

PSC 91

ANALYTICAL RESULTS

FOR

SIGNETICS

ENSECO-RMAL NO. 017075

SEPTEMBER 27, 1991



Reviewed by:

Debbie Fazio
Debbie Fazio

Introduction

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

- o Sample Description Information
- o Analytical Test Requests
- o Analytical Results
- o Quality Control Report

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
Signetics

Lab ID	Client ID	Matrix	Sampled		Received
			Date	Time	Date
017075-0001-SA	GROUND WATER/WELL #1	AQUEOUS	11 SEP 91	16:00	13 SEP 91
017075-0002-SA	GROUND WATER/WELL #2	AQUEOUS	11 SEP 91	12:05	13 SEP 91
017075-0003-SA	GROUND WATER/WELL #3	AQUEOUS	11 SEP 91	12:50	13 SEP 91
017075-0004-SA	GROUND WATER/WELL #4	AQUEOUS	11 SEP 91	10:35	13 SEP 91

ANALYTICAL TEST REQUESTS
for
Signetics

Lab ID: 017075	Group Code	Analysis Description	Custom Test?
0001 - 0004	A	Total Organic Carbon (TOC) Total Kjeldahl Nitrogen (TKN) Halogenated Volatile Organics	N N N

Analytical Results

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization data is the date when the project was defined by the client such that laboratory work could begin.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e. no correction is made for moisture content.

Enseco-RMAL is no longer routinely blank-correcting analytical data. Uncorrected analytical results are reported, along with associated blank results, for all organic and metals analyses. Analytical results and blank results are reported for conventional inorganic parameters as specified in the method. This policy is described in detail in the Enseco Incorporated Quality Assurance Program Plan for Environmental Chemical Monitoring, Revision 3.3, May, 1989.

The results from the Standard Enseco QA/QC Program, which generates data which are independent of matrix effects, is provided subsequently.

Halogenated Volatile Organics

Method 8010

Client Name: Signetics
 Client ID: GROUND WATER/WELL #1
 Lab ID: 017075-0001-SA
 Matrix: AQUEOUS
 Authorized: 13 SEP 91

Sampled: 11 SEP 91
 Prepared: NA

Received: 13 SEP 91
 Analyzed: 18 SEP 91

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	12	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0
Surrogate	Recovery		
Bromochloromethane	114	%	

ND = Not detected
 NA = Not applicable

Reported By: Stan Dunlavy

Approved By: Mike Hoffman

Halogenated Volatile Organics

Method 8010

Client Name: Signetics
 Client ID: GROUND WATER/WELL #2
 Lab ID: 017075-0002-SA
 Matrix: AQUEOUS
 Authorized: 13 SEP 91
 Sampled: 11 SEP 91
 Prepared: NA
 Received: 13 SEP 91
 Analyzed: 20 SEP 91

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	11	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0

Surrogate	Recovery	
Bromochloromethane	98	%

ND = Not detected
 NA = Not applicable

Reported By: Bret Collins

Approved By: Mike Hoffman

Halogenated Volatile Organics



Method 8010

Client Name: Signetics
 Client ID: GROUND WATER/WELL #3
 Lab ID: 017075-0003-SA
 Matrix: AQUEOUS
 Authorized: 13 SEP 91

Sampled: 11 SEP 91
 Prepared: NA

Received: 13 SEP 91
 Analyzed: 20 SEP 91

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0
Surrogate	Recovery		
Bromochloromethane	114	%	

ND = Not detected
 NA = Not applicable

Reported By: Bret Collins

Approved By: Mike Hoffman

Halogenated Volatile Organics



Method 8010

Client Name: Signetics
 Client ID: GROUND WATER/WELL #4
 Lab ID: 017075-0004-SA
 Matrix: AQUEOUS
 Authorized: 13 SEP 91
 Sampled: 11 SEP 91
 Prepared: NA
 Received: 13 SEP 91
 Analyzed: 20 SEP 91

Parameter	Result	Units	Reporting Limit
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	7.0	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0
Surrogate	Recovery		
Bromochloromethane	111	%	

ND = Not detected
 NA = Not applicable

Reported By: Bret Collins

Approved By: Mike Hoffman

General Inorganics

Client Name: Signetics
Client ID: GROUND WATER/WELL #1
Lab ID: 017075-0001-SA
Matrix: AQUEOUS
Authorized: 13 SEP 91

Sampled: 11 SEP 91
Prepared: See Below

Received: 13 SEP 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Kjeldahl Nitrogen as N	ND	mg/L	0.50	351.2	NA	18 SEP 91
Total Organic Carbon	0.68	mg/L	0.50	9060	NA	17 SEP 91

ND = Not detected
NA = Not applicable

Reported By: Blake Besser

Approved By: Dan Appelhans

General Inorganics



Client Name: Signetics
Client ID: GROUND WATER/WELL #2
Lab ID: 017075-0002-SA
Matrix: AQUEOUS
Authorized: 13 SEP 91

Sampled: 11 SEP 91
Prepared: See Below

Received: 13 SEP 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Kjeldahl Nitrogen as N	ND	mg/L	0.50	351.2	NA	18 SEP 91
Total Organic Carbon	0.93	mg/L	0.50	9060	NA	17 SEP 91

ND = Not detected
NA = Not applicable

Reported By: Blake Besser

Approved By: Dan Appelhans

General Inorganics

Client Name: Signetics
Client ID: GROUND WATER/WELL #3
Lab ID: 017075-0003-SA
Matrix: AQUEOUS
Authorized: 13 SEP 91

Sampled: 11 SEP 91
Prepared: See Below

Received: 13 SEP 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Kjeldahl Nitrogen as N	ND	mg/L	0.50	351.2	NA	18 SEP 91
Total Organic Carbon	ND	mg/L	0.50	9060	NA	17 SEP 91

ND = Not detected
NA = Not applicable

Reported By: Blake Besser

Approved By: Dan Appelhans

General Inorganics



Client Name: Signetics
Client ID: GROUND WATER/WELL #4
Lab ID: 017075-0004-SA
Matrix: AQUEOUS
Authorized: 13 SEP 91

Sampled: 11 SEP 91
Prepared: See Below

Received: 13 SEP 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Kjeldahl Nitrogen as N	ND	mg/L	0.50	351.2	NA	18 SEP 91
Total Organic Carbon	0.91	mg/L	0.50	9060	NA	17 SEP 91

ND = Not detected
NA = Not applicable

Reported By: Blake Besser

Approved By: Dan Appelhans

Quality Control Results

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

In addition, the Enseco laboratories maintain a comprehensive set of certifications from both state and federal governmental agencies which require frequent analyses of blind audit samples. Enseco - Rocky Mountain Analytical Laboratory is certified by the EPA under the EPA/CLP program for both Organic and Inorganic analyses, under the USATHAMA (U.S. Army) program, by the Army Corps of Engineers, and the states of Colorado, New Jersey, New York, Utah, and Florida, among others.

The standard laboratory QC package is designed to:

- 1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data
- 2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix
- 3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and
- 4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with either representative target compounds or surrogate compounds appropriate to the method being used. An SCS is prepared for each sample lot for which the DCS pair are not analyzed.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{|\text{Measured Concentration DCS1} - \text{Measured Concentration DCS2}|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
Organics by Chromatography

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
017075-0001-SA	AQUEOUS	601-A	11 SEP 91-J	18 SEP 91-J
017075-0002-SA	AQUEOUS	601-A	19 SEP 91-J	20 SEP 91-J
017075-0003-SA	AQUEOUS	601-A	19 SEP 91-J	20 SEP 91-J
017075-0004-SA	AQUEOUS	601-A	19 SEP 91-J	20 SEP 91-J

DUPLICATE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration Spiked	Concentration Measured		AVG	Accuracy Average (%)		Precision (RPD)		
		DCS1	DCS2		DCS	Limits	DCS	Limit	
Category: 601-A									
Matrix: AQUEOUS									
QC Lot: 11 SEP 91-J									
Concentration Units: ug/L									
1,1-Dichloroethane	5.0	5.33	5.21	5.27	105	80-130	2.3	20	
Chloroform	5.0	5.50	5.43	5.46	109	80-120	1.3	20	
Bromodichloromethane	10	8.80	8.93	8.86	89	80-120	1.5	20	
Trichloroethene	5.0	4.63	4.62	4.62	93	70-120	0.2	20	
Chlorobenzene	5.0	5.80	5.59	5.70	114	80-120	3.7	20	

Category: 601-A
Matrix: AQUEOUS
QC Lot: 19 SEP 91-J
Concentration Units: ug/L

1,1-Dichloroethane	5.0	4.58	4.54	4.56	91	80-130	0.9	20
Chloroform	5.0	5.41	5.64	5.52	111	80-120	4.2	20
Bromodichloromethane	10	8.93	8.94	8.94	89	80-120	0.1	20
Trichloroethene	5.0	4.46	4.47	4.46	89	70-120	0.2	20
Chlorobenzene	5.0	4.46	4.34	4.40	88	80-120	2.7	20

Calculations are performed before rounding to avoid round-off errors in calculated results.

SINGLE CONTROL SAMPLE REPORT
Organics by Chromatography

Analyte	Concentration		Accuracy(%)	
	Spiked	Measured	SCS	Limits

Category: 601-A
Matrix: AQUEOUS
QC Lot: 11 SEP 91-J QC Run: 18 SEP 91-J
Concentration Units: ug/L

Bromochloromethane	5.00	6.30	126	20-160
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Category: 601-A
Matrix: AQUEOUS
QC Lot: 19 SEP 91-J QC Run: 20 SEP 91-J
Concentration Units: ug/L

Bromochloromethane	5.00	5.26	105	20-160
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Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Organics by Chromatography

Analyte	Result	Units	Reporting Limit
Test: 601-A			
Matrix: AQUEOUS			
QC Lot: 11 SEP 91-J QC Run: 18 SEP 91-J			
Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0

Test: 601-A
 Matrix: AQUEOUS
 QC Lot: 19 SEP 91-J QC Run: 20 SEP 91-J

Chloromethane	ND	ug/L	5.0
Bromomethane	ND	ug/L	5.0
Vinyl chloride	ND	ug/L	1.0
Chloroethane	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	0.50
1,1-Dichloroethane	ND	ug/L	0.50
trans-1,2-Dichloroethene	ND	ug/L	0.50
Chloroform	ND	ug/L	0.50

METHOD BLANK REPORT
Organics by Chromatography (cont.)

Analyte	Result	Units	Reporting Limit
Test: 601-A			
Matrix: AQUEOUS			
QC Lot: 19 SEP 91-J QC Run: 20 SEP 91-J			
1,1,2 Trichloro-1,2,2-trifluoroethane	ND	ug/L	1.0
1,2-Dichloroethane	ND	ug/L	1.0
1,1,1-Trichloroethane	ND	ug/L	0.50
Carbon tetrachloride	ND	ug/L	0.50
Bromodichloromethane	ND	ug/L	1.0
1,2-Dichloropropane	ND	ug/L	1.0
trans-1,3-Dichloropropene	ND	ug/L	1.0
Trichloroethene	ND	ug/L	0.50
Dibromochloromethane	ND	ug/L	1.0
cis-1,3-Dichloropropene	ND	ug/L	2.0
1,1,2-Trichloroethane	ND	ug/L	1.0
EDB (1,2-Dibromoethane)	ND	ug/L	2.0
Bromoform	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0
Tetrachloroethene	ND	ug/L	0.50
Chlorobenzene	ND	ug/L	2.0

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
017075-0001-SA	AQUEOUS	TOC-A	17 SEP 91-A	-
017075-0001-SA	AQUEOUS	TKN-A	17 SEP 91-A	17 SEP 91-A
017075-0002-SA	AQUEOUS	TOC-A	17 SEP 91-A	-
017075-0002-SA	AQUEOUS	TKN-A	17 SEP 91-A	17 SEP 91-A
017075-0003-SA	AQUEOUS	TOC-A	17 SEP 91-A	-
017075-0003-SA	AQUEOUS	TKN-A	17 SEP 91-A	17 SEP 91-A
017075-0004-SA	AQUEOUS	TOC-A	17 SEP 91-A	-
017075-0004-SA	AQUEOUS	TKN-A	17 SEP 91-A	17 SEP 91-A

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Spiked	Concentration		AVG	Accuracy		Precision		
		DCS1	Measured DCS2		Average (%) DCS	Limits	(RPD) DCS Limit	DCS Limit	
Category: TOC-A Matrix: AQUEOUS QC Lot: 17 SEP 91-A Concentration Units: mg/L									
Total Organic Carbon	25	25.0	25.1	25.0	100	91-109	0.4	20	
Category: TKN-A Matrix: AQUEOUS QC Lot: 17 SEP 91-A Concentration Units: mg/L									
Total Kjeldahl Nitrogen as N	1.8	1.83	1.84	1.84	102	78-122	0.5	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Wet Chemistry Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: TKN-TEC-A Matrix: AQUEOUS QC Lot: 17 SEP 91-A QC Run: 17 SEP 91-A			
Total Kjeldahl Nitrogen as N	ND	mg/L	0.50