-pentanone	46.76	5.0	50	0	93.5	65.9	120	44.69	4.53	25	
Acetone	21.3	20	50	0	42.6	34.1	157	17.94	17.1	25	
Benzene	51.48	1.0	50	0	103	85	115	48.59	5.78	25	
Bromobenzene	50.15	1.0	50	0	100	85	115	48.64	3.06	25	
Bromochloromethane	52	1.0	50	0	104	81.1	120	48.22	7.54	25	
Bromodichloromethane	50.39	1.0	50	0	101	85	115	47.58	5.74	25	
Bromoform	49.07	1.0	50	0	98.1	77.3	123	45.59	7.35	25	
Bromomethane	50.55	5.0	50	0	101	44.1	262	43.25	15.6	25	
Carbon tetrachloride	50.52	1.0	50	0	101	82.6	125	48.58	3.92	25	
Chlorobenzene	46.22	1.0	50	0	92.4	85	115	43.99	4.94	25	
Chloroethane	50.58	1.0	50	0	101	80.3	117	47.29	6.72	25	
Chloroform	49.49	1.0	50	0	99	85	115	46.63	5.95	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3803

CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID	LCSD-R33742	SampType:	LCSD	TestCode:	8260_W	Units:	µg/L	Prep Date:		Run ID:	MS01_030328A
Client ID:	ZZZZZ	Batch ID:	R33742	TestNo:	SW8260B			Analysis Date:	3/28/2003	SeqNo:	383189

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	45.52	1.0	50	0	91	64.3	128	42.33	7.26	25	
cis-1,2-Dichloroethene	51.77	1.0	50	0	104	85	115	48.62	6.28	25	
cis-1,3-Dichloropropene	51.58	1.0	50	0	103	85	115	49.02	5.09	25	
Dibromochloromethane	53.16	1.0	50	0	106	85	115	50.69	4.76	25	
Dichlorodifluoromethane	40.66	1.0	50	0	81.3	75	125	39.05	4.04	25	
Ethylbenzene	45.09	1.0	50	0	90.2	85	115	42.78	5.26	25	
m,p-Xylene	92.13	2.0	100	0	92.1	85	115	86.6	6.19	25	
Methyl tert-butyl ether	51.78	1.0	50	1.04	101	85	115	47.89	7.81	25	B1
Methylene chloride	48.25	2.0	50	0	96.5	85	115	44.64	7.77	25	
n-Butylbenzene	47.32	1.0	50	0	94.6	85	115	46.03	2.76	25	
n-Propylbenzene	47.76	1.0	50	0	95.5	85	115	46.67	2.31	25	
o-Xylene	44.83	1.0	50	0	89.7	85	115	42.33	5.74	25	
sec-Butylbenzene	49	1.0	50	0	98	85	115	47.31	3.51	25	
Styrene	45.93	1.0	50	0	91.9	85	115	43.55	5.32	25	
tert-Butylbenzene	49.36	1.0	50	0	98.7	85	115	47.6	3.63	25	
Tetrachloroethene	52.18	1.0	50	0	104	85	115	50.11	4.05	25	
Toluene	51.67	1.0	50	0	103	85	115	48.23	6.89	25	
trans-1,2-Dichloroethene	51.88	1.0	50	0	104	85	115	49.17	5.36	25	
trans-1,3-Dichloropropene	50.19	1.0	50	0	100	85	115	46.73	7.14	25	
Trichloroethene	50.43	1.0	50	0	101	85	115	48.78	3.33	25	
Trichlorofluoromethane	52.92	1.0	50	0	106	82.9	118	50.09	5.49	25	
Vinyl acetate	49.79	1.0	50	0	99.6	72.7	127	47.08	5.60	25	
Vinyl chloride	48.17	1.0	50	0	96.3	85	115	46.02	4.57	25	
Surr: 4-Bromofluorobenzene	45.53	0	50	0	91.1	80.5	103	0	0	25	
Surr: Dibromofluoromethane	53.15	0	50	0	106	75.9	110	0	0	25	
Surr: Toluene-d8	52.03	0	50	0	104	79	106	0	0	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID **03031066-01A MS** SampType: **MS** TestCode: **8260_W** Units: **µg/L** Prep Date: Run ID: **MS01_030328A**
Client ID: **MW-2** Batch ID: **R33742** TestNo: **SW8260B** Analysis Date: **3/28/2003** SeqNo: **383270**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46.66	1.0	50	0	93.3	85	115	0	0		
1,1,2,2-Tetrachloroethane	48.62	1.0	50	0	97.2	71.3	115	0	0		
1,1,2-Trichloroethane	50.98	1.0	50	0	102	85	115	0	0		
1,1-Dichloroethane	47.96	1.0	50	0	95.9	85	115	0	0		
1,1-Dichloroethene	47.94	1.0	50	0	95.9	85	115	0	0		
1,1-Dichloropropene	47.41	1.0	50	0	94.8	85	115	0	0		
1,2,3-Trichlorobenzene	45.9	5.0	50	0	91.8	72.5	127	0	0		
1,2,3-Trichloropropane	49.96	1.0	50	0	99.9	73.2	114	0	0		
1,2,4-Trimethylbenzene	56.96	1.0	50	11.81	90.3	85	115	0	0		
1,2-Dibromoethane	52.22	1.0	50	0	104	85	115	0	0		
1,2-Dichlorobenzene	47.72	1.0	50	0	95.4	85	115	0	0		
1,2-Dichloroethane	44.56	1.0	50	0	89.1	85	115	0	0		
1,2-Dichloropropane	49.9	1.0	50	0	99.8	85	115	0	0		
1,3,5-Trimethylbenzene	60.22	1.0	50	12.25	95.9	85	115	0	0		
1,3-Dichlorobenzene	47.04	1.0	50	0	94.1	85	115	0	0		
1,3-Dichloropropane	49.38	1.0	50	0	98.8	85	115	0	0		
1,4-Dichlorobenzene	47.16	1.0	50	0	94.3	85	115	0	0		
2,2-Dichloropropane	44.7	1.0	50	0	89.4	57.5	139	0	0		
2-Butanone (MEK)	32.39	5.0	50	0	64.8	56.2	128	0	0		
2-Chlorotoluene	48.16	1.0	50	0	96.3	85	115	0	0		
2-Hexanone	35.36	5.0	50	0	70.7	62.4	124	0	0		
4-Chlorotoluene	46.98	1.0	50	0	94	85	115	0	0		
4-Isopropyltoluene	47.45	1.0	50	0	94.9	85	115	0	0		
4-Methyl-2-pentanone	48.02	5.0	50	0	96	65.9	120	0	0		
Acetone	19.46	20	50	0	38.9	34.1	157	0	0		E4
Benzene	49.09	1.0	50	0	98.2	85	115	0	0		
Bromobenzene	49.11	1.0	50	0	98.2	85	115	0	0		
Bromochloromethane	49.7	1.0	50	0	99.4	81.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03031066-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: MW-2	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383270

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	48.63	1.0	50	0	97.3	85	115	0	0		
Bromoform	48.69	1.0	50	0	97.4	77.3	123	0	0		
Bromomethane	42.86	5.0	50	0	85.7	44.1	262	0	0		
Carbon tetrachloride	47.37	1.0	50	0	94.7	82.6	125	0	0		
Chlorobenzene	44.36	1.0	50	0	88.7	85	115	0	0		
Chloroethane	47.87	1.0	50	0	95.7	80.3	117	0	0		
Chloroform	46.75	1.0	50	0	93.5	85	115	0	0		
Chloromethane	43.48	1.0	50	0	87	64.3	128	0	0		
cis-1,2-Dichloroethene	49.27	1.0	50	0	98.5	85	115	0	0		
cis-1,3-Dichloropropene	49.37	1.0	50	0	98.7	85	115	0	0		
Dibromochloromethane	51.69	1.0	50	0	103	85	115	0	0		
Dichlorodifluoromethane	40.56	1.0	50	0	81.1	75	125	0	0		
Ethylbenzene	45.77	1.0	50	1.37	88.8	85	115	0	0		
m,p-Xylene	121.4	2.0	100	29.5	91.9	85	115	0	0		
Methyl tert-butyl ether	49.08	1.0	50	0	98.2	85	115	0	0		B1
Methylene chloride	44.97	2.0	50	0	89.9	85	115	0	0		
n-Butylbenzene	47.07	1.0	50	0	94.1	85	115	0	0		
n-Propylbenzene	47.28	1.0	50	0	94.6	85	115	0	0		
o-Xylene	60.36	1.0	50	15.82	89.1	85	115	0	0		
sec-Butylbenzene	48.02	1.0	50	0	96	85	115	0	0		
Styrene	44	1.0	50	0	88	85	115	0	0		
tert-Butylbenzene	48.22	1.0	50	0	96.4	85	115	0	0		
Tetrachloroethene	51.57	1.0	50	0	103	85	115	0	0		
Toluene	49.84	1.0	50	0	99.7	85	115	0	0		
trans-1,2-Dichloroethene	49.12	1.0	50	0	98.2	85	115	0	0		
trans-1,3-Dichloropropene	48.45	1.0	50	0	96.9	85	115	0	0		
Trichloroethene	50.02	1.0	50	0	100	85	115	0	0		
Trichlorofluoromethane	51.29	1.0	50	0	103	82.9	118	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03031066-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: MW-2	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383270

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	46.47	1.0	50	0	92.9	72.7	127	0	0		
Vinyl chloride	46.89	1.0	50	0	93.8	85	115	0	0		
Surr: 4-Bromofluorobenzene	41.85	0	50	0	83.7	80.5	103	0	0		
Surr: Dibromofluoromethane	48.46	0	50	0	96.9	75.9	110	0	0		
Surr: Toluene-d8	49.6	0	50	0	99.2	79	106	0	0		

Sample ID 03031066-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: MW-2	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	46.76	1.0	50	0	93.5	85	115	46.66	0.214	25	
1,1,2,2-Tetrachloroethane	48.08	1.0	50	0	96.2	71.3	115	48.62	1.12	25	
1,1,2-Trichloroethane	48.19	1.0	50	0	96.4	85	115	50.98	5.63	25	
1,1-Dichloroethane	48.2	1.0	50	0	96.4	85	115	47.96	0.499	25	
1,1-Dichloroethene	48.69	1.0	50	0	97.4	85	115	47.94	1.55	25	
1,1-Dichloropropene	48.22	1.0	50	0	96.4	85	115	47.41	1.69	25	
1,2,3-Trichlorobenzene	45.24	5.0	50	0	90.5	72.5	127	45.9	1.45	25	
1,2,3-Trichloropropane	48.49	1.0	50	0	97	73.2	114	49.96	2.99	25	
1,2,4-Trimethylbenzene	56.4	1.0	50	11.81	89.2	85	115	56.96	0.988	25	
1,2-Dibromoethane	49.26	1.0	50	0	98.5	85	115	52.22	5.83	25	
1,2-Dichlorobenzene	48.09	1.0	50	0	96.2	85	115	47.72	0.772	25	
1,2-Dichloroethane	45.1	1.0	50	0	90.2	85	115	44.56	1.20	25	
1,2-Dichloropropane	48.14	1.0	50	0	96.3	85	115	49.9	3.59	25	
1,3,5-Trimethylbenzene	59.17	1.0	50	12.25	93.8	85	115	60.22	1.76	25	
1,3-Dichlorobenzene	46.72	1.0	50	0	93.4	85	115	47.04	0.683	25	
1,3-Dichloropropane	47.42	1.0	50	0	94.8	85	115	49.38	4.05	25	
1,4-Dichlorobenzene	46.62	1.0	50	0	93.2	85	115	47.16	1.15	25	
2,2-Dichloropropane	44.54	1.0	50	0	89.1	57.5	139	44.7	0.359	25	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03031066-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: MW-2	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone (MEK)	32.61	5.0	50	0	65.2	56.2	128	32.39	0.677	25	
2-Chlorotoluene	46.72	1.0	50	0	93.4	85	115	48.16	3.04	25	
2-Hexanone	34.79	5.0	50	0	69.6	62.4	124	35.36	1.63	25	
4-Chlorotoluene	46.65	1.0	50	0	93.3	85	115	46.98	0.705	25	
4-Isopropyltoluene	47.02	1.0	50	0	94	85	115	47.45	0.910	25	
4-Methyl-2-pentanone	46.83	5.0	50	0	93.7	65.9	120	48.02	2.51	25	
Acetone	20.91	20	50	0	41.8	34.1	157	19.46	7.18	25	
Benzene	48.41	1.0	50	0	96.8	85	115	49.09	1.39	25	
Bromobenzene	48.31	1.0	50	0	96.6	85	115	49.11	1.64	25	
Bromochloromethane	49.51	1.0	50	0	99	81.1	120	49.7	0.383	25	
Bromodichloromethane	47.21	1.0	50	0	94.4	85	115	48.63	2.96	25	
Bromoform	47.5	1.0	50	0	95	77.3	123	48.69	2.47	25	
Bromomethane	44.18	5.0	50	0	88.4	44.1	262	42.86	3.03	25	
Carbon tetrachloride	48.46	1.0	50	0	96.9	82.6	125	47.37	2.27	25	
Chlorobenzene	43.92	1.0	50	0	87.8	85	115	44.36	0.997	25	
Chloroethane	48.44	1.0	50	0	96.9	80.3	117	47.87	1.18	25	
Chloroform	46.84	1.0	50	0	93.7	85	115	46.75	0.192	25	
Chloromethane	42.35	1.0	50	0	84.7	64.3	128	43.48	2.63	25	
cis-1,2-Dichloroethene	48.86	1.0	50	0	97.7	85	115	49.27	0.836	25	
cis-1,3-Dichloropropene	48.14	1.0	50	0	96.3	85	115	49.37	2.52	25	
Dibromochloromethane	49.62	1.0	50	0	99.2	85	115	51.69	4.09	25	
Dichlorodifluoromethane	39.04	1.0	50	0	78.1	75	125	40.56	3.82	25	
Ethylbenzene	44.51	1.0	50	1.37	86.3	85	115	45.77	2.79	25	
m,p-Xylene	118.4	2.0	100	29.5	89	85	115	121.4	2.49	25	
Methyl tert-butyl ether	48.33	1.0	50	0	96.7	85	115	49.08	1.54	25	B1
Methylene chloride	45.67	2.0	50	0	91.3	85	115	44.97	1.54	25	
n-Butylbenzene	46.61	1.0	50	0	93.2	85	115	47.07	0.982	25	
n-Propylbenzene	46.43	1.0	50	0	92.9	85	115	47.28	1.81	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03031066
Project: Alsco 112.05/0303292

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03031066-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030328A
Client ID: MW-2	Batch ID: R33742	TestNo: SW8260B		Analysis Date: 3/28/2003	SeqNo: 383271

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	60.07	1.0	50	15.82	88.5	85	115	60.36	0.482	25	
sec-Butylbenzene	47.26	1.0	50	0	94.5	85	115	48.02	1.60	25	
Styrene	43.45	1.0	50	0	86.9	85	115	44	1.26	25	
tert-Butylbenzene	47.35	1.0	50	0	94.7	85	115	48.22	1.82	25	
Tetrachloroethene	48.96	1.0	50	0	97.9	85	115	51.57	5.19	25	
Toluene	47.57	1.0	50	0	95.1	85	115	49.84	4.66	25	
trans-1,2-Dichloroethene	47.57	1.0	50	0	95.1	85	115	49.12	3.21	25	
trans-1,3-Dichloropropene	46.9	1.0	50	0	93.8	85	115	48.45	3.25	25	
Trichloroethene	47.81	1.0	50	0	95.6	85	115	50.02	4.52	25	
Trichlorofluoromethane	50.98	1.0	50	0	102	82.9	118	51.29	0.606	25	
Vinyl acetate	46.51	1.0	50	0	93	72.7	127	46.47	0.0860	25	
Vinyl chloride	46.07	1.0	50	0	92.1	85	115	46.89	1.76	25	
Surr: 4-Bromofluorobenzene	43.03	0	50	0	86.1	80.5	103	0	0	25	
Surr: Dibromofluoromethane	49.44	0	50	0	98.9	75.9	110	0	0	25	
Surr: Toluene-d8	49	0	50	0	98	79	106	0	0	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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Precision Analytical Laboratories, Inc.

Sample Receipt Checklist

Client Name Transwest | Date and Time Received 3-27-03 09:00

Lab Number O·303·1066 | Received by CMA

Checklist completed by [signature] 3·27·03 (Signature / Date)

Containers: Brass Sleeves ____ Glass Jars ____ Methanol Kits ____

Matrix: AQ | Carrier name: Billy

Shipping container/cooler in good condition?	Yes X	No ___	Not Present ___
Custody seals intact on shipping container/cooler?	Yes ___	No ___	Not Present X
Custody seals intact on sample bottles?	Yes ___	No ___	Not Present X
Chain of custody present?	Yes X	No ___	
Chain of custody signed when relinquished and received?	Yes X	No ___	
Chain of custody agrees with sample labels?	Yes X	No ___	
Samples in proper container/bottle?	Yes X	No ___	
Sample containers intact?	Yes X	No ___	
All samples received within holding time?	Yes X	No ___	
Water – VOA vials have zero headspace?	No VOA submitted ___	Yes X	No ___
Number of sample bottles: 9 + 1TB	Preserved: 9 + 1TB	Unpreserved: Ø	
Temperature of samples?	2.6 °C Blue Ice ___	Wet Ice X	Not Present ___
Water – pH acceptable upon receipt?		Yes ___ No ___	Not applicable X

pH: Metals ____ 413.1 ____ Other ____
Cyanide ____ 418.1 ____
Nutrients ____ Sulfide ____

Adjusted? ____ Results? ____

Any No response must be detailed in the comments section below:

Person/Client contacted: ____ Date contacted: ____ Contacted by: ____

Comments: ____

Corrective Action: ____

TRANSWEST GEOCHEM

Vic Nielsen
3725 E. Atlanta Avenue
Suite 2
Phoenix, AZ 85040-2960
TEL: (602) 437-0330
FAX: (602) 437-0660

Subcontractor:
Precision Analytical Laboratories, Inc.
1725 West 17th St.
Tempe, AZ 85281
TEL: (480) 967-1310
FAX: (480) 967-1019

CHAIN-OF-CUSTODY

0-303-1066

Work Order: 0303292

Project: Alsco 112.05

26-Mar-03

	Client Sample ID	TGI ID	Matrix	Collection Date	Containers	Requested Tests: 8260_SUB						
01	MW-2	01A	Aqueous	3/20/2003 1:45:00 PM	3	1						
02	MW-3	02A	Aqueous	3/20/2003 10:25:00 AM	3	1						
03	MW-4	03A	Aqueous	3/20/2003 11:45:00 AM	3	1						
04	TRIP BLANK	04A	Trip Blank	3/20/2003 10:25:00 AM	1	1						

Comments: After analysis, the samples do not need to be returned and can be disposed per your standard laboratory practices. Please provide a QC report, including Method Blank data.

Sample Receipt		
Temperature: 2.6	Ambient / Cold	Ice:
Received Intact: Y		Absent / Present
Custody Seals: N		Wet / Blue
Total No. of Containers: 4 + TB		2.6 °C.

		Date/Time			Date/Time
Relinquished by:	Billy Weatherall 3/27/03	900	Received by:		3-27-03 09:00
Relinquished by:			Received by:		

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: _____

Date _____ Page ____ of ____

Project Manager:			
Client Name:			
Address:			
City, State ZIP:			
Phone:		Fax:	

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

P.O. No.:	
Project Name:	
Project Number:	

SAMPLE RECEIPT

Temperature:	Ambient / Cold	Ice:	
Received Intact:		Absent / Present	
Custody Seals:		Wet / Blue	
Total No. of Containers:			

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles, (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals										Comments

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1					
2					
3					

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised: 6/29/06

PAL

Precision Analytical Laboratories
a division of Aerotech Laboratories, Inc.

March 27, 2003

Vic Nielsen
Transwest Geochem, Inc.
3725 E. Atlanta Avenue, Suite 2
Phoenix, AZ 85040

RE: WSP Van Buren 2167/0303092

Dear Vic Nielsen: Order No.: 03030436

Precision Analytical Laboratories received 6 samples on 3/10/2003 for the analyses presented in the following report.

This report includes the following information:
- Case Narrative.
- Analytical Report: includes test results, report limit (Limit), any applicable data qualifier (Qual), units, dilution factor (DF), and date analyzed.
- QC Summary Report.

This communication is intended only for the individual or entity to whom it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately and destroy this message and all attachments thereto. If you have any questions regarding these test results, please do not hesitate to call.

Sincerely,

Carlene McCutcheon

Carlene McCutcheon
Project Manager

Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT: Transwest Geochem, Inc.
Project: WSP Van Buren 2167/0303092
Lab Order: 03030436

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
03030436-01A	MW-1	01A	3/6/2003 10:45:00 AM	3/10/2003
03030436-02A	MW-2	02A	3/6/2003 11:55:00 AM	3/10/2003
03030436-03A	MW-3	03A	3/6/2003 1:20:00 PM	3/10/2003
03030436-04A	MW-4	04A	3/6/2003 2:50:00 PM	3/10/2003
03030436-05A	MW-5	05A	3/6/2003 3:50:00 PM	3/10/2003
03030436-06A	TB	06A	3/6/2003 10:45:00 AM	3/10/2003

Corporate Address 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4800 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com
Main Laboratory 1725 W. 17th Street Tempe, AZ 85281 Phone: 480-967-1310 Toll Free: 866-772-5227 Fax: 480-967-1019 www.palabs.com
Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3803

Precision Analytical Laboratories **Date:** *27-Mar-03*

CLIENT: Transwest Geochem, Inc.
Project: WSP Van Buren 2167/0303092
Lab Order: 03030436

CASE NARRATIVE

Samples were analyzed using methods outlined in references such as:

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, and 19th Edition, 1995.

Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised March 1983.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.

40 CFR, Part 136, Revised 1995. Appendix A to Part 136 - Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.

NIOSH Manual of Analytical Methods, Fourth Edition, 1994.

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, 1999.

Precision Analytical Laboratories, Inc. (PAL) holds Arizona certification no. AZ0610 and PAL-Tucson holds Arizona certification no. AZ0609.

PAL participates in the AIHA Proficiency Analytical Testing (PAT) program for metals, solvents and formaldehyde.

Analytical Comments:

All method blanks and laboratory control spikes met EPA method and/or laboratory quality control objectives for the analyses included in this report.

Data Qualifiers:

Listed below are the data qualifiers used in your analytical report to explain any analytical or quality control issues. You will find them noted in your report under the column header "QUAL". Any quality control deficiencies that cannot be adequately described by these qualifiers will be addressed in the analytical comments section of this case narrative.

D2 Sample required dilution due to high concentration of target analyte.
M7 Matrix spike recovery was low. Data reported per ADEQ policy 0154.000.
R5 MS/MSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

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Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3803

CLIENT:	Transwest Geochem, Inc.
Project:	WSP Van Buren 2167/0303092
Lab Order:	03030436

CASE NARRATIVE

R7 LCS/LCSD RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-1
Lab Order:	03030436	**Tag Number:**	01A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 10:45:00 AM
Lab ID:	03030436-01A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/11/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/11/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/11/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/11/2003
Acetone	< 20	20		µg/L	1	3/11/2003
Benzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromoform	< 1.0	1.0		µg/L	1	3/11/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/11/2003
Chloroform	< 1.0	1.0		µg/L	1	3/11/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,2-Dichloroethene	3.0	1.0		µg/L	1	3/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/11/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-1
Lab Order:	03030436	**Tag Number:**	01A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 10:45:00 AM
Lab ID:	03030436-01A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
Ethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/11/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/11/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/11/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/11/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Styrene	< 1.0	1.0		µg/L	1	3/11/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Tetrachloroethene	2.4	1.0		µg/L	1	3/11/2003
Toluene	1.4	1.0		µg/L	1	3/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Trichloroethene	10	1.0		µg/L	1	3/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/11/2003
Surr: 4-Bromofluorobenzene	89.5	80.5-103		%REC	1	3/11/2003
Surr: Dibromofluoromethane	92.1	75.9-110		%REC	1	3/11/2003
Surr: Toluene-d8	91.1	79-106		%REC	1	3/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-2
Lab Order:	03030436	**Tag Number:**	02A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 11:55:00 AM
Lab ID:	03030436-02A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/11/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/11/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/11/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/11/2003
Acetone	< 20	20		µg/L	1	3/11/2003
Benzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromoform	< 1.0	1.0		µg/L	1	3/11/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/11/2003
Chloroform	5.2	1.0		µg/L	1	3/11/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/11/2003

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- * - Value exceeds Maximum Contaminant Level
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-2
Lab Order:	03030436	**Tag Number:**	02A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 11:55:00 AM
Lab ID:	03030436-02A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
Ethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/11/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/11/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/11/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/11/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Styrene	< 1.0	1.0		µg/L	1	3/11/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Tetrachloroethene	5.1	1.0		µg/L	1	3/11/2003
Toluene	1.4	1.0		µg/L	1	3/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Trichloroethene	4.1	1.0		µg/L	1	3/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/11/2003
Surr: 4-Bromofluorobenzene	90.4	80.5-103		%REC	1	3/11/2003
Surr: Dibromofluoromethane	92.4	75.9-110		%REC	1	3/11/2003
Surr: Toluene-d8	91.6	79-106		%REC	1	3/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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Tucson Facility 4455 S. Park Ave. Ste. 110 Tucson, AZ 85714 Phone: 520-807-3801 Fax: 520-807-3803

Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-3
Lab Order:	03030436	**Tag Number:**	03A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 1:20:00 PM
Lab ID:	03030436-03A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/11/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/11/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/11/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/11/2003
Acetone	< 20	20		µg/L	1	3/11/2003
Benzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromoform	< 1.0	1.0		µg/L	1	3/11/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/11/2003
Chloroform	4.2	1.0		µg/L	1	3/11/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
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R - RPD outside accepted recovery limits
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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-3
Lab Order:	03030436	**Tag Number:**	03A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 1:20:00 PM
Lab ID:	03030436-03A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
Ethylbenzene	2.7	1.0		µg/L	1	3/11/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/11/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/11/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/11/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/11/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Styrene	< 1.0	1.0		µg/L	1	3/11/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Tetrachloroethene	4.4	1.0		µg/L	1	3/11/2003
Toluene	1.5	1.0		µg/L	1	3/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Trichloroethene	5.3	1.0		µg/L	1	3/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/11/2003
Surr: 4-Bromofluorobenzene	90.6	80.5-103		%REC	1	3/11/2003
Surr: Dibromofluoromethane	92.1	75.9-110		%REC	1	3/11/2003
Surr: Toluene-d8	93.6	79-106		%REC	1	3/11/2003

Qualifiers:

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B - Analyte detected in the associated Method Blank

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R - RPD outside accepted recovery limits

E - Value above quantitation range

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	Client Sample ID:	MW-4
Lab Order:	03030436	Tag Nnmber:	04A
Project:	WSP Van Buren 2167/0303092	Collection Date:	3/6/2003 2:50:00 PM
Lab ID:	03030436-04A	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: JR
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/13/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/13/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/13/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/13/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/13/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/13/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/13/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/13/2003
1,2,4-Trimethylbenzene	160	1.0		µg/L	1	3/13/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/13/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/13/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/13/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/13/2003
1,3,5-Trimethylbenzene	58	1.0		µg/L	1	3/13/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/13/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/13/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/13/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/13/2003
2-Butanone (MEK)	32	5.0		µg/L	1	3/13/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/13/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/13/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/13/2003
4-Isopropyltoluene	2.7	1.0		µg/L	1	3/13/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/13/2003
Acetone	64	20		µg/L	1	3/13/2003
Benzene	660	10	D2	µg/L	10	3/13/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/13/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/13/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/13/2003
Bromoform	< 1.0	1.0		µg/L	1	3/13/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/13/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/13/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/13/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/13/2003
Chloroform	3.6	1.0		µg/L	1	3/13/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/13/2003
cis-1,2-Dichloroethene	1.6	1.0		µg/L	1	3/13/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/13/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/13/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/13/2003

Qualifiers:

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-4
Lab Order:	03030436	**Tag Number:**	04A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 2:50:00 PM
Lab ID:	03030436-04A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **JR**
Ethylbenzene	170	1.0		µg/L	1	3/13/2003
m,p-Xylene	430	20	D2	µg/L	10	3/13/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/13/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/13/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/13/2003
n-Propylbenzene	19	1.0		µg/L	1	3/13/2003
o-Xylene	370	10	D2	µg/L	10	3/13/2003
sec-Butylbenzene	1.6	1.0		µg/L	1	3/13/2003
Styrene	< 1.0	1.0		µg/L	1	3/13/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/13/2003
Tetrachloroethene	4.1	1.0		µg/L	1	3/13/2003
Toluene	< 1.0	1.0		µg/L	1	3/13/2003
Toluene	630	10	D2	µg/L	10	3/13/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/13/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/13/2003
Trichloroethene	5.0	1.0		µg/L	1	3/13/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/13/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/13/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/13/2003
Surr: 4-Bromofluorobenzene	101	80.5-103		%REC	1	3/13/2003
Surr: Dibromofluoromethane	102	75.9-110		%REC	1	3/13/2003
Surr: Toluene-d8	102	79-106		%REC	1	3/13/2003

Qualifiers:

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-5
Lab Order:	03030436	**Tag Number:**	05A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 3:50:00 PM
Lab ID:	03030436-05A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/11/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,2,4-Trimethylbenzene	230	10	D2	µg/L	10	3/13/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,3,5-Trimethylbenzene	88	1.0		µg/L	1	3/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
2-Butanone (MEK)	12	5.0		µg/L	1	3/11/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/11/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/11/2003
Acetone	< 20	20		µg/L	1	3/11/2003
Benzene	320	10	D2	µg/L	10	3/13/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromoform	< 1.0	1.0		µg/L	1	3/11/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/11/2003
Chloroform	5.1	1.0		µg/L	1	3/11/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/11/2003

Qualifiers:

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	MW-5
Lab Order:	03030436	**Tag Number:**	05A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 3:50:00 PM
Lab ID:	03030436-05A	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
Ethylbenzene	180	1.0		µg/L	1	3/11/2003
m,p-Xylene	930	20	D2	µg/L	10	3/13/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/11/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/11/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
n-Propylbenzene	22	1.0		µg/L	1	3/11/2003
o-Xylene	450	10	D2	µg/L	10	3/13/2003
sec-Butylbenzene	2.1	1.0		µg/L	1	3/11/2003
Styrene	< 1.0	1.0		µg/L	1	3/11/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Tetrachloroethene	4.4	1.0		µg/L	1	3/11/2003
Toluene	910	10	D2	µg/L	10	3/13/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Trichloroethene	3.4	1.0		µg/L	1	3/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/11/2003
Surr: 4-Bromofluorobenzene	90.5	80.5-103		%REC	1	3/11/2003
Surr: Dibromofluoromethane	91.8	75.9-110		%REC	1	3/11/2003
Surr: Toluene-d8	92.8	79-106		%REC	1	3/11/2003

Qualifiers:

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	TB
Lab Order:	03030436	**Tag Number:**	06A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 10:45:00 AM
Lab ID:	03030436-06A	**Matrix:**	TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: **P M**
1,1,1-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2,2-Tetrachloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1,2-Trichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
1,1-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
1,2,3-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/11/2003
1,2,3-Trichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,2,4-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dibromoethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloroethane	< 1.0	1.0		µg/L	1	3/11/2003
1,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,3,5-Trimethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
1,3-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
1,4-Dichlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
2,2-Dichloropropane	< 1.0	1.0		µg/L	1	3/11/2003
2-Butanone (MEK)	< 5.0	5.0		µg/L	1	3/11/2003
2-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
2-Hexanone	< 5.0	5.0		µg/L	1	3/11/2003
4-Chlorotoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Isopropyltoluene	< 1.0	1.0		µg/L	1	3/11/2003
4-Methyl-2-pentanone	< 5.0	5.0		µg/L	1	3/11/2003
Acetone	< 20	20		µg/L	1	3/11/2003
Benzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Bromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromodichloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Bromoform	< 1.0	1.0		µg/L	1	3/11/2003
Bromomethane	< 5.0	5.0		µg/L	1	3/11/2003
Carbon tetrachloride	< 1.0	1.0		µg/L	1	3/11/2003
Chlorobenzene	< 1.0	1.0		µg/L	1	3/11/2003
Chloroethane	< 1.0	1.0		µg/L	1	3/11/2003
Chloroform	< 1.0	1.0		µg/L	1	3/11/2003
Chloromethane	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
cis-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Dibromochloromethane	< 1.0	1.0		µg/L	1	3/11/2003
Dichlorodifluoromethane	< 1.0	1.0		µg/L	1	3/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

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Precision Analytical Laboratories

Date: *27-Mar-03*

CLIENT:	Transwest Geochem, Inc.	**Client Sample ID:**	TB
Lab Order:	03030436	**Tag Number:**	06A
Project:	WSP Van Buren 2167/0303092	**Collection Date:**	3/6/2003 10:45:00 AM
Lab ID:	03030436-06A	**Matrix:**	TRIP BLANK

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS		**SW8260B**				Analyst: P M
Ethylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
m,p-Xylene	< 2.0	2.0		µg/L	1	3/11/2003
Methyl tert-butyl ether	< 1.0	1.0		µg/L	1	3/11/2003
Methylene chloride	< 2.0	2.0		µg/L	1	3/11/2003
n-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
n-Propylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
o-Xylene	< 1.0	1.0		µg/L	1	3/11/2003
sec-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Styrene	< 1.0	1.0		µg/L	1	3/11/2003
tert-Butylbenzene	< 1.0	1.0		µg/L	1	3/11/2003
Tetrachloroethene	< 1.0	1.0		µg/L	1	3/11/2003
Toluene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,2-Dichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
trans-1,3-Dichloropropene	< 1.0	1.0		µg/L	1	3/11/2003
Trichloroethene	< 1.0	1.0		µg/L	1	3/11/2003
Trichlorofluoromethane	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl acetate	< 1.0	1.0		µg/L	1	3/11/2003
Vinyl chloride	< 1.0	1.0		µg/L	1	3/11/2003
Surr: 4-Bromofluorobenzene	92.7	80.5-103		%REC	1	3/11/2003
Surr: Dibromofluoromethane	92.9	75.9-110		%REC	1	3/11/2003
Surr: Toluene-d8	93.5	79-106		%REC	1	3/11/2003

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

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27-Mar-03

Lab Order: 03030436
Client: Transwest Geochem, Inc.
Project: WSP Van Buren 2167/0303092

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
03030436-01A	MW-1	3/6/2003 10:45:00 AM	Water	VOLATILES by GC/MS			3/11/2003
03030436-02A	MW-2	3/6/2003 11:55:00 AM		VOLATILES by GC/MS			3/11/2003
03030436-03A	MW-3	3/6/2003 1:20:00 PM		VOLATILES by GC/MS			3/11/2003
03030436-04A	MW-4	3/6/2003 2:50:00 PM		VOLATILES by GC/MS			3/13/2003
				VOLATILES by GC/MS			3/13/2003
03030436-05A	MW-5	3/6/2003 3:50:00 PM		VOLATILES by GC/MS			3/13/2003
				VOLATILES by GC/MS			3/11/2003
03030436-06A	TB	3/6/2003 10:45:00 AM	Trip Blank	VOLATILES by GC/MS			3/11/2003

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Date: *27-Mar-03*

CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-R33115	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374681

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 1.0	1.0									
1,1,2,2-Tetrachloroethane	< 1.0	1.0									
1,1,2-Trichloroethane	< 1.0	1.0									
1,1-Dichloroethane	< 1.0	1.0									
1,1-Dichloroethene	< 1.0	1.0									
1,1-Dichloropropene	< 1.0	1.0									
1,2,3-Trichlorobenzene	< 5.0	5.0									
1,2,3-Trichloropropane	< 1.0	1.0									
1,2,4-Trimethylbenzene	< 1.0	1.0									
1,2-Dibromoethane	< 1.0	1.0									
1,2-Dichlorobenzene	< 1.0	1.0									
1,2-Dichloroethane	< 1.0	1.0									
1,2-Dichloropropane	< 1.0	1.0									
1,3,5-Trimethylbenzene	< 1.0	1.0									
1,3-Dichlorobenzene	< 1.0	1.0									
1,3-Dichloropropane	< 1.0	1.0									
1,4-Dichlorobenzene	< 1.0	1.0									
2,2-Dichloropropane	< 1.0	1.0									
2-Butanone (MEK)	< 5.0	5.0									
2-Chlorotoluene	< 1.0	1.0									
2-Hexanone	< 5.0	5.0									
4-Chlorotoluene	< 1.0	1.0									
4-Isopropyltoluene	< 1.0	1.0									
4-Methyl-2-pentanone	< 5.0	5.0									
Acetone	< 20	20									
Benzene	< 1.0	1.0									
Bromobenzene	< 1.0	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-R33115 | SampType: MBLK | TestCode: 8260_W | Units: µg/L | Prep Date: | Run ID: MS07_030311A
Client ID: ZZZZZ | Batch ID: R33115 | TestNo: SW8260B | Analysis Date: 3/11/2003 | SeqNo: 374681

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromochloromethane	< 1.0	1.0									
Bromodichloromethane	< 1.0	1.0									
Bromoform	< 1.0	1.0									
Bromomethane	< 5.0	5.0									
Carbon tetrachloride	< 1.0	1.0									
Chlorobenzene	< 1.0	1.0									
Chloroethane	< 1.0	1.0									
Chloroform	< 1.0	1.0									
Chloromethane	< 1.0	1.0									
cis-1,2-Dichloroethene	< 1.0	1.0									
cis-1,3-Dichloropropene	< 1.0	1.0									
Dibromochloromethane	< 1.0	1.0									
Dichlorodifluoromethane	< 1.0	1.0									
Ethylbenzene	< 1.0	1.0									
m,p-Xylene	< 2.0	2.0									
Methyl tert-butyl ether	< 1.0	1.0									
Methylene chloride	< 2.0	2.0									
n-Butylbenzene	< 1.0	1.0									
n-Propylbenzene	< 1.0	1.0									
o-Xylene	< 1.0	1.0									
sec-Butylbenzene	< 1.0	1.0									
Styrene	< 1.0	1.0									
tert-Butylbenzene	< 1.0	1.0									
Tetrachloroethene	< 1.0	1.0									
Toluene	< 1.0	1.0									
trans-1,2-Dichloroethene	< 1.0	1.0									
trans-1,3-Dichloropropene	< 1.0	1.0									
Trichloroethene	< 1.0	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID MB-R33115	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374681

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichlorofluoromethane	< 1.0	1.0									
Trihalomethanes, Total	< 1.0	1.0									
Vinyl acetate	< 1.0	1.0									
Vinyl chloride	< 1.0	1.0									
Surr: 4-Bromofluorobenzene	46.35	0	50	0	92.7	80.5	103	0	0		
Surr: Dibromofluoromethane	45.97	0	50	0	91.9	75.9	110	0	0		
Surr: Toluene-d8	46.78	0	50	0	93.6	79	106	0	0		

Sample ID MB-R33195	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	< 1.0	1.0									
1,1,2,2-Tetrachloroethane	< 1.0	1.0									
1,1,2-Trichloroethane	< 1.0	1.0									
1,1-Dichloroethane	< 1.0	1.0									
1,1-Dichloroethene	< 1.0	1.0									
1,1-Dichloropropene	< 1.0	1.0									
1,2,3-Trichlorobenzene	< 5.0	5.0									
1,2,3-Trichloropropane	< 1.0	1.0									
1,2,4-Trimethylbenzene	< 1.0	1.0									
1,2-Dibromoethane	< 1.0	1.0									
1,2-Dichlorobenzene	< 1.0	1.0									
1,2-Dichloroethane	< 1.0	1.0									
1,2-Dichloropropane	< 1.0	1.0									
1,3,5-Trimethylbenzene	< 1.0	1.0									
1,3-Dichlorobenzene	< 1.0	1.0									
1,3-Dichloropropane	< 1.0	1.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: MB-R33195	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	< 1.0	1.0									
2,2-Dichloropropane	< 1.0	1.0									
2-Butanone (MEK)	< 5.0	5.0									
2-Chlorotoluene	< 1.0	1.0									
2-Hexanone	< 5.0	5.0									
4-Chlorotoluene	< 1.0	1.0									
4-Isopropyltoluene	< 1.0	1.0									
4-Methyl-2-pentanone	< 5.0	5.0									
Acetone	< 20	20									
Benzene	< 1.0	1.0									
Bromobenzene	< 1.0	1.0									
Bromochloromethane	< 1.0	1.0									
Bromodichloromethane	< 1.0	1.0									
Bromoform	< 1.0	1.0									
Bromomethane	< 5.0	5.0									
Carbon tetrachloride	< 1.0	1.0									
Chlorobenzene	< 1.0	1.0									
Chloroethane	< 1.0	1.0									
Chloroform	< 1.0	1.0									
Chloromethane	< 1.0	1.0									
cis-1,2-Dichloroethene	< 1.0	1.0									
cis-1,3-Dichloropropene	< 1.0	1.0									
Dibromochloromethane	< 1.0	1.0									
Dichlorodifluoromethane	< 1.0	1.0									
Ethylbenzene	< 1.0	1.0									
m,p-Xylene	< 2.0	2.0									
Methyl tert-butyl ether	< 1.0	1.0									
Methylene chloride	< 2.0	2.0									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID MB-R33195	SampType: MBLK	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375733

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Butylbenzene	< 1.0	1.0									
n-Propylbenzene	< 1.0	1.0									
o-Xylene	< 1.0	1.0									
sec-Butylbenzene	< 1.0	1.0									
Styrene	< 1.0	1.0									
tert-Butylbenzene	< 1.0	1.0									
Tetrachloroethene	< 1.0	1.0									
Toluene	< 1.0	1.0									
trans-1,2-Dichloroethene	< 1.0	1.0									
trans-1,3-Dichloropropene	< 1.0	1.0									
Trichloroethene	< 1.0	1.0									
Trichlorofluoromethane	< 1.0	1.0									
Trihalomethanes, Total	< 1.0	1.0									
Vinyl acetate	< 1.0	1.0									
Vinyl chloride	< 1.0	1.0									
Surr: 4-Bromofluorobenzene	51.04	0	50	0	102	80.5	103	0	0		
Surr: Dibromofluoromethane	52.55	0	50	0	105	75.9	110	0	0		
Surr: Toluene-d8	51.47	0	50	0	103	79	106	0	0		

Sample ID LCS-R33115	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374694

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48.92	1.0	50	0	97.8	85	115	0	0		
1,1,2,2-Tetrachloroethane	48.78	1.0	50	0	97.6	71.3	115	0	0		
1,1,2-Trichloroethane	51.93	1.0	50	0	104	85	115	0	0		
1,1-Dichloroethane	49.36	1.0	50	0	98.7	85	115	0	0		
1,1-Dichloroethene	51.45	1.0	50	0	103	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID LCS-R33115	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374694

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloropropene	47.43	1.0	50	0	94.9	85	115	0	0		
1,2,3-Trichlorobenzene	49.53	5.0	50	0	99.1	72.5	127	0	0		
1,2,3-Trichloropropane	48.56	1.0	50	0	97.1	73.2	114	0	0		
1,2,4-Trimethylbenzene	48.87	1.0	50	0	97.7	85	115	0	0		
1,2-Dibromoethane	48.7	1.0	50	0	97.4	85	115	0	0		
1,2-Dichlorobenzene	49.75	1.0	50	0	99.5	85	115	0	0		
1,2-Dichloroethane	48.53	1.0	50	0	97.1	85	115	0	0		
1,2-Dichloropropane	50.11	1.0	50	0	100	85	115	0	0		
1,3,5-Trimethylbenzene	47.57	1.0	50	0	95.1	85	115	0	0		
1,3-Dichlorobenzene	49.21	1.0	50	0	98.4	85	115	0	0		
1,3-Dichloropropane	49.07	1.0	50	0	98.1	85	115	0	0		
1,4-Dichlorobenzene	49.63	1.0	50	0	99.3	85	115	0	0		
2,2-Dichloropropane	52.11	1.0	50	0	104	57.5	139	0	0		
2-Butanone (MEK)	44.41	5.0	50	0	88.8	56.2	128	0	0		
2-Chlorotoluene	47.64	1.0	50	0	95.3	85	115	0	0		
2-Hexanone	45.84	5.0	50	0	91.7	62.4	124	0	0		
4-Chlorotoluene	47.37	1.0	50	0	94.7	85	115	0	0		
4-Isopropyltoluene	47.29	1.0	50	0	94.6	85	115	0	0		
4-Methyl-2-pentanone	47.03	5.0	50	0	94.1	65.9	120	0	0		
Acetone	45.61	20	50	0	91.2	34.1	157	0	0		
Benzene	48.5	1.0	50	0	97	85	115	0	0		
Bromobenzene	49.86	1.0	50	0	99.7	85	115	0	0		
Bromochloromethane	53.21	1.0	50	0	106	81.1	120	0	0		
Bromodichloromethane	49.63	1.0	50	0	99.3	85	115	0	0		
Bromoform	49.3	1.0	50	0	98.6	77.3	123	0	0		
Bromomethane	52.43	5.0	50	0	105	44.1	262	0	0		
Carbon tetrachloride	53.73	1.0	50	0	107	82.6	125	0	0		
Chlorobenzene	48.82	1.0	50	0	97.6	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCS-R33115	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374694

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloroethane	49.64	1.0	50	0	99.3	80.3	117	0	0		
Chloroform	48.89	1.0	50	0	97.8	85	115	0	0		
Chloromethane	36.88	1.0	50	0	73.8	64.3	128	0	0		
cis-1,2-Dichloroethene	50.6	1.0	50	0	101	85	115	0	0		
cis-1,3-Dichloropropene	48.84	1.0	50	0	97.7	85	115	0	0		
Dibromochloromethane	49.99	1.0	50	0	100	85	115	0	0		
Dichlorodifluoromethane	43.69	1.0	50	0	87.4	75	125	0	0		
Ethylbenzene	48.21	1.0	50	0	96.4	85	115	0	0		
m,p-Xylene	99.06	2.0	100	0	99.1	85	115	0	0		
Methyl tert-butyl ether	48.7	1.0	50	0	97.4	85	115	0	0		
Methylene chloride	49.49	2.0	50	0	99	85	115	0	0		
n-Butylbenzene	47.77	1.0	50	0	95.5	85	115	0	0		
n-Propylbenzene	47.47	1.0	50	0	94.9	85	115	0	0		
o-Xylene	47.96	1.0	50	0	95.9	85	115	0	0		
sec-Butylbenzene	48.58	1.0	50	0	97.2	85	115	0	0		
Styrene	48.09	1.0	50	0	96.2	85	115	0	0		
tert-Butylbenzene	47.58	1.0	50	0	95.2	85	115	0	0		
Tetrachloroethene	48.5	1.0	50	0	97	85	115	0	0		
Toluene	48.3	1.0	50	0	96.6	85	115	0	0		
trans-1,2-Dichloroethene	49.22	1.0	50	0	98.4	85	115	0	0		
trans-1,3-Dichloropropene	48.3	1.0	50	0	96.6	85	115	0	0		
Trichloroethene	48.2	1.0	50	0	96.4	85	115	0	0		
Trichlorofluoromethane	49.21	1.0	50	0	98.4	82.9	118	0	0		
Vinyl acetate	53.59	1.0	50	0	107	72.7	127	0	0		
Vinyl chloride	49.15	1.0	50	0	98.3	85	115	0	0		
Surr: 4-Bromofluorobenzene	45.88	0	50	0	91.8	80.5	103	0	0		
Surr: Dibromofluoromethane	46.37	0	50	0	92.7	75.9	110	0	0		
Surr: Toluene-d8	46.77	0	50	0	93.5	79	106	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCS-R33195	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	52.99	1.0	50	0	106	85	115	0	0		
1,1,2,2-Tetrachloroethane	46.89	1.0	50	0	93.8	71.3	115	0	0		
1,1,2-Trichloroethane	48.88	1.0	50	0	97.8	85	115	0	0		
1,1-Dichloroethane	51.44	1.0	50	0	103	85	115	0	0		
1,1-Dichloroethene	52.53	1.0	50	0	105	85	115	0	0		
1,1-Dichloropropene	51.91	1.0	50	0	104	85	115	0	0		
1,2,3-Trichlorobenzene	49.88	5.0	50	0	99.8	72.5	127	0	0		
1,2,3-Trichloropropane	47.59	1.0	50	0	95.2	73.2	114	0	0		
1,2,4-Trimethylbenzene	48.36	1.0	50	0	96.7	85	115	0	0		
1,2-Dibromoethane	50.12	1.0	50	0	100	85	115	0	0		
1,2-Dichlorobenzene	50.73	1.0	50	0	101	85	115	0	0		
1,2-Dichloroethane	49.99	1.0	50	0	100	85	115	0	0		
1,2-Dichloropropane	50.16	1.0	50	0	100	85	115	0	0		
1,3,5-Trimethylbenzene	50.34	1.0	50	0	101	85	115	0	0		
1,3-Dichlorobenzene	50.21	1.0	50	0	100	85	115	0	0		
1,3-Dichloropropane	49.13	1.0	50	0	98.3	85	115	0	0		
1,4-Dichlorobenzene	50.46	1.0	50	0	101	85	115	0	0		
2,2-Dichloropropane	52.5	1.0	50	0	105	57.5	139	0	0		
2-Butanone (MEK)	54.3	5.0	50	0	109	56.2	128	0	0		
2-Chlorotoluene	48.32	1.0	50	0	96.6	85	115	0	0		
2-Hexanone	54.34	5.0	50	0	109	62.4	124	0	0		
4-Chlorotoluene	50.09	1.0	50	0	100	85	115	0	0		
4-Isopropyltoluene	51.34	1.0	50	0	103	85	115	0	0		
4-Methyl-2-pentanone	48.2	5.0	50	0	96.4	65.9	120	0	0		
Acetone	51.39	20	50	0	103	34.1	157	0	0		
Benzene	50.77	1.0	50	0	102	85	115	0	0		
Bromobenzene	49.97	1.0	50	0	99.9	85	115	0	0		
Bromochloromethane	49.78	1.0	50	0	99.6	81.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCS-R33195	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	51.19	1.0	50	0	102	85	115	0	0		
Bromoform	53.29	1.0	50	0	107	77.3	123	0	0		
Bromomethane	48.41	5.0	50	0	96.8	44.1	262	0	0		
Carbon tetrachloride	53.88	1.0	50	0	108	82.6	125	0	0		
Chlorobenzene	50.63	1.0	50	0	101	85	115	0	0		
Chloroethane	51.12	1.0	50	0	102	80.3	117	0	0		
Chloroform	51.19	1.0	50	0	102	85	115	0	0		
Chloromethane	49.55	1.0	50	0	99.1	64.3	128	0	0		
cis-1,2-Dichloroethene	51.51	1.0	50	0	103	85	115	0	0		
cis-1,3-Dichloropropene	50.85	1.0	50	0	102	85	115	0	0		
Dibromochloromethane	51.61	1.0	50	0	103	85	115	0	0		
Dichlorodifluoromethane	52.86	1.0	50	0	106	75	125	0	0		
Ethylbenzene	50.95	1.0	50	0	102	85	115	0	0		
m,p-Xylene	100.8	2.0	100	0	101	85	115	0	0		
Methyl tert-butyl ether	51.02	1.0	50	0	102	85	115	0	0		
Methylene chloride	49.36	2.0	50	0	98.7	85	115	0	0		
n-Butylbenzene	51.41	1.0	50	0	103	85	115	0	0		
n-Propylbenzene	49.82	1.0	50	0	99.6	85	115	0	0		
o-Xylene	50.17	1.0	50	0	100	85	115	0	0		
sec-Butylbenzene	51.51	1.0	50	0	103	85	115	0	0		
Styrene	51.12	1.0	50	0	102	85	115	0	0		
tert-Butylbenzene	51.54	1.0	50	0	103	85	115	0	0		
Tetrachloroethene	50.61	1.0	50	0	101	85	115	0	0		
Toluene	50.07	1.0	50	0	100	85	115	0	0		
trans-1,2-Dichloroethene	51.83	1.0	50	0	104	85	115	0	0		
trans-1,3-Dichloropropene	50.1	1.0	50	0	100	85	115	0	0		
Trichloroethene	49.91	1.0	50	0	99.8	85	115	0	0		
Trichlorofluoromethane	54.41	1.0	50	0	109	82.9	118	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID LCS-R33195	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375757

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	49.48	1.0	50	0	99	72.7	127	0	0		
Vinyl chloride	52.41	1.0	50	0	105	85	115	0	0		
Surr: 4-Bromofluorobenzene	48.72	0	50	0	97.4	80.5	103	0	0		
Surr: Dibromofluoromethane	49.5	0	50	0	99	75.9	110	0	0		
Surr: Toluene-d8	48.55	0	50	0	97.1	79	106	0	0		

Sample ID LCSD-R33115	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	49.81	1.0	50	0	99.6	85	115	48.92	1.80	25	
1,1,2,2-Tetrachloroethane	47.86	1.0	50	0	95.7	71.3	115	48.78	1.90	25	
1,1,2-Trichloroethane	48.79	1.0	50	0	97.6	85	115	51.93	6.24	25	
1,1-Dichloroethane	49.8	1.0	50	0	99.6	85	115	49.36	0.887	25	
1,1-Dichloroethene	52.2	1.0	50	0	104	85	115	51.45	1.45	25	
1,1-Dichloropropene	49.37	1.0	50	0	98.7	85	115	47.43	4.01	25	
1,2,3-Trichlorobenzene	48.82	5.0	50	0	97.6	72.5	127	49.53	1.44	25	
1,2,3-Trichloropropane	48.08	1.0	50	0	96.2	73.2	114	48.56	0.993	25	
1,2,4-Trimethylbenzene	49.17	1.0	50	0	98.3	85	115	48.87	0.612	25	
1,2-Dibromoethane	48.57	1.0	50	0	97.1	85	115	48.7	0.267	25	
1,2-Dichlorobenzene	49.82	1.0	50	0	99.6	85	115	49.75	0.141	25	
1,2-Dichloroethane	49	1.0	50	0	98	85	115	48.53	0.964	25	
1,2-Dichloropropane	50.31	1.0	50	0	101	85	115	50.11	0.398	25	
1,3,5-Trimethylbenzene	49.64	1.0	50	0	99.3	85	115	47.57	4.26	25	
1,3-Dichlorobenzene	50.06	1.0	50	0	100	85	115	49.21	1.71	25	
1,3-Dichloropropane	49.27	1.0	50	0	98.5	85	115	49.07	0.407	25	
1,4-Dichlorobenzene	49.5	1.0	50	0	99	85	115	49.63	0.262	25	
2,2-Dichloropropane	55.11	1.0	50	0	110	57.5	139	52.11	5.60	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCSD-R33115	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone (MEK)	51.99	5.0	50	0	104	56.2	128	44.41	15.7	25	
2-Chlorotoluene	49.37	1.0	50	0	98.7	85	115	47.64	3.57	25	
2-Hexanone	51.07	5.0	50	0	102	62.4	124	45.84	10.8	25	
4-Chlorotoluene	49.09	1.0	50	0	98.2	85	115	47.37	3.57	25	
4-Isopropyltoluene	48.35	1.0	50	0	96.7	85	115	47.29	2.22	25	
4-Methyl-2-pentanone	46.55	5.0	50	0	93.1	65.9	120	47.03	1.03	25	
Acetone	59.04	20	50	0	118	34.1	157	45.61	25.7	25	R7
Benzene	49.49	1.0	50	0	99	85	115	48.5	2.02	25	
Bromobenzene	51.18	1.0	50	0	102	85	115	49.86	2.61	25	
Bromochloromethane	53.54	1.0	50	0	107	81.1	120	53.21	0.618	25	
Bromodichloromethane	50.78	1.0	50	0	102	85	115	49.63	2.29	25	
Bromoform	50.13	1.0	50	0	100	77.3	123	49.3	1.67	25	
Bromomethane	54.3	5.0	50	0	109	44.1	262	52.43	3.50	25	
Carbon tetrachloride	55.83	1.0	50	0	112	82.6	125	53.73	3.83	25	
Chlorobenzene	49.54	1.0	50	0	99.1	85	115	48.82	1.46	25	
Chloroethane	50.31	1.0	50	0	101	80.3	117	49.64	1.34	25	
Chloroform	49.26	1.0	50	0	98.5	85	115	48.89	0.754	25	
Chloromethane	37.56	1.0	50	0	75.1	64.3	128	36.88	1.83	25	
cis-1,2-Dichloroethene	50.7	1.0	50	0	101	85	115	50.6	0.197	25	
cis-1,3-Dichloropropene	49.92	1.0	50	0	99.8	85	115	48.84	2.19	25	
Dibromochloromethane	50.48	1.0	50	0	101	85	115	49.99	0.975	25	
Dichlorodifluoromethane	45.26	1.0	50	0	90.5	75	125	43.69	3.53	25	
Ethylbenzene	49.72	1.0	50	0	99.4	85	115	48.21	3.08	25	
m,p-Xylene	100.9	2.0	100	0	101	85	115	99.06	1.84	25	
Methyl tert-butyl ether	48.63	1.0	50	0	97.3	85	115	48.7	0.144	25	
Methylene chloride	49.02	2.0	50	0	98	85	115	49.49	0.954	25	
n-Butylbenzene	49.6	1.0	50	0	99.2	85	115	47.77	3.76	25	
n-Propylbenzene	48.89	1.0	50	0	97.8	85	115	47.47	2.95	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID LCSD-R33115	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: ZZZZZ	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	50.32	1.0	50	0	101	85	115	47.96	4.80	25	
sec-Butylbenzene	49.27	1.0	50	0	98.5	85	115	48.58	1.41	25	
Styrene	50.07	1.0	50	0	100	85	115	48.09	4.03	25	
tert-Butylbenzene	47.81	1.0	50	0	95.6	85	115	47.58	0.482	25	
Tetrachloroethene	49.94	1.0	50	0	99.9	85	115	48.5	2.93	25	
Toluene	49.12	1.0	50	0	98.2	85	115	48.3	1.68	25	
trans-1,2-Dichloroethene	51.68	1.0	50	0	103	85	115	49.22	4.88	25	
trans-1,3-Dichloropropene	47.83	1.0	50	0	95.7	85	115	48.3	0.978	25	
Trichloroethene	50.21	1.0	50	0	100	85	115	48.2	4.08	25	
Trichlorofluoromethane	51.11	1.0	50	0	102	82.9	118	49.21	3.79	25	
Vinyl acetate	55.47	1.0	50	0	111	72.7	127	53.59	3.45	25	
Vinyl chloride	51.04	1.0	50	0	102	85	115	49.15	3.77	25	
Surr: 4-Bromofluorobenzene	45.44	0	50	0	90.9	80.5	103	0	0	25	
Surr: Dibromofluoromethane	46.16	0	50	0	92.3	75.9	110	0	0	25	
Surr: Toluene-d8	46.29	0	50	0	92.6	79	106	0	0	25	

Sample ID LCSD-R33195	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375767

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	53.29	1.0	50	0	107	85	115	52.99	0.565	25	
1,1,2,2-Tetrachloroethane	51.5	1.0	50	0	103	71.3	115	46.89	9.37	25	
1,1,2-Trichloroethane	54.77	1.0	50	0	110	85	115	48.88	11.4	25	
1,1-Dichloroethane	51.91	1.0	50	0	104	85	115	51.44	0.910	25	
1,1-Dichloroethene	53.87	1.0	50	0	108	85	115	52.53	2.52	25	
1,1-Dichloropropene	52.48	1.0	50	0	105	85	115	51.91	1.09	25	
1,2,3-Trichlorobenzene	51.21	5.0	50	0	102	72.5	127	49.88	2.63	25	
1,2,3-Trichloropropane	53.13	1.0	50	0	106	73.2	114	47.59	11.0	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCSD-R33195	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375767

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	49.64	1.0	50	0	99.3	85	115	48.36	2.61	25	
1,2-Dibromoethane	56.03	1.0	50	0	112	85	115	50.12	11.1	25	
1,2-Dichlorobenzene	53.14	1.0	50	0	106	85	115	50.73	4.64	25	
1,2-Dichloroethane	52.61	1.0	50	0	105	85	115	49.99	5.11	25	
1,2-Dichloropropane	53.13	1.0	50	0	106	85	115	50.16	5.75	25	
1,3,5-Trimethylbenzene	50.47	1.0	50	0	101	85	115	50.34	0.258	25	
1,3-Dichlorobenzene	51.3	1.0	50	0	103	85	115	50.21	2.15	25	
1,3-Dichloropropane	54.19	1.0	50	0	108	85	115	49.13	9.79	25	
1,4-Dichlorobenzene	51.65	1.0	50	0	103	85	115	50.46	2.33	25	
2,2-Dichloropropane	52.24	1.0	50	0	104	57.5	139	52.5	0.496	25	
2-Butanone (MEK)	44.33	5.0	50	0	88.7	56.2	128	54.3	20.2	25	
2-Chlorotoluene	50.22	1.0	50	0	100	85	115	48.32	3.86	25	
2-Hexanone	44.69	5.0	50	0	89.4	62.4	124	54.34	19.5	25	
4-Chlorotoluene	50.89	1.0	50	0	102	85	115	50.09	1.58	25	
4-Isopropyltoluene	51.27	1.0	50	0	103	85	115	51.34	0.136	25	
4-Methyl-2-pentanone	54.61	5.0	50	0	109	65.9	120	48.2	12.5	25	
Acetone	36.19	20	50	0	72.4	34.1	157	51.39	34.7	25	R7
Benzene	51.73	1.0	50	0	103	85	115	50.77	1.87	25	
Bromobenzene	52.36	1.0	50	0	105	85	115	49.97	4.67	25	
Bromochloromethane	52.51	1.0	50	0	105	81.1	120	49.78	5.34	25	
Bromodichloromethane	54.72	1.0	50	0	109	85	115	51.19	6.67	25	
Bromoform	58.62	1.0	50	0	117	77.3	123	53.29	9.53	25	
Bromomethane	48.76	5.0	50	0	97.5	44.1	262	48.41	0.720	25	
Carbon tetrachloride	54.53	1.0	50	0	109	82.6	125	53.88	1.20	25	
Chlorobenzene	52.18	1.0	50	0	104	85	115	50.63	3.02	25	
Chloroethane	50.79	1.0	50	0	102	80.3	117	51.12	0.648	25	
Chloroform	52.22	1.0	50	0	104	85	115	51.19	1.99	25	
Chloromethane	49.62	1.0	50	0	99.6	64.3	128	49.55	0.543	25	

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: LCSD-R33195	SampType: LCSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375767

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	52.23	1.0	50	0	104	85	115	51.51	1.39	25	
cis-1,3-Dichloropropene	54.37	1.0	50	0	109	85	115	50.85	6.69	25	
Dibromochloromethane	57.04	1.0	50	0	114	85	115	51.61	10.0	25	
Dichlorodifluoromethane	53.46	1.0	50	0	107	75	125	52.86	1.13	25	
Ethylbenzene	52.54	1.0	50	0	105	85	115	50.95	3.07	25	
m,p-Xylene	104.4	2.0	100	0	104	85	115	100.8	3.54	25	
Methyl tert-butyl ether	55.64	1.0	50	0	111	85	115	51.02	8.66	25	
Methylene chloride	50.65	2.0	50	0	101	85	115	49.36	2.58	25	
n-Butylbenzene	51.28	1.0	50	0	103	85	115	51.41	0.253	25	
n-Propylbenzene	50.98	1.0	50	0	102	85	115	49.82	2.30	25	
o-Xylene	51.27	1.0	50	0	103	85	115	50.17	2.17	25	
sec-Butylbenzene	51.43	1.0	50	0	103	85	115	51.51	0.155	25	
Styrene	53.13	1.0	50	0	106	85	115	51.12	3.86	25	
tert-Butylbenzene	51.51	1.0	50	0	103	85	115	51.54	0.0582	25	
Tetrachloroethene	53.57	1.0	50	0	107	85	115	50.61	5.68	25	
Toluene	53.24	1.0	50	0	106	85	115	50.07	6.14	25	
trans-1,2-Dichloroethene	52.83	1.0	50	0	106	85	115	51.83	1.91	25	
trans-1,3-Dichloropropene	54.18	1.0	50	0	108	85	115	50.1	7.83	25	
Trichloroethene	52.23	1.0	50	0	104	85	115	49.91	4.54	25	
Trichlorofluoromethane	55.2	1.0	50	0	110	82.9	118	54.41	1.44	25	
Vinyl acetate	53.8	1.0	50	0	108	72.7	127	49.48	8.37	25	
Vinyl chloride	52.83	1.0	50	0	106	85	115	52.41	0.798	25	
Surr: 4-Bromofluorobenzene	51.4	0	50	0	103	80.5	103	0	0	25	
Surr: Dibromofluoromethane	52.01	0	50	0	104	75.9	110	0	0	25	
Surr: Toluene-d8	52.55	0	50	0	105	79	106	0	0	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030436-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374699

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	43.74	1.0	50	0	87.5	85	115	0	0		
1,1,2,2-Tetrachloroethane	40.48	1.0	50	0	81	71.3	115	0	0		
1,1,2-Trichloroethane	40.74	1.0	50	0	81.5	85	115	0	0		M7
1,1-Dichloroethane	41.37	1.0	50	0	82.7	85	115	0	0		M7
1,1-Dichloroethene	45.76	1.0	50	0	91.5	85	115	0	0		
1,1-Dichloropropene	43.39	1.0	50	0	86.8	85	115	0	0		
1,2,3-Trichlorobenzene	39.84	5.0	50	0	79.7	72.5	127	0	0		
1,2,3-Trichloropropane	39.27	1.0	50	0	78.5	73.2	114	0	0		
1,2,4-Trimethylbenzene	40.41	1.0	50	0	80.8	85	115	0	0		M7
1,2-Dibromoethane	39.57	1.0	50	0	79.1	85	115	0	0		M7
1,2-Dichlorobenzene	40.43	1.0	50	0	80.9	85	115	0	0		M7
1,2-Dichloroethane	41.51	1.0	50	0	83	85	115	0	0		M7
1,2-Dichloropropane	41.53	1.0	50	0	83.1	85	115	0	0		M7
1,3,5-Trimethylbenzene	40.32	1.0	50	0	80.6	85	115	0	0		M7
1,3-Dichlorobenzene	39.77	1.0	50	0	79.5	85	115	0	0		M7
1,3-Dichloropropane	40.88	1.0	50	0	81.8	85	115	0	0		M7
1,4-Dichlorobenzene	40.6	1.0	50	0	81.2	85	115	0	0		M7
2,2-Dichloropropane	43.09	1.0	50	0	86.2	57.5	139	0	0		
2-Butanone (MEK)	38.93	5.0	50	0	77.9	56.2	128	0	0		
2-Chlorotoluene	40.45	1.0	50	0	80.9	85	115	0	0		M7
2-Hexanone	39.16	5.0	50	0	78.3	62.4	124	0	0		
4-Chlorotoluene	40.22	1.0	50	0	80.4	85	115	0	0		M7
4-Isopropyltoluene	39.81	1.0	50	0	79.6	85	115	0	0		M7
4-Methyl-2-pentanone	38.75	5.0	50	0	77.5	65.9	120	0	0		
Acetone	39.18	20	50	0	78.4	34.1	157	0	0		
Benzene	41.99	1.0	50	0	84	85	115	0	0		M7
Bromobenzene	41.8	1.0	50	0	83.6	85	115	0	0		M7
Bromochloromethane	44.41	1.0	50	0	88.8	81.1	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 03030436-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374699

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	41.36	1.0	50	0	82.7	85	115	0	0		M7
Bromoform	40.52	1.0	50	0	81	77.3	123	0	0		
Bromomethane	43.45	5.0	50	0	86.9	44.1	262	0	0		
Carbon tetrachloride	48.9	1.0	50	0	97.8	82.6	125	0	0		
Chlorobenzene	40.88	1.0	50	0	81.8	85	115	0	0		M7
Chloroethane	43.84	1.0	50	0	87.7	80.3	117	0	0		
Chloroform	42.65	1.0	50	0	85.3	85	115	0	0		
Chloromethane	32.78	1.0	50	0	65.6	64.3	128	0	0		
cis-1,2-Dichloroethene	46.14	1.0	50	2.97	86.3	85	115	0	0		
cis-1,3-Dichloropropene	40.14	1.0	50	0	80.3	85	115	0	0		M7
Dibromochloromethane	40.96	1.0	50	0	81.9	85	115	0	0		M7
Dichlorodifluoromethane	40.26	1.0	50	0	80.5	75	125	0	0		
Ethylbenzene	41.05	1.0	50	0	82.1	85	115	0	0		M7
m,p-Xylene	83.57	2.0	100	0	83.6	85	115	0	0		M7
Methyl tert-butyl ether	40.9	1.0	50	0	81.8	85	115	0	0		M7
Methylene chloride	42.54	2.0	50	0	85.1	85	115	0	0		
n-Butylbenzene	40.23	1.0	50	0	80.5	85	115	0	0		M7
n-Propylbenzene	40.24	1.0	50	0	80.5	85	115	0	0		M7
o-Xylene	40.83	1.0	50	0	81.7	85	115	0	0		M7
sec-Butylbenzene	41.28	1.0	50	0	82.6	85	115	0	0		M7
Styrene	40.14	1.0	50	0	80.3	85	115	0	0		M7
tert-Butylbenzene	40.08	1.0	50	0	80.2	85	115	0	0		M7
Tetrachloroethene	44.25	1.0	50	2.44	83.6	85	115	0	0		M7
Toluene	42.83	1.0	50	1.37	82.9	85	115	0	0		M7
trans-1,2-Dichloroethene	43.89	1.0	50	0	87.8	85	115	0	0		
trans-1,3-Dichloropropene	39.55	1.0	50	0	79.1	85	115	0	0		M7
Trichloroethene	52.06	1.0	50	10	84.1	85	115	0	0		M7
Trichlorofluoromethane	45.04	1.0	50	0	90.1	82.9	118	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030436-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374699

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	43.55	1.0	50	0	87.1	72.7	127	0	0		
Vinyl chloride	46.11	1.0	50	0	92.2	85	115	0	0		
Surr: 4-Bromofluorobenzene	45.51	0	50	0	91	80.5	103	0	0		
Surr: Dibromofluoromethane	47.03	0	50	0	94.1	75.9	110	0	0		
Surr: Toluene-d8	46.35	0	50	0	92.7	79	106	0	0		

Sample ID 03030521-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375850

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51.55	1.0	50	0	103	85	115	0	0		
1,1,2,2-Tetrachloroethane	51.48	1.0	50	0	103	71.3	115	0	0		
1,1,2-Trichloroethane	51.26	1.0	50	0	103	85	115	0	0		
1,1-Dichloroethane	50.18	1.0	50	0	100	85	115	0	0		
1,1-Dichloroethene	51.5	1.0	50	0	103	85	115	0	0		
1,1-Dichloropropene	49.3	1.0	50	0	98.6	85	115	0	0		
1,2,3-Trichlorobenzene	49.7	5.0	50	0	99.4	72.5	127	0	0		
1,2,3-Trichloropropane	53.46	1.0	50	0	107	73.2	114	0	0		
1,2,4-Trimethylbenzene	48.88	1.0	50	0	97.8	85	115	0	0		
1,2-Dibromoethane	52.62	1.0	50	0	105	85	115	0	0		
1,2-Dichlorobenzene	50.86	1.0	50	0	102	85	115	0	0		
1,2-Dichloroethane	49.63	1.0	50	0	99.3	85	115	0	0		
1,2-Dichloropropane	50.74	1.0	50	0	101	85	115	0	0		
1,3,5-Trimethylbenzene	50.15	1.0	50	0	100	85	115	0	0		
1,3-Dichlorobenzene	50.23	1.0	50	0	100	85	115	0	0		
1,3-Dichloropropane	51.15	1.0	50	0	102	85	115	0	0		
1,4-Dichlorobenzene	50.71	1.0	50	0	101	85	115	0	0		
2,2-Dichloropropane	49.22	1.0	50	0	98.4	57.5	139	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030521-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375850

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Butanone (MEK)	33.58	5.0	50	0	67.2	56.2	128	0	0		
2-Chlorotoluene	50.39	1.0	50	0	101	85	115	0	0		
2-Hexanone	36.75	5.0	50	0	73.5	62.4	124	0	0		
4-Chlorotoluene	50.74	1.0	50	0	101	85	115	0	0		
4-Isopropyltoluene	50.52	1.0	50	0	101	85	115	0	0		
4-Methyl-2-pentanone	48.19	5.0	50	0	96.4	65.9	120	0	0		
Acetone	22.54	20	50	0	45.1	34.1	157	0	0		
Benzene	50.33	1.0	50	0	101	85	115	0	0		
Bromobenzene	51.79	1.0	50	0	104	85	115	0	0		
Bromochloromethane	50.21	1.0	50	0	100	81.1	120	0	0		
Bromodichloromethane	51.46	1.0	50	0	103	85	115	0	0		
Bromoform	54.91	1.0	50	0	110	77.3	123	0	0		
Bromomethane	38.8	5.0	50	0	77.6	44.1	262	0	0		
Carbon tetrachloride	51.83	1.0	50	0	104	82.6	125	0	0		
Chlorobenzene	50.33	1.0	50	0	101	85	115	0	0		
Chloroethane	48.31	1.0	50	0	96.6	80.3	117	0	0		
Chloroform	50.81	1.0	50	0	102	85	115	0	0		
Chloromethane	48.35	1.0	50	0	96.7	64.3	128	0	0		
cis-1,2-Dichloroethene	50.9	1.0	50	0	102	85	115	0	0		
cis-1,3-Dichloropropene	50.7	1.0	50	0	101	85	115	0	0		
Dibromochloromethane	52.78	1.0	50	0	106	85	115	0	0		
Dichlorodifluoromethane	51.07	1.0	50	0	102	75	125	0	0		
Ethylbenzene	50.48	1.0	50	0	101	85	115	0	0		
m,p-Xylene	101.9	2.0	100	0	102	85	115	0	0		
Methyl tert-butyl ether	53.87	1.0	50	0	108	85	115	0	0		
Methylene chloride	49.16	2.0	50	0	98.3	85	115	0	0		
n-Butylbenzene	50.03	1.0	50	0	100	85	115	0	0		
n-Propylbenzene	49.66	1.0	50	0	99.3	85	115	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030521-01A MS	SampType: MS	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375850

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	50.04	1.0	50	0	100	85	115	0	0		
sec-Butylbenzene	50.93	1.0	50	0	102	85	115	0	0		
Styrene	48.33	1.0	50	0	96.7	85	115	0	0		
tert-Butylbenzene	51.69	1.0	50	0	103	85	115	0	0		
Tetrachloroethene	51.28	1.0	50	0	103	85	115	0	0		
Toluene	50.41	1.0	50	0	101	85	115	0	0		
trans-1,2-Dichloroethene	50.93	1.0	50	0	102	85	115	0	0		
trans-1,3-Dichloropropene	50.5	1.0	50	0	101	85	115	0	0		
Trichloroethene	50.18	1.0	50	0	100	85	115	0	0		
Trichlorofluoromethane	51.63	1.0	50	0	103	82.9	118	0	0		
Vinyl acetate	50.57	1.0	50	0	101	72.7	127	0	0		
Vinyl chloride	50.94	1.0	50	0	102	85	115	0	0		
Surr: 4-Bromofluorobenzene	49.03	0	50	0	98.1	80.5	103	0	0		
Surr: Dibromofluoromethane	50.23	0	50	0	100	75.9	110	0	0		
Surr: Toluene-d8	49.97	0	50	0	99.9	79	106	0	0		

Sample ID 03030436-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51.27	1.0	50	0	103	85	115	43.74	15.9	25	
1,1,2,2-Tetrachloroethane	48.01	1.0	50	0	96	71.3	115	40.48	17.0	25	
1,1,2-Trichloroethane	48.32	1.0	50	0	96.6	85	115	40.74	17.0	25	
1,1-Dichloroethane	50.75	1.0	50	0	102	85	115	41.37	20.4	25	
1,1-Dichloroethene	54.71	1.0	50	0	109	85	115	45.76	17.8	25	
1,1-Dichloropropene	52.31	1.0	50	0	105	85	115	43.39	18.6	25	
1,2,3-Trichlorobenzene	56.22	5.0	50	0	112	72.5	127	39.84	34.1	25	R5
1,2,3-Trichloropropane	48.24	1.0	50	0	96.5	73.2	114	39.27	20.5	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030436-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	50.23	1.0	50	0	100	85	115	40.41	21.7	25	
1,2-Dibromoethane	47.53	1.0	50	0	95.1	85	115	39.57	18.3	25	
1,2-Dichlorobenzene	48.99	1.0	50	0	98	85	115	40.43	19.1	25	
1,2-Dichloroethane	49.39	1.0	50	0	98.8	85	115	41.51	17.3	25	
1,2-Dichloropropane	49.16	1.0	50	0	98.3	85	115	41.53	16.8	25	
1,3,5-Trimethylbenzene	49.55	1.0	50	0	99.1	85	115	40.32	20.5	25	
1,3-Dichlorobenzene	49.13	1.0	50	0	98.3	85	115	39.77	21.1	25	
1,3-Dichloropropane	48.8	1.0	50	0	97.6	85	115	40.88	17.7	25	
1,4-Dichlorobenzene	48.89	1.0	50	0	97.8	85	115	40.6	18.5	25	
2,2-Dichloropropane	52.4	1.0	50	0	105	57.5	139	43.09	19.5	25	
2-Butanone (MEK)	43.01	5.0	50	0	86	56.2	128	38.93	9.96	25	
2-Chlorotoluene	48.78	1.0	50	0	97.6	85	115	40.45	18.7	25	
2-Hexanone	45.85	5.0	50	0	91.7	62.4	124	39.16	15.7	25	
4-Chlorotoluene	48.5	1.0	50	0	97	85	115	40.22	18.7	25	
4-Isopropyltoluene	48.5	1.0	50	0	97	85	115	39.81	19.7	25	
4-Methyl-2-pentanone	46.59	5.0	50	0	93.2	65.9	120	38.75	18.4	25	
Acetone	47.66	20	50	0	95.3	34.1	157	39.18	19.5	25	
Benzene	50.78	1.0	50	0	102	85	115	41.99	19.0	25	
Bromobenzene	50.22	1.0	50	0	100	85	115	41.8	18.3	25	
Bromochloromethane	51.66	1.0	50	0	103	81.1	120	44.41	15.1	25	
Bromodichloromethane	50.59	1.0	50	0	101	85	115	41.36	20.1	25	
Bromoform	48.52	1.0	50	0	97	77.3	123	40.52	18.0	25	
Bromomethane	53.59	5.0	50	0	107	44.1	262	43.45	20.9	25	
Carbon tetrachloride	58.84	1.0	50	0	118	82.6	125	48.9	18.5	25	
Chlorobenzene	49.74	1.0	50	0	99.5	85	115	40.88	19.6	25	
Chloroethane	52.21	1.0	50	0	104	80.3	117	43.84	17.4	25	
Chloroform	50.9	1.0	50	0	102	85	115	42.65	17.6	25	
Chloromethane	40.56	1.0	50	0	81.1	64.3	128	32.78	21.2	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030436-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS07_030311A
Client ID: MW-1	Batch ID: R33115	TestNo: SW8260B		Analysis Date: 3/11/2003	SeqNo: 374700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,2-Dichloroethene	54.46	1.0	50	2.97	103	85	115	46.14	16.5	25	
cis-1,3-Dichloropropene	48.46	1.0	50	0	96.9	85	115	40.14	18.8	25	
Dibromochloromethane	49.27	1.0	50	0	98.5	85	115	40.96	18.4	25	
Dichlorodifluoromethane	47.21	1.0	50	0	94.4	75	125	40.26	15.9	25	
Ethylbenzene	50.05	1.0	50	0	100	85	115	41.05	19.8	25	
m,p-Xylene	102.1	2.0	100	0	102	85	115	83.57	20.0	25	
Methyl tert-butyl ether	48.8	1.0	50	0	97.6	85	115	40.9	17.6	25	
Methylene chloride	50.59	2.0	50	0	101	85	115	42.54	17.3	25	
n-Butylbenzene	50.73	1.0	50	0	101	85	115	40.23	23.1	25	
n-Propylbenzene	49.38	1.0	50	0	98.8	85	115	40.24	20.4	25	
o-Xylene	50.2	1.0	50	0	100	85	115	40.83	20.6	25	
sec-Butylbenzene	49.09	1.0	50	0	98.2	85	115	41.28	17.3	25	
Styrene	49.53	1.0	50	0	99.1	85	115	40.14	20.9	25	
tert-Butylbenzene	48.92	1.0	50	0	97.8	85	115	40.08	19.9	25	
Tetrachloroethene	53.06	1.0	50	2.44	101	85	115	44.25	18.1	25	
Toluene	51.31	1.0	50	1.37	99.9	85	115	42.83	18.0	25	
trans-1,2-Dichloroethene	53.03	1.0	50	0	106	85	115	43.89	18.9	25	
trans-1,3-Dichloropropene	47.76	1.0	50	0	95.5	85	115	39.55	18.8	25	
Trichloroethene	61.99	1.0	50	10	104	85	115	52.06	17.4	25	
Trichlorofluoromethane	54.04	1.0	50	0	108	82.9	118	45.04	18.2	25	
Vinyl acetate	52.14	1.0	50	0	104	72.7	127	43.55	18.0	25	
Vinyl chloride	55.78	1.0	50	0	112	85	115	46.11	19.0	25	
Surr: 4-Bromofluorobenzene	46.08	0	50	0	92.2	80.5	103	0	0	25	
Surr: Dibromofluoromethane	46.2	0	50	0	92.4	75.9	110	0	0	25	
Surr: Toluene-d8	45.75	0	50	0	91.5	79	106	0	0	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 03030521-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375851

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	49.74	1.0	50	0	99.5	85	115	51.55	3.57	25	
1,1,2,2-Tetrachloroethane	50.19	1.0	50	0	100	71.3	115	51.48	2.54	25	
1,1,2-Trichloroethane	49.7	1.0	50	0	99.4	85	115	51.26	3.09	25	
1,1-Dichloroethane	48.09	1.0	50	0	96.2	85	115	50.18	4.25	25	
1,1-Dichloroethene	49.34	1.0	50	0	98.7	85	115	51.5	4.28	25	
1,1-Dichloropropene	47.83	1.0	50	0	95.7	85	115	49.3	3.03	25	
1,2,3-Trichlorobenzene	46.27	5.0	50	0	92.5	72.5	127	49.7	7.15	25	
1,2,3-Trichloropropane	52.42	1.0	50	0	105	73.2	114	53.46	1.96	25	
1,2,4-Trimethylbenzene	46.58	1.0	50	0	93.2	85	115	48.88	4.82	25	
1,2-Dibromoethane	50.16	1.0	50	0	100	85	115	52.62	4.79	25	
1,2-Dichlorobenzene	49.2	1.0	50	0	98.4	85	115	50.86	3.32	25	
1,2-Dichloroethane	47.7	1.0	50	0	95.4	85	115	49.63	3.97	25	
1,2-Dichloropropane	48.06	1.0	50	0	96.1	85	115	50.74	5.43	25	
1,3,5-Trimethylbenzene	47.93	1.0	50	0	95.9	85	115	50.15	4.53	25	
1,3-Dichlorobenzene	48.44	1.0	50	0	96.9	85	115	50.23	3.63	25	
1,3-Dichloropropane	48.82	1.0	50	0	97.6	85	115	51.15	4.66	25	
1,4-Dichlorobenzene	49.11	1.0	50	0	98.2	85	115	50.71	3.21	25	
2,2-Dichloropropane	46.87	1.0	50	0	93.7	57.5	139	49.22	4.89	25	
2-Butanone (MEK)	33.54	5.0	50	0	67.1	56.2	128	33.58	0.119	25	
2-Chlorotoluene	48.14	1.0	50	0	96.3	85	115	50.39	4.57	25	
2-Hexanone	36.29	5.0	50	0	72.6	62.4	124	36.75	1.26	25	
4-Chlorotoluene	48.12	1.0	50	0	96.2	85	115	50.74	5.30	25	
4-Isopropyltoluene	48.33	1.0	50	0	96.7	85	115	50.52	4.43	25	
4-Methyl-2-pentanone	40.99	5.0	50	0	82	65.9	120	48.19	16.1	25	
Acetone	24.86	20	50	0	49.7	34.1	157	22.54	9.79	25	
Benzene	48.37	1.0	50	0	96.7	85	115	50.33	3.97	25	
Bromobenzene	49.64	1.0	50	0	99.3	85	115	51.79	4.24	25	
Bromochloromethane	47.27	1.0	50	0	94.5	81.1	120	50.21	6.03	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID: 03030521-01A MSD SampType: MSD TestCode: 8260_W Units: µg/L Prep Date: Run ID: MS01_030313A
Client ID: ZZZZZ Batch ID: R33195 TestNo: SW8260B Analysis Date: 3/13/2003 SeqNo: 375851

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	49.07	1.0	50	0	98.1	85	115	51.46	4.75	25	
Bromoform	54.05	1.0	50	0	108	77.3	123	54.91	1.58	25	
Bromomethane	35.41	5.0	50	0	70.8	44.1	262	38.8	9.14	25	
Carbon tetrachloride	49.99	1.0	50	0	100	82.6	125	51.83	3.61	25	
Chlorobenzene	48.79	1.0	50	0	97.6	85	115	50.33	3.11	25	
Chloroethane	46.17	1.0	50	0	92.3	80.3	117	48.31	4.53	25	
Chloroform	48.8	1.0	50	0	97.6	85	115	50.81	4.04	25	
Chloromethane	47.01	1.0	50	0	94	64.3	128	48.35	2.81	25	
cis-1,2-Dichloroethene	48.76	1.0	50	0	97.5	85	115	50.9	4.29	25	
cis-1,3-Dichloropropene	48.42	1.0	50	0	96.8	85	115	50.7	4.60	25	
Dibromochloromethane	50.72	1.0	50	0	101	85	115	52.78	3.98	25	
Dichlorodifluoromethane	47.53	1.0	50	0	95.1	75	125	51.07	7.18	25	
Ethylbenzene	48.91	1.0	50	0	97.8	85	115	50.48	3.16	25	
m,p-Xylene	97.3	2.0	100	0	97.3	85	115	101.9	4.58	25	
Methyl tert-butyl ether	51.67	1.0	50	0	103	85	115	53.87	4.17	25	
Methylene chloride	46.64	2.0	50	0	93.3	85	115	49.16	5.26	25	
n-Butylbenzene	48.34	1.0	50	0	96.7	85	115	50.03	3.44	25	
n-Propylbenzene	49.17	1.0	50	0	98.3	85	115	49.66	0.992	25	
o-Xylene	48.74	1.0	50	0	97.5	85	115	50.04	2.63	25	
sec-Butylbenzene	49.08	1.0	50	0	98.2	85	115	50.93	3.70	25	
Styrene	45.51	1.0	50	0	91	85	115	48.33	6.01	25	
tert-Butylbenzene	49.74	1.0	50	0	99.5	85	115	51.69	3.85	25	
Tetrachloroethene	49.63	1.0	50	0	99.3	85	115	51.28	3.27	25	
Toluene	48.69	1.0	50	0	97.4	85	115	50.41	3.47	25	
trans-1,2-Dichloroethene	48.47	1.0	50	0	96.9	85	115	50.93	4.95	25	
trans-1,3-Dichloropropene	48.3	1.0	50	0	96.6	85	115	50.5	4.45	25	
Trichloroethene	47.82	1.0	50	0	95.6	85	115	50.18	4.82	25	
Trichlorofluoromethane	49.66	1.0	50	0	99.3	82.9	118	51.63	3.89	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

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CLIENT: Transwest Geochem, Inc.
Work Order: 03030436
Project: WSP Van Buren 2167/0303092

ANALYTICAL QC SUMMARY REPORT

TestCode: 8260_W

Sample ID 03030521-01A MSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date:	Run ID: MS01_030313A
Client ID: ZZZZZ	Batch ID: R33195	TestNo: SW8260B		Analysis Date: 3/13/2003	SeqNo: 375851

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl acetate	48.05	1.0	50	0	96.1	72.7	127	50.57	5.11	25	
Vinyl chloride	48.27	1.0	50	0	96.5	85	115	50.94	5.38	25	
Surr: 4-Bromofluorobenzene	49.8	0	50	0	99.6	80.5	103	0	0	25	
Surr: Dibromofluoromethane	49.87	0	50	0	99.7	75.9	110	0	0	25	
Surr: Toluene-d8	49.5	0	50	0	99	79	106	0	0	25	

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

Corporate Address 1501 W. Knudsen Phoenix, AZ 85027 Phone: 623-780-4800 Toll Free: 800-651-4802 Fax: 623-780-7695 www.aerotechlabs.com
Main Laboratory 1725 W. 17th Street Tempe, AZ 85281 Phone: 480-967-1310 Toll Free: 866-772-5227 Fax: 480-967-1019 www.palabs.com

Precision Analytical Laboratories

Sample Receipt Checklist

Client Name Transwest Geochem Date and Time Received 3-10-03 1525

Lab Number 0-303-0436 Received by Tam

Checklist completed by [signature] 3-10 Containers: Brass Sleeves ____ Glass Jars ____ Methanol Kits ____

Signature / Date

Matrix: Water Carrier name: Billy

Shipping container/cooler in good condition?	Yes X	No ___	Not Present ___
Custody seals intact on shipping container/cooler?	Yes ___	No ___	Not Present X
Custody seals intact on sample bottles?	Yes ___	No ___	Not Present X
Chain of custody present?	Yes X	No ___	
Chain of custody signed when relinquished and received?	Yes X	No ___	
Chain of custody agrees with sample labels?	Yes X	No ___	
Samples in proper container/bottle?	Yes X	No ___	
Sample containers intact?	Yes X	No ___	
All samples received within holding time?	Yes X	No ___	
Do different containers of the same sample vary in appearance?	Yes ___ (If yes, contact PM)	No X	
Water – VOA vials have zero headspace?	No VOA submitted ___	Yes X	No ___

Number of sample bottles: 16 Preserved: 15 + 1 TB Unpreserved: _____

Temperature of samples? 5.6 °C Blue Ice ___ Wet Ice X Not Present ___

Water – pH acceptable upon receipt? Yes ___ No ___ Not applicable X

pH: Metals ____ 413.1 ____ Total Phenols ____
Cyanide ____ 418.1 ____
Nutrients ____ Sulfide ____

Adjusted? ____ Results? _____

Any No response must be detailed in the comments section below:

Person/Client contacted: _____ Date contacted: _____ Contacted by: _____

Comments: _____

Corrective Action: _____

CHAIN-OF-CUSTODY

TRANSWEST GEOCHEM

Vic Nielson
3725 E. Atlanta Avenue
Suite 2
Phoenix, AZ 85040-2960
TEL: (602) 437-0330
FAX: (602) 437-0660

Subcontractor:
Precision Analytical Laboratories, Inc.
1725 West 17th St.
Tempe, AZ 85281
TEL: (480) 967-1310
FAX: (480) 967-1019

0-303-0436

Work Order: 0303092

Project: Cardon Van Buren 2167

10-Mar-03

	Client Sample ID	TGI ID	Matrix	Collection Date	Containers	Requested Tests: 8260AZ_W
01	MW-1	01A	Water	3/6/2003 10:45:00 AM	3	1
02	MW-2	02A	Water	3/6/2003 11:55:00 AM	3	1
03	MW-3	03A	Water	3/6/2003 1:20:00 PM	3	1
04	MW-4	04A	Water	3/6/2003 2:50:00 PM	3	1
05	MW-5	05A	Water	3/6/2003 3:50:00 PM	3	1
06	TB	06A	Trip Blank	3/6/2003 10:45:00 AM	1	1

No Historical Data for Waters.
MW-5 Soil Boring had VOC's @ Low Levels

Results & COC 3/20/03

Comments: After analysis, the samples do not need to be returned and can be disposed per your standard laboratory practices. Please provide a QC report, including Method Blank data.

Sample Receipt		
Temperature:	Ambient / Cold	Ice:
Received Intact: yes		Absent / Present
Custody Seals: no		Wet / Blue
Total No. of Containers:	16	5-6 °C.

		Date/Time
Relinquished by:	Billy Weatherall	3/10/03 1525
Relinquished by:		
Received by:	J. Mora Ditta	3.10.03 1525
Received by:		

TRANSWEST GEOCHEM
3725 East Atlanta Avenue, Suite 2
Phoenix, Arizona 85040
Phone: (602) 437-0330
Fax: (602) 437-0660

Chain of Custody

TGI Work Order No: CB03092

Date 03-06-03 Page 1 of 1

Project Manager:	Chaney Miller
Client Name:	Environmental Technology Inc.
Address:	2541 E. University
City, State ZIP:	Phoenix Az. 85034
Phone:	602-267-1900 Fax: 602-267-1973

Bill to:	Environmental Technology
Company:	Chaney Miller
Address:	2541 E. Uni
City, State ZIP:	Phx Az 85034
Phone:	602-267-1900 Fax: 602-267-1973

P.O. No.:	
Project Name:	Chandler Van Buren
Project Number:	2167

SAMPLE RECEIPT

Temperature: 3.3°	Ambient / Cold	Ice: Absent / Present
Received Intact:	Y	
Custody Seals:	N	Wet / Blue
Total No. of Containers:	16	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Lab ID	No. of Containers	TPH, (418.1 /418.1AZ)	TPH, 8015AZR.1	BTEX (8021B)	Volatile Organics GCMS (624/8260AZ)	SDWA Volatiles. (524.2)	Semi-Volatile Organics GCMS (625/8270)	Organochlorine Pesticides (608/8081)	PCB's, (8082)	PAH, EPA 8310	8 RCRA Metals	13 Priority Pollutant Metals	Comments
MW-1	H_2O	03-03	10:45	1	3				X								
MW-2			11:55	2	3				X								
MW-3			13:20	3	3				X								
MW-4			14:50	4	3				X								
MW-5			15:50	5	3				X								
TB				6	1				X								

Relinquished by: (Signature)	(Print Name)	Date/Time	Received by: (Signature)	(Print Name)	Date/Time
1 Jim Brain	Jim Brain	03/06/03 1700		Skip Harder	3/6/03 17:00
2					
3					

White copy to TGI, Yellow copy for final report, Pink copy to sampler

Revised : 8/29/00