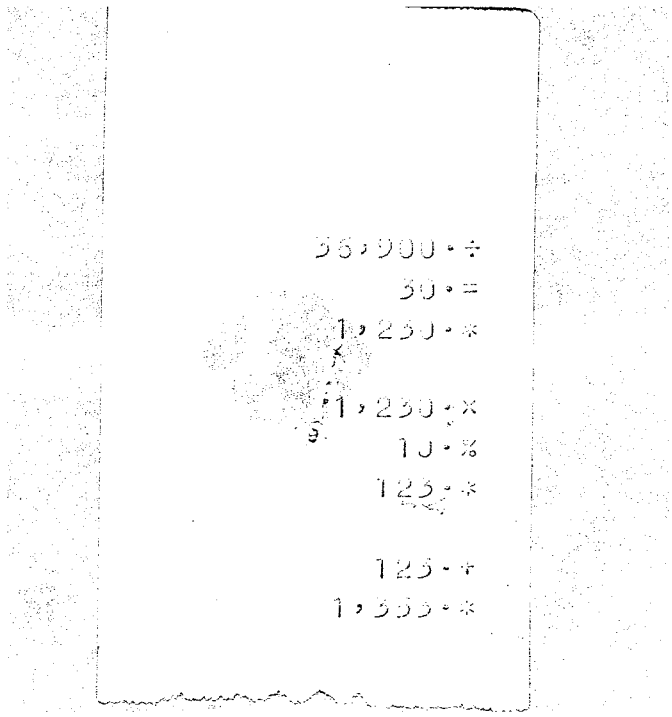
36,900 ÷
30 =
1,230 ×
1,230 ×
10 %
123 ×
123 +
1,353 ×

Aw 61e

PRETREATMENT MONITORING REPORT

RECEIVED DEC 12 2008 INDUSTRIAL DEPARTMENT

NAME: PSEG SERVICES CORPORATION, FORMER MARKET STREET GAS WORKS, AREA F

MAILING ADDRESS: 80 Park Plaza, T-17, NEWARK, NJ 07102

FACILITY LOCATION: 443-448 MARKET STREET NEWARK, NJ 07105

CATEGORY & SUBPART: N.A. OUTLET #: 1

CONTACT OFFICIAL: RAYMOND A. TRIPODI TELEPHONE: 973-430-8832

NEW CUSTOMER ID / OUTLET ID: 2063002-1 OLD OUTLET DESIGNATION:

MONITORING PERIOD

Start			End		
11	01	08	11	30	08
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day	N/A	100,000
Total Flow-gal/day	1230	1353

Method Used: Non-adjustable/non-resettable flow meter

Production Rate (if applicable)

PARAMETER	(13)	MASS OR CONCENTRATION			# OF	SAMPLE TYPE
		MON AVG	Daily Max	UNITS	SAMPLES	COMP/GRAB
BIOCHEMICAL OX	Sample Measurement	<5.0		Mg/l	1	Comp
	Permit Requirement	*		Mg/l		
Cd	Sample Measurement	<0.0004		Mg/l	1	Comp
	Permit Requirement	0.19		Mg/l		
Cu	Sample Measurement	<0.0037		Mg/l	1	Comp
	Permit Requirement	3.02		Mg/l		
Pb	Sample Measurement	<0.0027		Mg/l	1	Comp
	Permit Requirement	0.54		Mg/l		
Hg	Sample Measurement	<0.0001		Mg/l	1	Comp
	Permit Requirement	0.08		Mg/l		
Ni	Sample Measurement	0.026		Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
Zn	Sample Measurement	0.122		Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
PETROL. HYDR. (SGT-HEM)	Sample Measurement		<0.52	Mg/l	1	Grab
	Permit Requirement		100	Mg/l		
Total VOC	Sample Measurement		<0.0066	Mg/l	1	Grab
	Permit Requirement		*	Mg/l		

JAN 2009 1st Input Industrial Dept

TF

JAN 2009 2nd Input Industrial Dept.

* - No discharge limits stated in the permit; Parameter is monitored and reported monthly.
Non-detect – Parameters not detected at the laboratory method detection limit

PVSC FORM MR-I RE V: 4 6/87 P I

PRETREATMENT MONITORING REPORT

DEC 12 2008

Certification of Non-Use if applicable (use additional sheets): Not applicable

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every parameter used: All samples meet the compliance for the parameters listed in the permit (permit #20063002). The next monitoring report will be submitted by January 15, 2009

Explain Method for preserving samples: Samples were securely closed, labeled, and placed on ice. Samples were kept chilled and sent to the laboratory on the day of sampling.

Sampling preservation: VOC (HCl), Metals (HNO3), TPH (none), BOD (none)

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

Angelena Edwards

Signature of Principal

Executive or Authorized Agent

Angelena Edwards
Project Manager (Acting)

Type Name and Title

December 11, 2008

Date

PVSC FORM MR-I REV: 5 3/91 P2

Nov 26, 2008

Creamer Environmental, Inc.
215 Union Street
Hackensack, NJ 07601

Attention: Ms. Jenna Marroni

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
777 New Durham Road
Edison, NJ 08817
Tel 732 549 3900
Fax 732 549 3679
www.testamericainc.com
Federal ID #:23-29199996

Laboratory Results
Job No. B917 - Newark PVSC

Dear Ms. Marroni:

Enclosed are the results you requested for the following sample(s) received at our laboratory on November 13, 2008.

Lab No.	Client ID	Analysis Required
966452	20630002-1Grab	TTO VOA
		1664 SGT HEM PITT
966453	20630002-1Composite	Cd,Cu,Hg,Ni,Pb,Zn
		BOD

This report is not to be reproduced, except in full, without the written approval of the laboratory.

TestAmerica Edison has following Laboratory Certifications: New Jersey(12028), New York(11452), Pennsylvania(68-00522), Connecticut(PH-0200), Rhode Island(LAO00132)

An invoice for our services is also enclosed. If you have any questions, please contact me at (732) 549-3900.

Very Truly Yours,

Alison E. Sedlak

Alison Sedlak
Project Manager

12/9/2008

Creamer Environmental Inc.
Water Meter Log for
PSEG SC Former Market Street MGP Site

Date	Prior Meter Reading	Current Meter Reading	Difference	Progress Totals	Comments
9/23/2008		00000314			initial meter reading
9/26/2008	00000314	00020300	19,986	19,986	TestAmerica Sampled 9/25-9/26
9/29/2008	00020300	00034300	14,000	33,986	
9/30/2008	00034300	00040700	6,400	40,386	
10/2/2008	00040700	00049800	9,100	49,486	TestAmerica Sampled 10/2-10/3
10/6/2008	00049800	00059700	9,900	59,386	
10/7/2008	00059700	00073700	14,000	73,386	
10/9/2008	00073700	00074500	800	74,186	
10/10/2008	00074500	00079400	4,900	79,086	
10/13/2008	00079400	00087100	7,700	86,786	
10/14/2008	00087100	00087700	600	87,386	
10/15/2008	00087700	00089500	1,800	89,186	
10/23/2008	00089500	00095000	5,500	94,686	
10/27/2008	00095000	00095500	500	95,186	
10/29/2008	00095500	00111400	15,900	111,086	
11/5/2008	00111400	00120600	9,200	120,286	
11/6/2008	00120600	00126400	5,800	126,086	
11/7/2008	00126400	00131900	5,500	131,586	Frac Tank Swap Out and Prep
11/13/2008	00131900	00138100	6,200	137,786	TestAmerica Sampled 11/12-11/13
11/24/2008	00138100	00148300	10,200	147,986	Last day of discharge for November 2008

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Analytical Results Summary

Client ID: **Grab**
Site: Newark PVSC

Lab Sample No: **966452**
Lab Job No: B917

Date Sampled: 11/13/08
Date Received: 11/13/08
Date Analyzed: 11/19/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31922.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Methyl Chloride	ND	0.4
Methyl Bromide	ND	0.4
Vinyl Chloride	ND	0.2
Chloroethane	ND	0.4
Methylene Chloride	ND	0.4
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.4
Carbon Tetrachloride	ND	0.3
Dichlorobromomethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Chlorodibromomethane	ND	0.3
1,1,2-Trichloroethane	ND	0.2
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.2
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.4
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Acrolein	ND	6.6
Acrylonitrile	ND	3.1

Client ID: **Composite**
Site: **Newark PVSC**

Lab Sample No: 966453
Lab Job No: B917

Date Sampled: 11/13/08
Date Received: 11/13/08

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Cadmium	ND	0.40		P
Copper	ND	3.7		P
Lead	ND	2.7		P
Mercury	ND	0.10		CV
Nickel	26.0	2.4	B	P
Zinc	122	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

B917

TestAmerica Edison

TestAmerica Edison Field Services

TestAmerica
777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Ms. Tracy Straka	Samplers Name (Printed) to Cowdoy	Site/Project Identification Newark PVSC
Company Creamer Environmental, Inc.	P.O. #	State (Location of site): NJ: X NY: Other:
Address 215 Union Street	Analysis Turnaround Time: Standard X	Regulatory Program:
City Hackensack State NJ	Rush Charges Authorized For: 2 Week 1 Week Other X 5 DAY	LAB USE ONLY Project No: 933822
Phone 201-988-4800 Fax		Job No: B917

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	O&G SGT-HEM 1664	TTO VO 624	BOD	METALS	Sample Numbers
20630002-1 Grab	11/12/09	1000	AQ	5	X	X			966452
20630002-1 Composite	11/12/09	0930	AQ	2			X	X	453
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____				Soil:					
				Water:	1,2	1,2	1	1,4	

Special Instructions: cooler temp. — 4° c #98

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	TES America	11/13/09 1525	1) [signature]	
2) Jenna Marianni	CEI	11/13/09 1525	2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). Massachusetts (M-NJ312), North Carolina (No. 578)

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
TestAmerica Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: B917 **Site:** Newark PVSC

Client: Creamer Environmental, Inc.

VOAMS

WATER - 624

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
966452	11/13/2008	11/13/2008			11/19/2008	Del Polito, Vita	1291

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
TestAmerica Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: B917
Client: Creamer Environmental, Inc.
Sample No.: 966453

Site: Newark PVSC
Date Sampled: 11/13/2008
Date Received: 11/13/2008
Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	11/17/2008	Sanagavarapu, Suguna	11/17/2008	Sanagavarapu, Suguna	25495
CADMIUM	11/17/2008	Yang, Qin	11/17/2008	Chang, Churnder	25495
COPPER	11/17/2008	Yang, Qin	11/17/2008	Chang, Churnder	25495
LEAD	11/17/2008	Yang, Qin	11/17/2008	Chang, Churnder	25495
NICKEL	11/17/2008	Yang, Qin	11/17/2008	Chang, Churnder	25495
ZINC	11/17/2008	Yang, Qin	11/17/2008	Chang, Churnder	25495

Methodology Review

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2 Rev 4.1. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides,PCBs & Herbicides:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for Organochlorine Pesticides and Method 8082 for PCBs. Organochlorine Herbicides are analyzed using SW846 Method 8151A.

Total Petroleum Hydrocarbons:

Unless otherwise specified, water and solid samples are analyzed for Total Petroleum Hydrocarbons using NJDEP Method OQA-QAM-025, "Quantitation of Semi-Volatile Petroleum Products in Water, Soil, Sediment and Sludge".

Diesel Range Organics (DRO) and Gasoline Range Organics (GRO):

Soil and water samples are analyzed for DRO and GRO as the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8015B (Non-Halogenated Organics Using GC/FID).

Metals Analysis:

Metals analyses are performed by any of three techniques specified by a Method Code provided on each data report page, as follows:

MS - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)- Mass Spectrometry (MS)

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020) and "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition), as appropriate. Solid samples are prepared and analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition).

Specific method references for ICP analyses are:

Water Matrix - EPA 200.7/SW846 6010B
Solid Matrix - SW846 6010B

The method reference for ICP-MS analysis is:

Non-Potable Water Matrix - EPA 200.8

Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1/7470A and solid Method 7471A.

Cyanide:

Drinking water and wastewater samples are analyzed for cyanide using EPA Method 335. Cyanide is determined in solid samples using SW846 Method 9012A/9012B.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.1. Total phenols are determined in water by use of SW846 Methods 9065+9066, as appropriate.

Hexavalent Chromium

Water samples are analyzed for hexavalent chromium using SW846 Method 7196A, SW846 Method 7199 or USGS Method I-1232-85. Hexavalent chromium in solid samples is determined using the SW846 Method 3060A preparation followed by analysis via SW846 Method 7196A or 7199.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	Method 1030
Corrosivity	Water pH Method 9040B Soil pH Method 9045C
Toxicity Characteristic Leaching Procedure	Method 1311
Synthetic Precipitation Leaching Procedure	Method 1312

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 18th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

Data Reporting Qualifiers

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

(continued)

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

MS - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)-Mass Spectrometry (MS).

Non-Conformance Summary

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nonconformance Summary

TestAmerica Edison Job # : B917

Client: Creamer Environmental, Inc.

Date: 11/25/2008

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

All data conforms with method requirements.

Metals:

All data conforms with method requirements.

Wet Chemistry:

All data conforms with method requirements.

Sub Work:

See Sublab Case Narrative.

I certify that the test results contained in this data package meet all requirements of NELAC both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this package has been authorized by the Laboratory Director or their designee, as verified by the following signature.

Alison E. Sedlak

Alison Sedlak
Project Manager

GC/MS Forms and Data (Volatiles)

Results Summary and Chromatograms

Client ID: **Grab**
Site: Newark PVSC

Lab Sample No: **966452**
Lab Job No: B917

Date Sampled: 11/13/08
Date Received: 11/13/08
Date Analyzed: 11/19/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31922.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Methyl Chloride	ND	0.4
Methyl Bromide	ND	0.4
Vinyl Chloride	ND	0.2
Chloroethane	ND	0.4
Methylene Chloride	ND	0.4
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
1,1,1-Trichloroethane	ND	0.4
Carbon Tetrachloride	ND	0.3
Dichlorobromomethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Chlorodibromomethane	ND	0.3
1,1,2-Trichloroethane	ND	0.2
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.2
Bromoform	ND	0.2
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.4
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4
Acrolein	ND	6.6
Acrylonitrile	ND	3.1

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31922.d
Report Date: 21-Nov-2008 14:14

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31922.d
Lab Smp Id: 966452 Client Smp ID: Grab
Inj Date : 19-NOV-2008 06:06
Operator : Inst ID: VOAMS3.i
Smp Info : 966452
Misc Info : B917;1291;;VDP
Comment :
Method : /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/624_08.m
Meth Date : 21-Nov-2008 11:26 pritch Quant Type: ISTD
Cal Date : 07-NOV-2008 23:17 Cal File: c31660.d
Als bottle: 52
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TTO.sub
Target Version: 3.50

MM 11/21/08

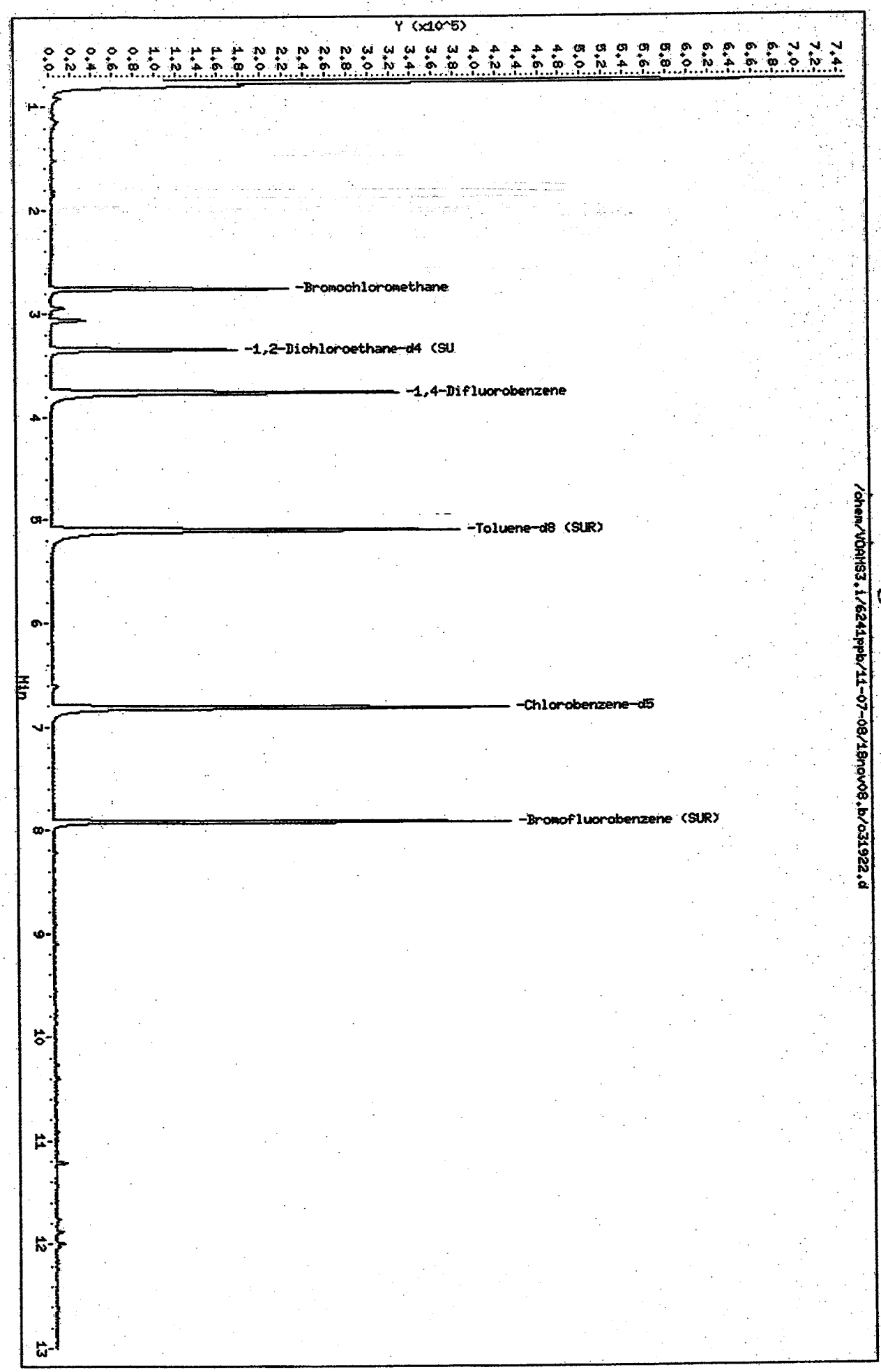
Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.753	2.753	(1.000)	46933	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	3.343	3.343	(0.889)	14807	28.3741	28
* 19 1,4-Difluorobenzene	114	3.762	3.758	(1.000)	302450	30.0000	
$ 37 Toluene-d8 (SUR)	98	5.096	5.096	(0.748)	305832	30.0752	30
* 32 Chlorobenzene-d5	117	6.815	6.811	(1.000)	262190	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.918	7.918	(1.162)	104195	30.2617	30

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/o31922.d
Date : 19-NOV-2008 06:06
Client ID: Grab
Sample Info: 966482
Purge Volume: 5.0
Column phase: Rtx-VMS



/chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/o31922.d

MB 11/21/08

Instrument: VOAMS3.i
Operator:
Column diameter: 0.18

Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: C31651 BFB Injection Date: 11/07/08

Instrument ID: VOAMS3 BFB Injection Time: 1952

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	46.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.4 (0.4)1
174	50.0 - 100.0% of mass 95	84.7
175	5.0 - 9.0% of mass 174	6.6 (7.8)1
176	95.0 - 101.0% of mass 174	81.8 (96.5)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CASTD001	CASTD001	C31654	11/07/08	2103
02	CASTD005	CASTD005	C31656	11/07/08	2148
03	CASTD020	CASTD020	C31657	11/07/08	2210
04	CASTD050	CASTD050	C31658	11/07/08	2232
05	CASTD200	CASTD200	C31659	11/07/08	2254
06	CASTD500	CASTD500	C31660	11/07/08	2317
07					
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19					
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21					
22					

page 1 of 1

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/07nov08.b/c31651.d

Date : 07-NOV-2008 19:52

Client ID:

Instrument: VOAMS3.i

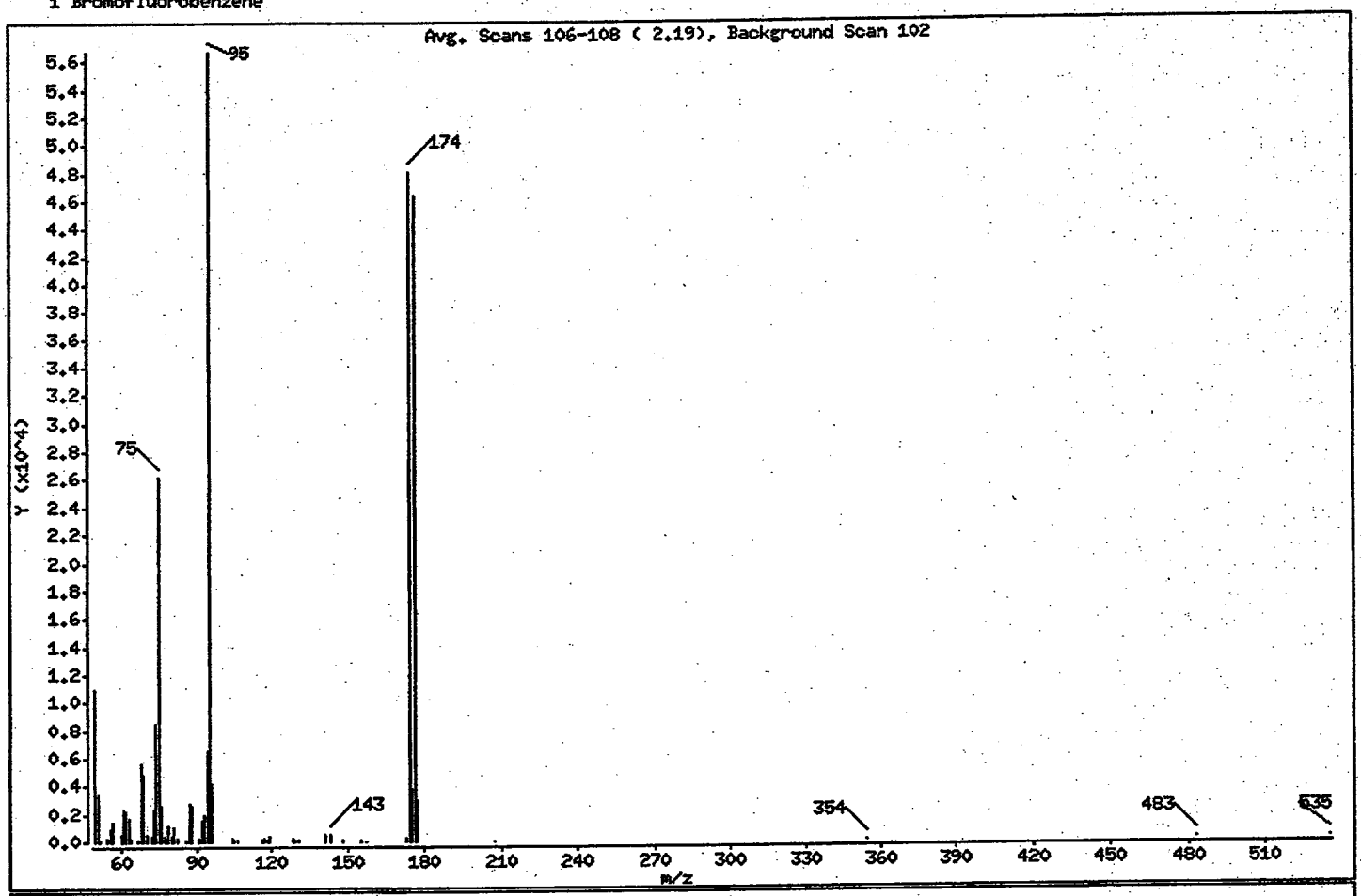
Sample Info: CABFB312

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.27
75	30.00 - 60.00% of mass 95	46.20
96	5.00 - 9.00% of mass 95	7.27
173	Less than 2.00% of mass 174	0.37 (0.44)
174	50.00 - 100.00% of mass 95	84.72
175	5.00 - 9.00% of mass 174	6.59 (7.78)
176	95.00 - 101.00% of mass 174	81.80 (96.55)
177	5.00 - 9.00% of mass 176	5.18 (6.33)

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/07nov08.b/c31651.d

Date : 07-NOV-2008 19:52

Client ID:

Instrument: VOAMS3.i

Sample Info: CABFB312

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: c31651.d

Spectrum: Avg. Scans 106-108 (2.19), Background Scan 102

Location of Maximum: 95.00

Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	10925	72.00	361	92.00	1573	141.00	472
51.00	3373	73.00	2315	93.00	1965	143.00	481
52.00	83	74.00	8481	94.00	6456	148.00	140
55.00	223	75.00	26184	95.00	56680	155.00	75
56.00	884	76.00	2598	96.00	4121	157.00	64
57.00	1460	77.00	383	104.00	226	173.00	210
60.00	536	78.00	250	105.00	116	174.00	48016
61.00	2299	79.00	1211	106.00	182	175.00	3736
62.00	2274	80.00	381	116.00	165	176.00	46360
63.00	1699	81.00	1053	117.00	279	177.00	2937
64.00	223	82.00	224	118.00	136	207.00	52
67.00	173	86.00	127	119.00	338	354.00	64
68.00	5567	87.00	2789	128.00	281	483.00	56
69.00	4843	88.00	2655	129.00	69	535.00	52
70.00	532	91.00	308	130.00	136		

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/07nov08.b/c31651.d

Date : 07-NOV-2008 19:52

Client ID:

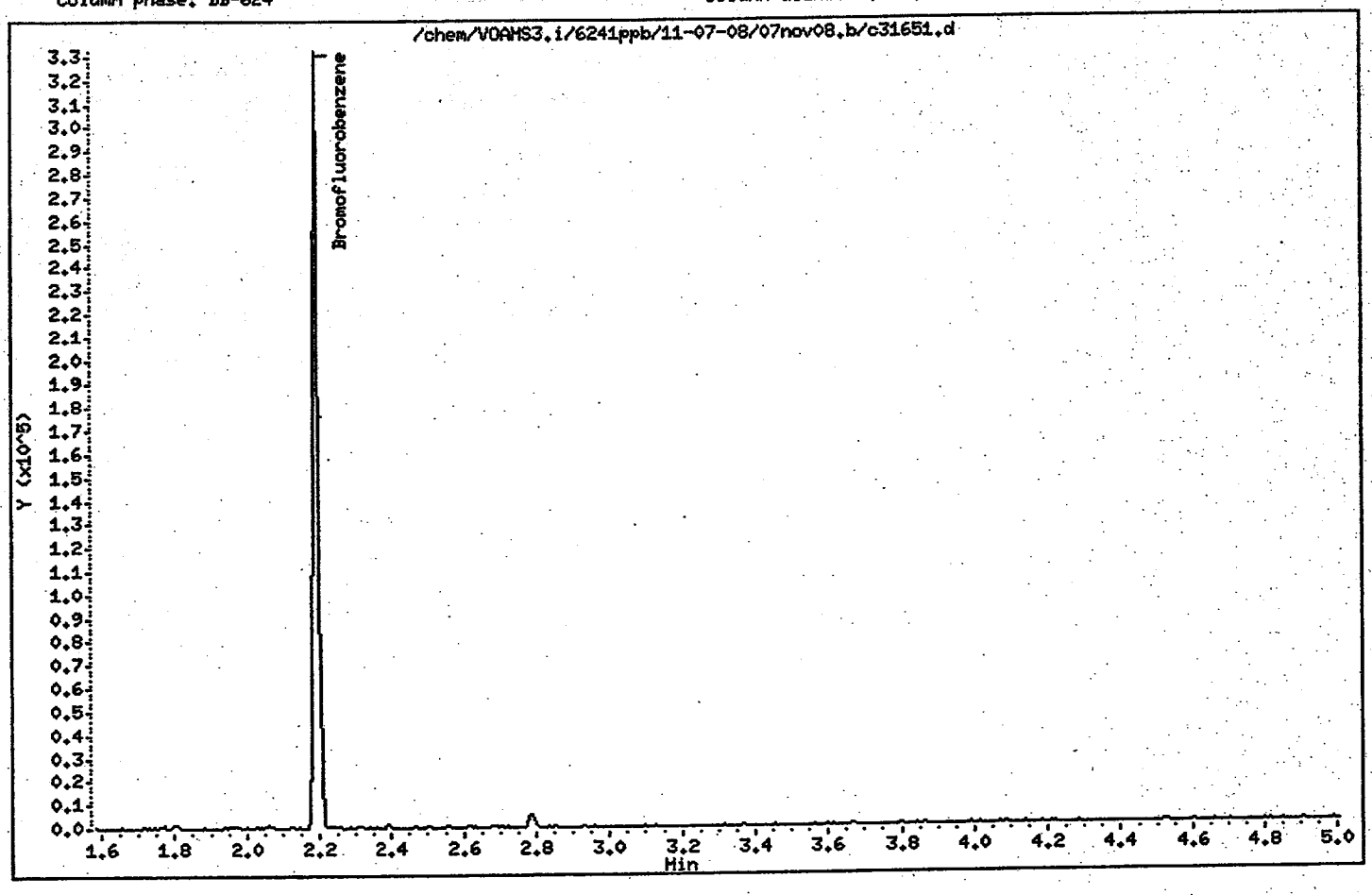
Instrument: VOAMS3.i

Sample Info: CABFB312

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: C31871

BFB Injection Date: 11/18/08

Instrument ID: VOAMS3

BFB Injection Time: 1053

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	45.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	93.4
175	5.0 - 9.0% of mass 174	7.0 (7.5)1
176	95.0 - 101.0% of mass 174	91.0 (97.5)1
177	5.0 - 9.0% of mass 176	8.0 (8.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT ID	LAB SAMPLE No.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CASTD323	CASTD323	C31872	11/18/08	1106
02	CV323B	CV323B	C31902	11/18/08	2244
03	GRAB	966452	C31922	11/19/08	0606
04					
05					
06					
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19					
20					
21					
22					

page 1 of 1

Data File: /chem/VOAHS3.i/6241ppb/11-07-08/18nov08.b/c31871.d

Date : 18-NOV-2008 10:53

Client ID:

Instrument: VOAHS3.i

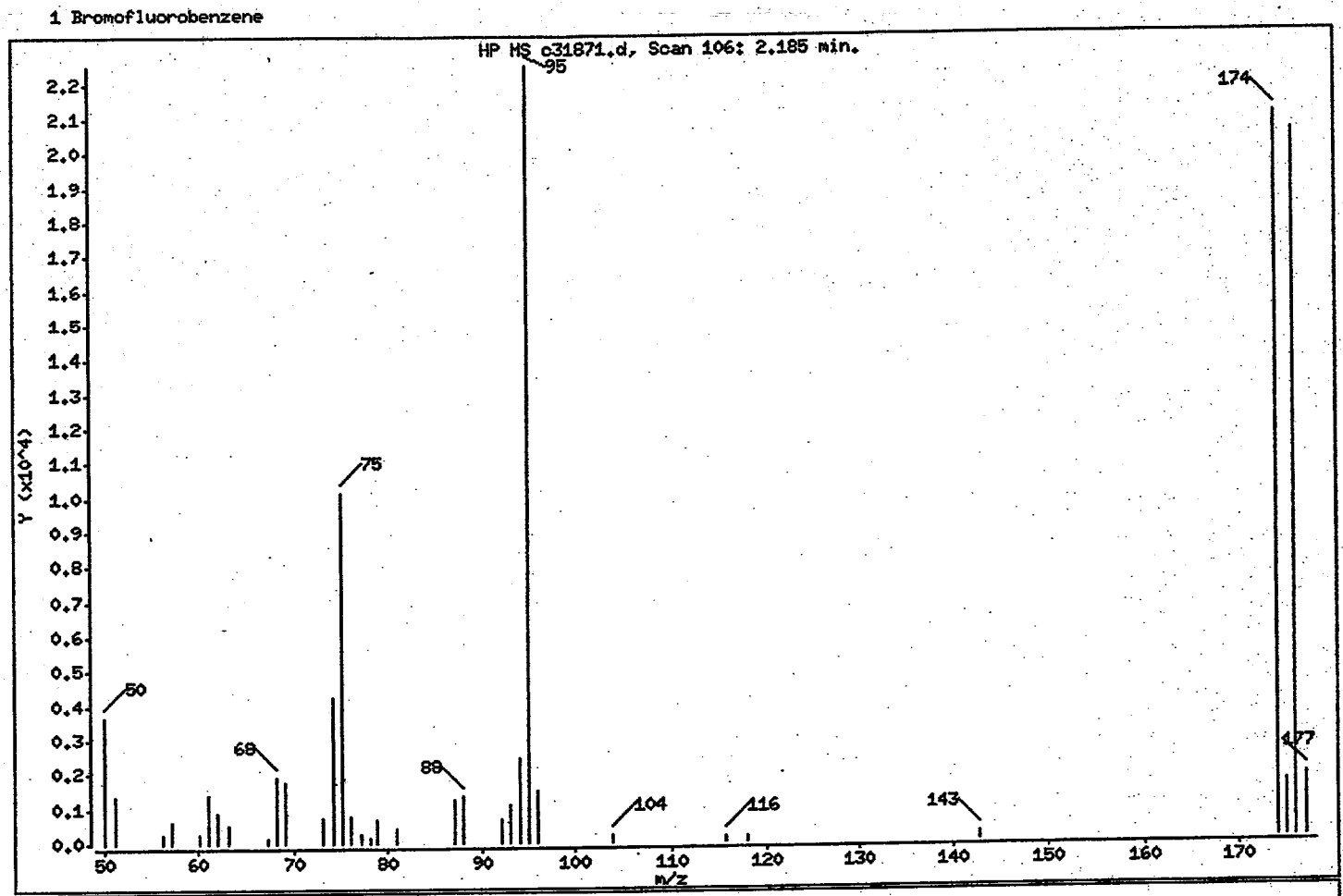
Sample Info: CABFB323

Operator: VOAHS 1

Column phase: DB-624

Column diameter: 0.53

1 Bromofluorobenzene



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.36
75	30.00 - 60.00% of mass 95	45.03
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	93.42
175	5.00 - 9.00% of mass 174	7.02 (7.52)
176	95.00 - 101.00% of mass 174	91.04 (97.45)
177	5.00 - 9.00% of mass 176	8.03 (8.81)

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31871.d

Date : 18-NOV-2008 10:53

Client ID:

Instrument: VOAMS3.i

Sample Info: CABFB323

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: c31871.d

Spectrum: HP MS c31871.d, Scan 106: 2.185 min.

Location of Maximum: 95.10

Number of points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.10	3681	68.10	1907	80.90	409	115.70	167
51.10	1334	69.10	1776	87.10	1223	117.90	153
56.20	280	73.00	716	88.10	1321	142.90	209
57.10	598	74.10	4255	92.10	662	174.00	21024
60.10	278	75.10	10134	93.10	1103	175.00	1580
61.10	1376	76.00	760	94.10	2449	176.00	20488
62.10	879	77.10	281	95.10	22504	177.00	1806
63.10	519	78.10	173	96.00	1477		
67.20	158	78.90	653	104.00	190		

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31871.d

Date : 18-NOV-2008 10:53

Client ID:

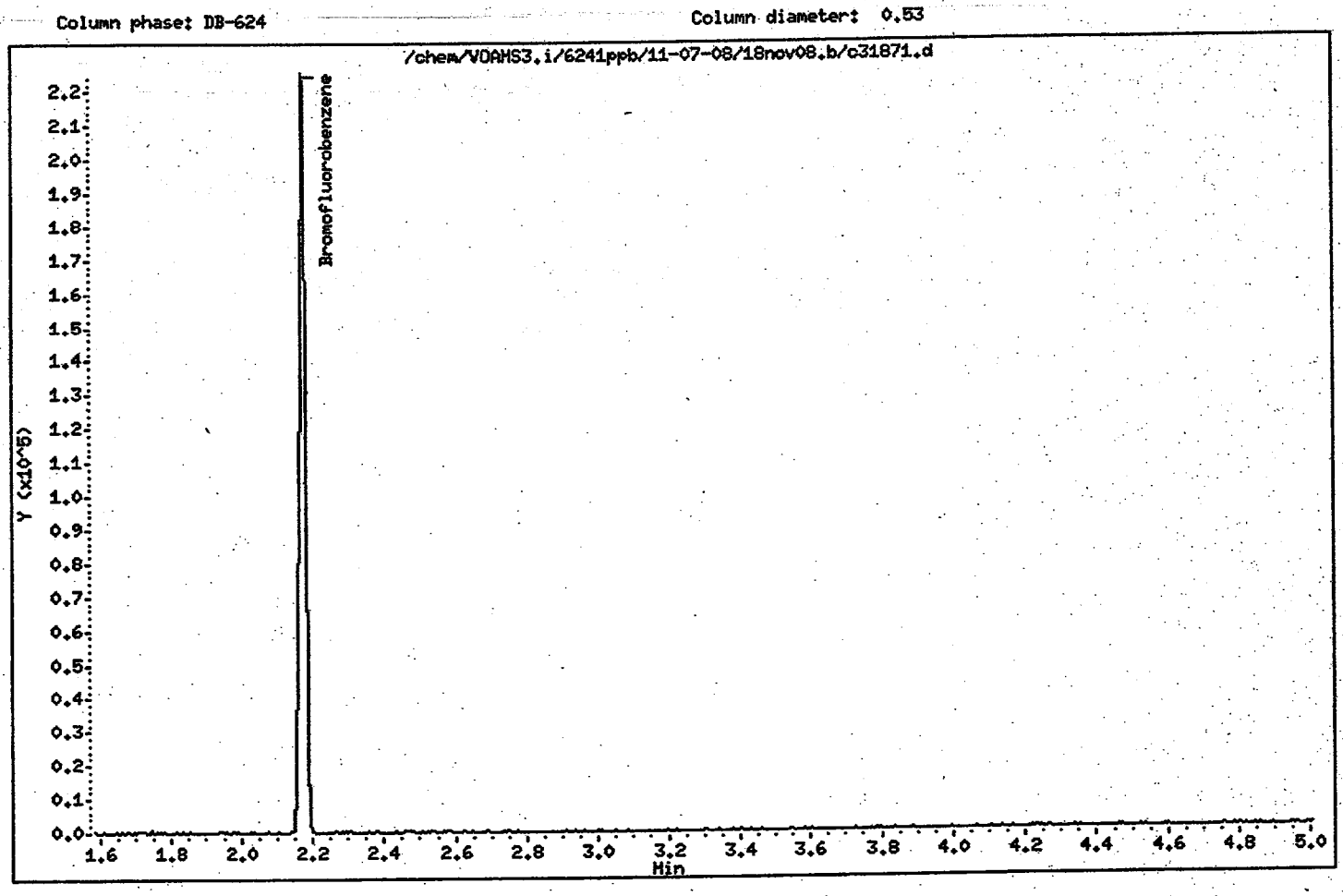
Instrument: VOAMS3.i

Sample Info: CABFB323

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

LAB SAMPLE NO.

CV323B

VOLATILE METHOD BLANK SUMMARY

Matrix: WATER

Date Analyzed: 11/18/08

Level: LOW

Time Analyzed: 2244

Lab File ID: C31902

Heated Purge (Y/N) N

Instrument ID: VOAMS3

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	GRAB	966452	C31922	0606
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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28				
29				
30				

COMMENTS:

page 1 of 1

Client ID: **CV323B**
Site:

Lab Sample No: **CV323B**
Lab Job No: B917

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/18/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31902.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.4
Bromomethane	ND	0.4
Vinyl Chloride	ND	0.2
Chloroethane	ND	0.4
Methylene Chloride	ND	0.4
Acetone	ND	1.5
Carbon Disulfide	ND	0.4
Trichlorofluoromethane	ND	0.4
1,1-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.3
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.3
2-Butanone	ND	1.3
1,1,1-Trichloroethane	ND	0.4
Carbon Tetrachloride	ND	0.3
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.3
1,1,2-Trichloroethane	ND	0.2
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.2
2-Chloroethyl Vinyl Ether	ND	0.2
Bromoform	ND	0.2
4-Methyl-2-Pentanone	ND	0.7
2-Hexanone	ND	0.7
Tetrachloroethene	ND	0.4
1,1,2,2-Tetrachloroethane	ND	0.4
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.4

Client ID: **CV323B**
Site:

Lab Sample No: **CV323B**
Lab Job No: B917

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/18/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31902.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.4
Xylene (Total)	ND	0.4
Ethyl Ether	ND	0.4
Acrolein	ND	6.6
Freon TF	ND	0.7
Isopropanol	ND	1000
Acetonitrile	ND	100
TBA	ND	6.5
Acrylonitrile	ND	3.1
MTBE	ND	0.3
Hexane	ND	0.4
DIPE	ND	0.3
Ethyl Acetate	ND	0.6
Vinyl Acetate	ND	0.4
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.6
Isobutanol	ND	1000
Isopropyl Acetate	ND	0.8
n-Heptane	ND	5.0
n-Butanol	ND	88
Propyl Acetate	ND	0.7
Butyl Acetate	ND	0.8
1,2-Dibromoethane	ND	0.4
1,3-Dichlorobenzene	ND	0.4
1,4-Dichlorobenzene	ND	0.4
1,2-Dichlorobenzene	ND	0.5
Naphthalene	ND	0.5
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.3
1,4-Dioxane	ND	76
n-Pentane	ND	0.8
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.5

Client ID: **CV323B**
Site:

Lab Sample No: **CV323B**
Lab Job No: B917

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/18/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31902.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	0.5
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.5
Methyl Methacrylate	ND	0.5
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	6.7
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	0.2
Isoprene	ND	0.6
1,1,1,2-Tetrachloroethane	ND	0.3
Camphene (total)	ND	5.0
Camphor	ND	25
1,3,5-Trimethylbenzene	ND	0.5
1,2,3-Trichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.6
sec-Butylbenzene	ND	0.5
tert-Butylbenzene	ND	0.6
p-Isopropyltoluene	ND	0.5
n-Propylbenzene	ND	0.6
m+p-Ethyltoluene	ND	5.0
o-Ethyltoluene	ND	5.0
Methyl Acetate	ND	0.7
Methyl cyclohexane	ND	0.8
1,2-Dibromo-3-chloropropane	ND	0.7
Cyclohexene	ND	5.0
1,2-Dichlorotrifluoroethane	ND	5.0
n-Propanol	ND	1000
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50
Ethanol	ND	1000
Chlorotrifluoroethane	ND	5.0
Dichlorofluoromethane	ND	5.0
Ethylene Oxide	ND	500
Methyl Formate	ND	500

Client ID: **CV323B**
Site:

Lab Sample No: **CV323B**
Lab Job No: B917

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/18/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31902.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Isobutyraldehyde	ND	5.0
Amyl Acetate	ND	0.4
1,2,3-Trichloropropane	ND	0.5
Chlorodifluoromethane	ND	5.0
1,3-Dichloropropane	ND	0.4
Dibromomethane	ND	0.3
1-Propene	ND	0.4
2-Chloropropane	ND	0.3
1-Chloropropane	ND	0.3
Hexachlorobutadiene	ND	5.0
2-Chlorotoluene	ND	0.3
4-Chlorotoluene	ND	0.4
1,1-Dichloropropene	ND	5.0
Bromobenzene	ND	0.4
2,2-Dichloropropane	ND	0.3

Client ID: **CV323B**
Site:

Lab Sample No: **CV323B**
Lab Job No: B917

Date Sampled: _____
Date Received: _____
Date Analyzed: 11/18/08
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c31902.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
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25.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31902.d
Report Date: 21-Nov-2008 14:13

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/c31902.d
Lab Smp Id: CV323B — Client Smp ID: CV323B
Inj Date : 18-NOV-2008 22:44
Operator : — Inst ID: VOAMS3.i
Smp Info : CV323B
Misc Info :
Comment :
Method : /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/624_08.m
Meth Date : 21-Nov-2008 11:26 pritch — Quant Type: ISTD
Cal Date : 07-NOV-2008 23:17 — Cal File: c31660.d
Als bottle: 32 — QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE — Compound Sublist: all.sub
Target Version: 3.50

VM 11/21/08

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vo	5.00000	Sample Volume

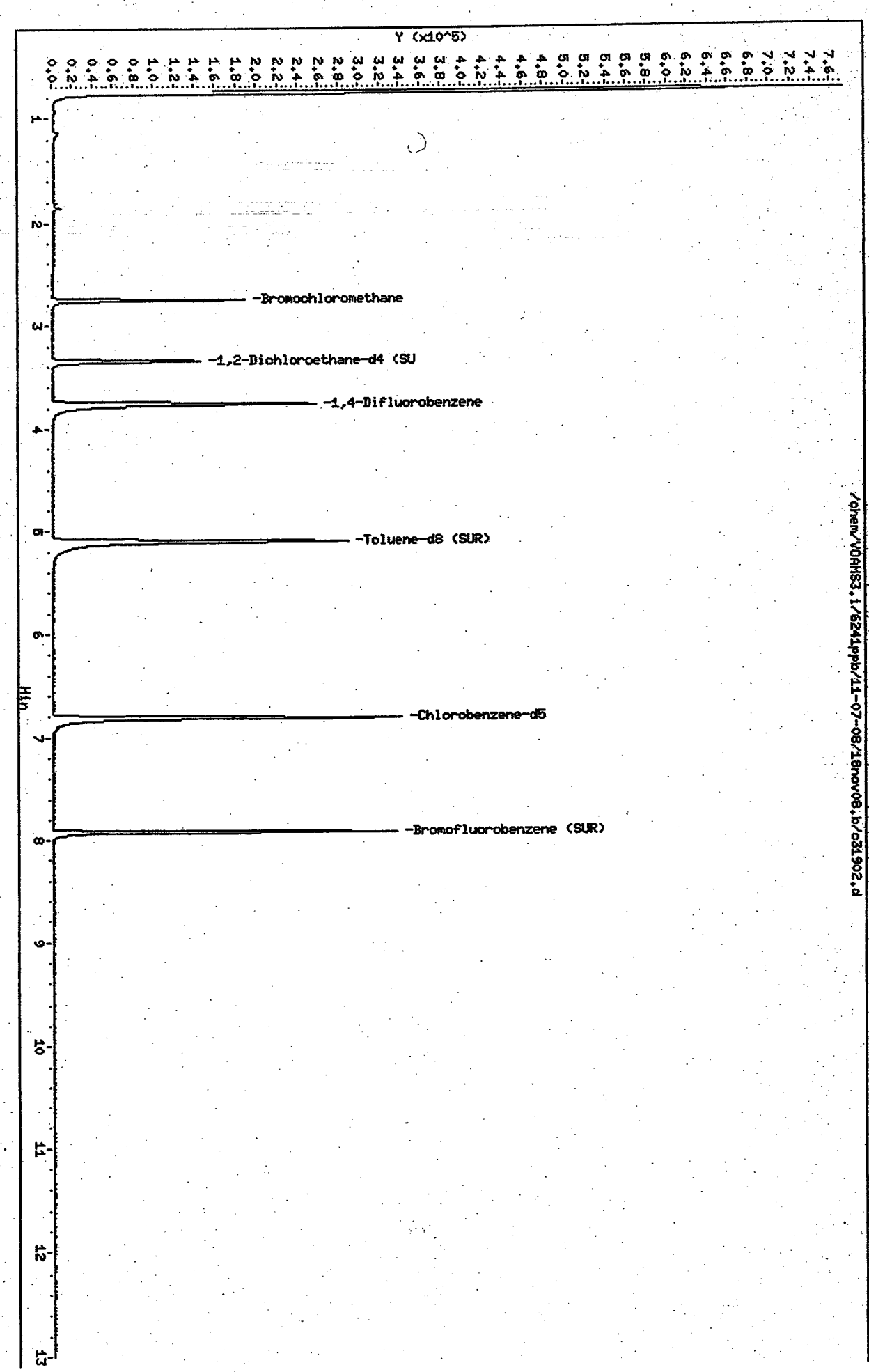
Cpnd Variable — Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 2 Bromochloromethane	128	2.753	2.753	(1.000)	37536	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	3.343	3.343	(0.889)	11181	27.6841	28
* 19 1,4-Difluorobenzene	114	3.762	3.758	(1.000)	234077	30.0000	
$ 37 Toluene-d8 (SUR)	98	5.096	5.096	(0.748)	237539	29.8722	30
* 32 Chlorobenzene-d5	117	6.815	6.811	(1.000)	205026	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.918	7.918	(1.162)	79345	29.4696	29

Data File: /chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/o31902.d
Date : 18-NOV-2008 22:44
Client ID: CV323B
Sample Info: CV323B
Purge Volume: 5.0
Column phase: Rtx-VMS

Instrument: VOAMS3.i
Operator:
Column diameter: 0.18

/chem/VOAMS3.i/6241ppb/11-07-08/18nov08.b/o31902.d



Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

LAB FILE ID: RRF1: C31654 RRF5: C31656 RRF20: C31657
RRF50: C31658 RRF200: C31659

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Chloromethane	3.094	3.155	2.650	2.932	3.089
Bromomethane	1.302	1.159	1.029	1.286	1.462
Vinyl Chloride	2.134	2.724	2.321	2.592	2.762
Chloroethane	1.652	1.524	1.252	1.134	0.978
Methylene Chloride	3.693	2.472	2.336	2.291	2.289
Acetone	0.386	0.315	0.309	0.250	0.228
Carbon Disulfide	4.068	4.158	4.064	4.661	4.958
Trichlorofluoromethane	2.173	2.927	2.588	2.938	2.952
1,1-Dichloroethene	1.961	2.043	2.002	2.015	2.141
1,1-Dichloroethane	4.002	4.093	3.995	3.971	4.081
trans-1,2-Dichloroethene	2.446	2.244	2.168	2.263	2.364
cis-1,2-Dichloroethene	2.384	2.387	2.375	2.396	2.484
Chloroform	3.764	3.724	3.660	3.716	3.784
1,2-Dichloroethane	0.415	0.404	0.407	0.417	0.442
2-Butanone	0.299	0.321	0.359	0.376	0.401
1,1,1-Trichloroethane	2.414	2.831	2.933	2.992	3.142
Carbon Tetrachloride	1.383	1.876	2.084	2.087	2.395
Bromodichloromethane	0.247	0.234	0.233	0.231	0.247
1,2-Dichloropropane	0.369	0.374	0.345	0.354	0.382
cis-1,3-Dichloropropene	0.455	0.466	0.476	0.487	0.548
Trichloroethene	0.274	0.316	0.295	0.317	0.351
Dibromochloromethane	0.212	0.226	0.240	0.273	0.323
1,1,2-Trichloroethane	0.260	0.250	0.245	0.244	0.260
Benzene	1.418	1.462	1.356	1.384	1.484
trans-1,3-Dichloropropene	0.430	0.434	0.429	0.452	0.503
2-Chloroethyl Vinyl Ether	0.090	0.096	0.102	0.111	0.108
Bromoform	0.112	0.129	0.150	0.178	0.228
4-Methyl-2-Pentanone	0.346	0.343	0.324	0.357	0.390
2-Hexanone	0.310	0.300	0.300	0.314	0.309
Tetrachloroethene	0.333	0.345	0.349	0.359	0.404
1,1,2,2-Tetrachloroethane	0.403	0.372	0.378	0.378	0.402
Toluene	1.483	1.593	1.467	1.470	1.587
Chlorobenzene	0.921	0.960	0.907	0.935	1.011
Ethylbenzene	0.440	0.508	0.488	0.508	0.567
Styrene	0.811	0.873	0.852	0.889	0.974
Xylene (Total)	0.537	0.612	0.585	0.607	0.661
Ethyl Ether	1.984	1.842	1.758	1.870	1.870
Acrolein	0.402	0.397	0.275	0.321	0.392
Freon TF	1.520	2.001	1.883	2.020	2.120

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

LAB FILE ID: RRF1: C31654 RRF5: C31656 RRF20: C31657
RRF50: C31658 RRF200: C31659

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Isopropanol	0.136	0.134	0.095	0.111	0.144
Acetonitrile	0.141	0.112	0.140	0.130	0.115
TBA		0.223	0.229	0.231	0.229
Acrylonitrile	0.825	0.837	0.578	0.698	0.837
MTBE	6.925	6.333	6.178	6.492	6.284
Hexane	1.660	1.952	1.902	1.987	2.054
DIPE	7.705	6.729	6.906	7.334	7.205
Ethyl Acetate	0.365	0.234	0.253	0.270	0.265
Vinyl Acetate		4.119	3.691	3.638	3.356
Tetrahydrofuran	1.454	1.080	1.009	1.033	1.065
Cyclohexane	3.692	4.150	4.029	4.178	4.236
Isobutanol					
Isopropyl Acetate	0.690	0.674	0.637	0.699	0.719
n-Heptane	0.227	0.210	0.237	0.266	0.289
n-Butanol	0.070	0.074	0.054	0.063	0.078
Propyl Acetate	0.617	0.483	0.482	0.528	0.538
Butyl Acetate	0.144	0.087	0.090	0.099	0.109
1,2-Dibromoethane	0.228	0.135	0.233	0.234	0.240
1,3-Dichlorobenzene	0.650	0.650	0.623	0.649	0.769
1,4-Dichlorobenzene	0.663	0.662	0.626	0.658	0.753
1,2-Dichlorobenzene	0.627	0.629	0.599	0.618	0.702
Naphthalene	1.152	1.167	1.115	1.139	1.156
Methylnaphthalene (total)	0.571	0.338	0.482	0.590	0.647
Dimethylnaphthalene (total)	0.128	0.075	0.100	0.131	0.154
Dichlorodifluoromethane	1.295	1.847	1.530	1.697	1.793
1,4-Dioxane	0.004	0.004	0.003	0.004	0.005
n-Pentane	0.410	0.471	0.423	0.447	0.354
5-Methyl-2-Hexanone					
Isopropylbenzene	1.231	1.472	1.399	1.424	1.569
1,2,4-Trimethylbenzene	1.078	1.180	1.104	1.143	1.265
Cyclohexanone					
1,2,4-Trichlorobenzene	0.323	0.370	0.336	0.357	0.409
Methyl Methacrylate	0.097	0.095	0.096	0.105	0.111
Allyl Alcohol	0.052	0.053	0.035	0.048	0.059
Epichlorohydrin	0.040	0.024	0.024	0.027	0.027
Allyl Chloride					
Benzyl Chloride	0.962	0.547	0.588	0.684	0.761
Isoprene	2.331	2.845	2.736	3.016	3.119
1,1,1,2-Tetrachloroethane	0.198	0.246	0.262	0.278	0.327

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

LAB FILE ID: RRF1: C31654 RRF5: C31656 RRF20: C31657
RRF50: C31658 RRF200: C31659

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Camphene (total)	0.446	0.542	0.494	0.525	0.587
Camphor	0.055	0.051	0.045	0.053	0.071
1,3,5-Trimethylbenzene	1.053	1.192	1.126	1.160	1.286
1,2,3-Trichlorobenzene	0.320	0.326	0.317	0.327	0.361
n-Butylbenzene	0.826	1.058	0.964	0.983	1.131
sec-Butylbenzene	1.238	1.448	1.317	1.381	1.536
tert-Butylbenzene	0.889	1.046	0.951	0.982	1.102
p-Isopropyltoluene	0.971	1.178	1.078	1.136	1.334
n-Propylbenzene	1.450	1.743	1.638	1.710	1.855
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	0.700	0.500	0.464	0.520	0.540
Methyl cyclohexane	0.397	0.515	0.496	0.586	0.653
1,2-Dibromo-3-chloropropane	0.050	0.054	0.062	0.063	0.074
Cyclohexene					
1,2-Dichlorotrifluoroethane					
n-Propanol	0.011	0.010	0.007	0.009	0.011
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Ethanol	0.011	0.012	0.009	0.010	0.013
Chlorotrifluoroethane					
Dichlorofluoromethane					
Ethylene Oxide					
Methyl Formate					
Isobutyraldehyde					
Amyl Acetate	0.570	0.569	0.543	0.629	0.699
1,2,3-Trichloropropane	0.136	0.128	0.124	0.120	0.128
Chlorodifluoromethane					
1,3-Dichloropropane	0.583	0.574	0.518	0.528	0.558
Dibromomethane	0.170	0.177	0.171	0.179	0.190
1-Propene					
2-Chloropropane					
1-Chloropropane					
Hexachlorobutadiene	0.082	0.111	0.093	0.099	0.120
2-Chlorotoluene	0.934	1.044	0.977	1.018	1.101
4-Chlorotoluene	0.986	1.057	1.018	1.056	1.156
1,1-Dichloropropene	2.626	3.074	3.040	2.989	3.172
Bromobenzene	0.369	0.366	0.350	0.366	0.410
2,2-Dichloropropane	2.937	2.831	2.873	2.795	2.879

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

LAB FILE ID: RRF1: C31654 RRF5: C31656 RRF20: C31657
RRF50: C31658 RRF200: C31659

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
1,2-Dichloroethane-d4 (SUR)	0.050	0.052	0.051	0.052	0.052
Toluene-d8 (SUR)	1.155	1.181	1.149	1.183	1.171
Bromofluorobenzene (SUR)	0.391	0.396	0.392	0.397	0.397

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

RRF500: C31660

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane		AVRG	2.98383407	6.8*
Bromomethane		AVRG	1.24758135	13.0*
Vinyl Chloride		AVRG	2.50652731	10.8*
Chloroethane		AVRG	1.30803478	21.2*
Methylene Chloride	1.773	AVRG	2.47561183	26.0*
Acetone	0.181	AVRG	0.27806974	26.2*
Carbon Disulfide	3.915	AVRG	4.30394765	9.5*
Trichlorofluoromethane		AVRG	2.71553401	12.5*
1,1-Dichloroethene	1.688	AVRG	1.97491901	7.7*
1,1-Dichloroethane	3.110	AVRG	3.87526667	9.8*
trans-1,2-Dichloroethene	1.829	AVRG	2.21912950	9.6*
cis-1,2-Dichloroethene	1.954	AVRG	2.32993920	8.1*
Chloroform	2.940	AVRG	3.59813528	9.0*
1,2-Dichloroethane	0.421	AVRG	0.41777826	3.2*
2-Butanone	0.334	AVRG	0.34827569	10.7*
1,1,1-Trichloroethane	2.478	AVRG	2.79850400	10.4*
Carbon Tetrachloride	1.914	AVRG	1.95642439	17.1*
Bromodichloromethane	0.244	AVRG	0.23964648	3.1*
1,2-Dichloropropane	0.371	AVRG	0.36578427	3.7*
cis-1,3-Dichloropropene	0.531	AVRG	0.49412139	7.6*
Trichloroethene	0.355	AVRG	0.31794919	9.9*
Dibromochloromethane	0.322	AVRG	0.26599860	18.1*
1,1,2-Trichloroethane	0.250	AVRG	0.25155298	2.8*
Benzene	1.350	AVRG	1.40917414	3.9*
trans-1,3-Dichloropropene	0.484	AVRG	0.45563819	6.9*
2-Chloroethyl Vinyl Ether	0.115	AVRG	0.10357611	9.2*
Bromoform	0.245	AVRG	0.17372804	30.8*
4-Methyl-2-Pentanone	0.381	AVRG	0.35695142	7.0*
2-Hexanone	0.294	AVRG	0.30460788	2.5*
Tetrachloroethene	0.402	AVRG	0.36532625	8.3*
1,1,2,2-Tetrachloroethane	0.387	AVRG	0.38660345	3.4*
Toluene	1.415	AVRG	1.50259670	4.8*
Chlorobenzene	0.944	AVRG	0.94647676	3.8*
Ethylbenzene	0.552	AVRG	0.51060575	9.0*
Styrene	0.896	AVRG	0.88228658	6.2*
Xylene (Total)	0.603	AVRG	0.60086518	6.7*
Ethyl Ether	1.425	AVRG	1.79135742	10.8*
Acrolein	0.299	AVRG	0.34767785	16.1*
Freon TF		AVRG	1.90887932	12.2*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

RRF500: C31660

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol		AVRG	0.12403714	16.2*
Acetonitrile	0.079	AVRG	0.11975822	19.5*
TBA	0.200	AVRG	0.22261938	5.7*
Acrylonitrile	0.686	AVRG	0.74362907	14.4*
MTBE	4.799	AVRG	6.16857758	11.7*
Hexane	1.421	AVRG	1.82923331	13.2*
DIPE	5.377	AVRG	6.87617063	11.8*
Ethyl Acetate	0.213	AVRG	0.26686009	19.7*
Vinyl Acetate	2.440	AVRG	3.44875927	18.2*
Tetrahydrofuran	0.866	AVRG	1.08453411	18.1*
Cyclohexane	3.296	AVRG	3.93006261	9.3*
Isobutanol		AVRG		
Isopropyl Acetate	0.654	AVRG	0.67883399	4.4*
n-Heptane	0.274	AVRG	0.25069315	12.1*
n-Butanol	0.077	AVRG	0.06931173	13.7*
Propyl Acetate	0.512	AVRG	0.52672272	9.4*
Butyl Acetate	0.104	AVRG	0.10561185	19.5*
1,2-Dibromoethane	0.228	AVRG	0.21611518	18.4*
1,3-Dichlorobenzene	0.767	AVRG	0.68465385	9.6*
1,4-Dichlorobenzene	0.740	AVRG	0.68364347	7.4*
1,2-Dichlorobenzene	0.694	AVRG	0.64486078	6.6*
Naphthalene	1.045	AVRG	1.12915775	4.0*
Methylnaphthalene (total)	0.597	AVRG	0.53726486	20.8*
Dimethylnaphthalene (total)	0.159	AVRG	0.12454892	25.7*
Dichlorodifluoromethane		AVRG	1.63250216	13.7*
1,4-Dioxane	0.005	AVRG	0.00420681	19.1*
n-Pentane		AVRG	0.42114114	10.4*
5-Methyl-2-Hexanone		AVRG		
Isopropylbenzene	1.402	AVRG	1.41629312	7.8*
1,2,4-Trimethylbenzene	1.148	AVRG	1.15324179	5.6*
Cyclohexanone		AVRG		
1,2,4-Trichlorobenzene	0.429	AVRG	0.37077605	11.1*
Methyl Methacrylate	0.112	AVRG	0.10301259	7.4*
Allyl Alcohol		AVRG	0.04919006	18.1*
Epichlorohydrin	0.029	AVRG	0.02850354	20.3*
Allyl Chloride		AVRG		
Benzyl Chloride	0.744	AVRG	0.71437653	20.7*
Isoprene	2.414	AVRG	2.74359610	11.6*
1,1,1,2-Tetrachloroethane		AVRG	0.26239295	17.9*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

RRF500: C31660

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	0.558	AVRG	0.52565975	9.5*
Camphor	0.072	AVRG	0.05783506	19.4*
1,3,5-Trimethylbenzene	1.150	AVRG	1.16131884	6.6*
1,2,3-Trichlorobenzene	0.366	AVRG	0.33660581	6.4*
n-Butylbenzene	1.019	AVRG	0.99698294	10.3*
sec-Butylbenzene	1.370	AVRG	1.38137519	7.5*
tert-Butylbenzene	1.029	AVRG	0.99995820	7.6*
p-Isopropyltoluene	1.230	AVRG	1.15447192	10.8*
n-Propylbenzene	1.559	AVRG	1.65946765	8.6*
m+p-Ethyltoluene		AVRG		
o-Ethyltoluene		AVRG		
Methyl Acetate	0.429	AVRG	0.52580171	17.9*
Methyl cyclohexane	0.637	AVRG	0.54733240	17.7*
1,2-Dibromo-3-chloropropane	0.076	AVRG	0.06308985	16.7*
Cyclohexene		AVRG		
1,2-Dichlorotrifluoroethane		AVRG		
n-Propanol	0.010	AVRG	0.00956062	13.7*
3-Methyl-1-Pentyn-3-ol		AVRG		
Propylene Oxide		AVRG		
Ethanol		AVRG	0.01090063	15.7*
Chlorotrifluoroethane		AVRG		
Dichlorofluoromethane		AVRG		
Ethylene Oxide		AVRG		
Methyl Formate		AVRG		
Isobutyraldehyde		AVRG		
Amyl Acetate	0.630	AVRG	0.60665154	9.5*
1,2,3-Trichloropropane	0.127	AVRG	0.12754636	4.2*
Chlorodifluoromethane		AVRG		
1,3-Dichloropropane	0.524	AVRG	0.54760024	5.1*
Dibromomethane	0.183	AVRG	0.17831303	4.3*
1-Propene		AVRG		
2-Chloropropane		AVRG		
1-Chloropropane		AVRG		
Hexachlorobutadiene	0.131	AVRG	0.10582297	17.3*
2-Chlorotoluene	0.979	AVRG	1.00887514	5.8*
4-Chlorotoluene	1.038	AVRG	1.05209982	5.5*
1,1-Dichloropropene	2.475	AVRG	2.89607305	9.6*
Bromobenzene	0.412	AVRG	0.37888890	6.8*
2,2-Dichloropropane	2.192	AVRG	2.75102900	10.1*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

VOLATILE ORGANICS INITIAL CALIBRATION DATA (cont'd)
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 11/07/08 11/07/08

Heated Purge: (Y/N) N Calibration Time(s): 2103 2317

RRF500: C31660

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
1,2-Dichloroethane-d4 (SUR)	0.054	AVRG	0.05176213	2.7*
Toluene-d8 (SUR)	1.143	AVRG	1.16353634	1.5*
Bromofluorobenzene (SUR)	0.391	AVRG	0.39396539	0.8*

* Compound with required maximum % RSD value.
** Compound with required minimum RRF value.

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 11/18/08 Time: 1106

Lab File ID: C31872 Init. Calib. Date(s): 11/07/08 11/07/08

Init. Calib. Times: 2103 2317

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	2.9840000	2.8137618		5.70	104.00	AVRG
Bromomethane	1.2480000	1.4929527		-19.63	86.00	AVRG
Vinyl Chloride	2.5070000	2.5534703		-1.85	96.00	AVRG
Chloroethane	1.3080000	1.4806867		-13.20	62.00	AVRG
Methylene Chloride	2.4760000	2.2795794		7.93	39.50	AVRG
Acetone	0.2780000	0.3251644		-16.96	50.00	AVRG
Carbon Disulfide	4.3040000	4.9076745		-14.02	50.00	AVRG
Trichlorofluoromethane	2.7160000	3.4934987		-28.63	52.00	AVRG
1,1-Dichloroethene	1.9750000	1.9723951		0.13	49.50	AVRG
1,1-Dichloroethane	3.8750000	3.8891739		-0.36	27.50	AVRG
trans-1,2-Dichloroethene	2.2190000	2.0802372		6.25	30.50	AVRG
cis-1,2-Dichloroethene	2.3300000	2.1484623		7.79	50.00	AVRG
Chloroform	3.5980000	3.5971887		0.02	32.50	AVRG
1,2-Dichloroethane	0.4180000	0.5001521		-19.65	32.00	AVRG
2-Butanone	0.3480000	0.3833329		-10.15	50.00	AVRG
1,1,1-Trichloroethane	2.7980000	2.9315082		-4.77	25.00	AVRG
Carbon Tetrachloride	1.9560000	1.9121314		2.24	27.00	AVRG
Bromodichloromethane	0.2390000	0.2364902		1.05	34.50	AVRG
1,2-Dichloropropane	0.3660000	0.3586015		2.02	66.00	AVRG
cis-1,3-Dichloropropene	0.4940000	0.4645696		5.96	76.00	AVRG
Trichloroethene	0.3180000	0.3320636		-4.42	33.50	AVRG
Dibromochloromethane	0.2660000	0.2539253		4.54	32.50	AVRG
1,1,2-Trichloroethane	0.2520000	0.2652575		-5.26	29.00	AVRG
Benzene	1.4090000	1.4300138		-1.49	36.00	AVRG
trans-1,3-Dichloropropene	0.4550000	0.4471308		1.73	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.1040000	0.1208754		-16.23	124.00	AVRG
Bromoform	0.1740000	0.1410545		18.93	29.00	AVRG
4-Methyl-2-Pentanone	0.3570000	0.3868888		-8.37	50.00	AVRG
2-Hexanone	0.3040000	0.4213453		-38.60	50.00	AVRG
Tetrachloroethene	0.3650000	0.4031551		-10.45	26.50	AVRG
1,1,2,2-Tetrachloroethane	0.3870000	0.4143298		-7.06	39.50	AVRG
Toluene	1.5020000	1.5963128		-6.28	25.50	AVRG
Chlorobenzene	0.9460000	1.0338056		-9.28	34.00	AVRG
Ethylbenzene	0.5100000	0.5672032		-11.22	41.00	AVRG
Styrene	0.8820000	0.9401917		-6.60	50.00	AVRG
Xylene (Total)	0.6010000	0.6562762		-9.20	50.00	AVRG
Ethyl Ether	1.7920000	2.0548671		-14.67	50.00	AVRG
Acrolein	0.3480000	0.3634609		-4.44	99.00	AVRG
Freon TF	1.9090000	2.3744318		-24.38	50.00	AVRG
Isopropanol	0.1240000	0.1135907		8.39	50.00	AVRG
Acetonitrile	0.1200000	0.0549801		54.18	50.00	AVRG
TBA	0.2220000	0.2193584		1.19	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 11/18/08 Time: 1106

Lab File ID: C31872 Init. Calib. Date(s): 11/07/08 11/07/08

Init. Calib. Times: 2103 2317

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.7440000	0.7573609		-1.80	50.00	AVRG
MTBE	6.1680000	6.9990350		-13.47	50.00	AVRG
Hexane	1.8290000	2.2153541		-21.12	50.00	AVRG
DIPE	6.8760000	7.9605861		-15.77	50.00	AVRG
Ethyl Acetate	0.2670000	0.2574917		3.56	50.00	AVRG
Vinyl Acetate	3.4490000	4.0138914		-16.38	50.00	AVRG
Tetrahydrofuran	1.0840000	1.0512990		3.02	50.00	AVRG
Cyclohexane	3.9300000	4.6700866		-18.83	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.6790000	0.7505071		-10.53	50.00	AVRG
n-Heptane	0.2500000	0.2771813		-10.87	50.00	AVRG
n-Butanol	0.0690000	0.0490606		28.90	50.00	AVRG
Propyl Acetate	0.5270000	0.5610430		-6.46	50.00	AVRG
Butyl Acetate	0.1060000	0.1155840		-9.04	50.00	AVRG
1,2-Dibromoethane	0.2160000	0.2761029		-27.82	50.00	AVRG
1,3-Dichlorobenzene	0.6850000	0.7183157		-4.86	27.00	AVRG
1,4-Dichlorobenzene	0.6840000	0.7257393		-6.10	37.00	AVRG
1,2-Dichlorobenzene	0.6450000	0.6782772		-5.16	37.00	AVRG
Naphthalene	1.1290000	1.2997218		-15.12	50.00	AVRG
Methylnaphthalene (total)	0.5380000	0.5721284		-6.34	50.00	AVRG
Dimethylnaphthalene (total)	0.1240000	0.0850236		31.43	50.00	AVRG
Dichlorodifluoromethane	1.6320000	1.9214262		-17.73	50.00	AVRG
1,4-Dioxane	0.0040000	0.0040524		-1.31	50.00	AVRG
n-Pentane	0.4210000	0.5746756		-36.50	50.00	AVRG
5-Methyl-2-Hexanone	0.0000000			0.00	50.00	AVRG
Isopropylbenzene	1.4160000	1.5303027		-8.07	50.00	AVRG
1,2,4-Trimethylbenzene	1.1530000	1.2564476		-8.97	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
1,2,4-Trichlorobenzene	0.3710000	0.4122752		-11.12	50.00	AVRG
Methyl Methacrylate	0.1030000	0.1128766		-9.59	50.00	AVRG
Allyl Alcohol	0.0490000	0.0357259		27.09	50.00	AVRG
Epichlorohydrin	0.0280000	0.0310045		-10.73	50.00	AVRG
Allyl Chloride	0.0000000			0.00	50.00	AVRG
Benzyl Chloride	0.7140000	0.5439877		23.81	50.00	AVRG
Isoprene	2.7440000	3.4699190		-26.45	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.2620000	0.2577123		1.64	50.00	AVRG
Camphene (total)	0.5250000	0.6313307		-20.25	50.00	AVRG
Camphor	0.0580000	0.0593139		-2.26	50.00	AVRG
1,3,5-Trimethylbenzene	1.1610000	1.2544575		-8.05	50.00	AVRG
1,2,3-Trichlorobenzene	0.3360000	0.3831609		-14.04	50.00	AVRG
n-Butylbenzene	0.9970000	1.0431907		-4.63	50.00	AVRG
sec-Butylbenzene	1.3820000	1.3989338		-1.22	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 11/18/08 Time: 1106

Lab File ID: C31872 Init. Calib. Date(s): 11/07/08 11/07/08

Init. Calib. Times: 2103 2317

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
tert-Butylbenzene	1.0000000	1.0138544		-1.38	50.00	AVRG
p-Isopropyltoluene	1.1540000	1.1607934		-0.59	50.00	AVRG
n-Propylbenzene	1.6590000	1.7910574		-7.96	50.00	AVRG
m+p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
o-Ethyltoluene	0.0000000			0.00	50.00	AVRG
Methyl Acetate	0.5260000	0.5442771		-3.47	50.00	AVRG
Methyl cyclohexane	0.5470000	0.7120375		-30.17	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.0630000	0.0606984		3.65	50.00	AVRG
Cyclohexene	0.0000000			0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
n-Propanol	0.0100000	0.0074320		25.68	50.00	AVRG
3-Methyl-1-Pentyn-3-ol	0.0000000			0.00	50.00	AVRG
Propylene Oxide	0.0000000			0.00	50.00	AVRG
Ethanol	0.0110000	0.0100422		8.71	50.00	AVRG
Chlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
Dichlorofluoromethane	0.0000000			0.00	50.00	AVRG
Ethylene Oxide	0.0000000			0.00	50.00	AVRG
Methyl Formate	0.0000000			0.00	50.00	AVRG
Isobutyraldehyde	0.0000000			0.00	50.00	AVRG
Amyl Acetate	0.6070000	0.6899602		-13.67	50.00	AVRG
1,2,3-Trichloropropane	0.1270000	0.1337885		-5.34	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
1,3-Dichloropropane	0.5480000	0.5934827		-8.30	50.00	AVRG
Dibromomethane	0.1780000	0.1892200		-6.30	50.00	AVRG
1-Propene	0.0000000			0.00	50.00	AVRG
2-Chloropropane	0.0000000			0.00	50.00	AVRG
1-Chloropropane	0.0000000			0.00	50.00	AVRG
Hexachlorobutadiene	0.1060000	0.1107805		-4.51	50.00	AVRG
2-Chlorotoluene	1.0090000	1.0891207		-7.94	50.00	AVRG
4-Chlorotoluene	1.0520000	1.1696916		-11.19	50.00	AVRG
1,1-Dichloropropene	2.8960000	2.9176423		-0.75	50.00	AVRG
Bromobenzene	0.3790000	0.4115236		-8.58	50.00	AVRG
2,2-Dichloropropane	2.7510000	2.6262285		4.54	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.0520000	0.0495561		4.70	999.00	AVRG
Toluene-d8 (SUR)	1.1640000	1.2380641		-6.36	999.00	AVRG
Bromofluorobenzene (SUR)	0.3940000	0.4037206		-2.47	999.00	AVRG

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Surrogate Compound Recovery Summary

VOLATILE SYSTEM MONITORING COMPOUND RECOVERY
METHOD 624

Matrix: WATER Level: LOW Lab Job No: B917

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	CV323B	92	100	98		0
02	966452	94	100	101		0
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

		QC LIMITS
S1	= 1,2-Dichloroethane-d4	(76-128)
S2	= Toluene-d8	(73-122)
S3	= Bromofluorobenzene	(75-126)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

page 1 of 1

Spike Recovery Summary

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 966899

MS Sample from Lab Job No: B991

QA Batch: 1291

Compound	MS % REC.	BS % REC.	LIMITS
Chloromethane	88	100	0-273
Bromomethane	86	115	0-242
Vinyl Chloride	94	110	0-251
Chloroethane	97	115	14-230
Methylene Chloride	84	90	0-221
Trichlorofluoromethane	116	130	17-181
1,1-Dichloroethene	92	95	0-234
1,1-Dichloroethane	94	100	59-155
trans-1,2-Dichloroethene	88	90	54-156
Chloroform	96	105	51-138
1,2-Dichloroethane	104	120	49-155
1,1,1-Trichloroethane	100	105	52-162
Carbon Tetrachloride	88	100	70-140
Bromodichloromethane	96	105	35-155
1,2-Dichloropropane	94	100	0-210
cis-1,3-Dichloropropene	76	90	0-227
Trichloroethene	100	115	71-157
Dibromochloromethane	90	100	53-149
1,1,2-Trichloroethane	102	110	52-150
Benzene	90	100	37-151
trans-1,3-Dichloropropene	76	90	17-183
2-Chloroethyl Vinyl Ether	0	115	0-305
Bromoform	76	85	45-169
Tetrachloroethene	112	105	64-148
1,1,2,2-Tetrachloroethane	108	105	46-157
Toluene	103	105	47-150
Chlorobenzene	104	110	37-160
Ethylbenzene	106	100	37-162
1,3-Dichlorobenzene	102	100	59-156
1,4-Dichlorobenzene	102	100	18-190

* Values outside of QC limits

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 966899

MS Sample from Lab Job No: B991

QA Batch: 1291

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	106	105	18-190

* Values outside of QC limits

Spike Recovery: 0 out of 62 outside limits

COMMENTS:

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C31872 Date Analyzed: 11/18/08

Instrument ID: VOAMS3 Time Analyzed: 1106

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	39377	2.75	236661	3.76	209536	6.81
	UPPER LIMIT	78754	3.25	473322	4.26	419072	7.31
	LOWER LIMIT	19688	2.25	118330	3.26	104768	6.31
	LABORATORY SAMPLE NO.						
01	CV323B	37536	2.75	234077	3.76	205026	6.81
02	966452	46933	2.75	302450	3.76	262190	6.81
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (BCM) = Bromochloromethane
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Metals Forms and Data

Analytical Results Summary

Client ID: **Composite**
Site: **Newark PVSC**

Lab Sample No: 966453
Lab Job No: B917

Date Sampled: 11/13/08
Date Received: 11/13/08

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Cadmium	ND	0.40		P
Copper	ND	3.7		P
Lead	ND	2.7		P
Mercury	ND	0.10		CV
Nickel	26.0	2.4	B	P
Zinc	122	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Blank Results Summary

BLANKS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	62.6	U	62.6	U	62.6	U	62.6	U	62.600	U	P
Antimony	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Arsenic	3.2	U	3.2	U	3.2	U	3.2	U	3.200	U	P
Barium	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Beryllium	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Cadmium	0.4	U	0.4	U	0.4	U	0.4	U	-0.563	B	P
Calcium	42.5	U	42.5	U	42.5	U	42.5	U	42.500	U	P
Chromium	1.6	U	1.6	U	1.6	U	1.6	U	1.600	U	P
Cobalt	1.7	U	1.7	U	1.7	U	1.7	U	1.700	U	P
Copper	3.7	U	3.7	U	3.7	U	3.7	U	3.700	U	P
Iron	39.2	U	39.2	U	39.2	U	39.2	U	39.200	U	P
Lead	2.7	U	2.7	U	2.9	B	2.7	U	-3.035	B	P
Magnesium	41.6	U	41.6	U	41.6	U	41.6	U	41.600	U	P
Manganese	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.120	U	CV
Nickel	2.4	U	2.4	U	2.4	U	2.4	U	2.400	U	P
Potassium	315.4	U	315.4	U	315.4	U	315.4	U	315.400	U	P
Selenium	4.2	U	4.2	U	4.2	U	4.2	U	4.200	U	P
Silver	1.4	U	1.4	U	1.4	U	1.4	U	1.400	U	P
Sodium	395.5	U	395.5	U	395.5	U	395.5	U	395.500	U	P
Thallium	6.8	B	5.7	B	8.6	B	10.4		4.700	U	P
Vanadium	4.7	U	4.7	U	4.7	U	4.7	U	4.700	U	P
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Molybdenu	4.4	U	4.4	U	4.4	U	4.4	U	4.430	U	P

BLANKS

Lab Name: TESTAMERICA_____ _____

Lab Code: 12028_ Lab Job No.: _B917 _____ Batch No.: 25495_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			62.6	U							P
Antimony			5.8	U							P
Arsenic			3.2	U							P
Barium			1.7	U							P
Beryllium			0.3	U							P
Cadmium			0.4	U							P
Calcium			42.5	U							P
Chromium			1.6	U							P
Cobalt			1.7	U							P
Copper			3.7	U							P
Iron			39.2	U							P
Lead			2.7	U							P
Magnesium			41.6	U							P
Manganese			1.2	U							P
Mercury			0.1	U	0.1	U	-0.1	B			CV
Nickel			2.4	U							P
Potassium			315.4	U							P
Selenium			4.2	U							P
Silver			1.4	U							P
Sodium			395.5	U							P
Thallium			6.2	B							P
Vanadium			4.7	U							P
Zinc			5.8	U							P
Molybdenu			4.4	U							P

BLANKS

Lab Name: TESTAMERICA_____ _____

Lab Code: 12028_ Lab Job No.: _B917 _____ Batch No.: 25495_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury			0.1	U							CV
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium	395.5	U	395.5	U	395.5	U	395.5	U			P
Thallium	4.7	U	4.7	U	4.7	U	4.7	U			P
Vanadium											NR
Zinc											NR
Molybdenu											NR

BLANKS

Lab Name: TESTAMERICA_____ _____

Lab Code: 12028_ Lab Job No.: _B917 _____ Batch No.: 25495_

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium			395.5	U	395.5	U					P
Thallium			4.7	U	4.7	U					P
Vanadium											NR
Zinc											NR
Molybdenu											NR

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	125000.0	123235.7	98.6	125000.0	124524.0	99.6	124831.7	99.9	P
Antimony	1000.0	1004.57	100.5	1000.0	1005.87	100.6	1020.21	102.0	P
Arsenic	5000.0	4952.78	99.1	5000.0	5020.24	100.4	5021.57	100.4	P
Barium	10000.0	9887.15	98.9	10000.0	9924.54	99.2	9973.09	99.7	P
Beryllium	1000.0	1001.29	100.1	1000.0	1000.00	100.0	1000.16	100.0	P
Cadmium	2500.0	2503.48	100.1	2500.0	2506.70	100.3	2490.53	99.6	P
Calcium	125000.0	126024.8	100.8	125000.0	126455.2	101.2	126368.4	101.1	P
Chromium	5000.0	4968.52	99.4	5000.0	5010.69	100.2	4992.97	99.9	P
Cobalt	2500.0	2481.97	99.3	2500.0	2506.50	100.3	2491.98	99.7	P
Copper	12500.0	12214.38	97.7	12500.0	12291.01	98.3	12360.24	98.9	P
Iron	100000.0	99841.42	99.8	100000.0	100362.1	100.4	100393.0	100.4	P
Lead	10000.0	9905.15	99.1	10000.0	9957.15	99.6	9934.33	99.3	P
Magnesium	125000.0	123869.6	99.1	125000.0	124418.7	99.5	124870.7	99.9	P
Manganese	5000.0	4998.26	100.0	5000.0	5005.61	100.1	5014.53	100.3	P
Mercury	5.0	5.27	105.4	5.0	5.17	103.4	5.48	109.6	CV
Nickel	2500.0	2482.13	99.3	2500.0	2507.71	100.3	2490.60	99.6	P
Potassium	50000.0	48899.55	97.8	50000.0	49424.59	98.8	49664.94	99.3	P
Selenium	5000.0	4961.00	99.2	5000.0	5006.41	100.1	4993.52	99.9	P
Silver	1250.0	1240.20	99.2	1250.0	1238.61	99.1	1240.72	99.3	P
Sodium	125000.0	122234.8	97.8	125000.0	122922.7	98.3	123537.8	98.8	P
Thallium	5000.0	4936.08	98.7	5000.0	4995.91	99.9	4974.68	99.5	P
Vanadium	2500.0	2485.28	99.4	2500.0	2492.48	99.7	2499.92	100.0	P
Zinc	7500.0	7349.61	98.0	7500.0	7407.24	98.8	7404.50	98.7	P
Molybdenu	2500.0	2484.58	99.4	2500.0	2498.07	99.9	2499.28	100.0	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				125000.0	125367.3	100.3	122853.0	98.3	P
Antimony				1000.0	1021.75	102.2	1005.90	100.6	P
Arsenic				5000.0	4999.97	100.0	4925.51	98.5	P
Barium				10000.0	10024.42	100.2	9855.54	98.6	P
Beryllium				1000.0	1001.60	100.2	987.29	98.7	P
Cadmium				2500.0	2496.66	99.9	2456.28	98.3	P
Calcium				125000.0	127172.5	101.7	125022.1	100.0	P
Chromium				5000.0	5019.87	100.4	4921.48	98.4	P
Cobalt				2500.0	2496.72	99.9	2450.42	98.0	P
Copper				12500.0	12417.96	99.3	12224.77	97.8	P
Iron				100000.0	100935.5	100.9	99188.17	99.2	P
Lead				10000.0	10010.78	100.1	9775.13	97.8	P
Magnesium				125000.0	125487.0	100.4	123076.6	98.5	P
Manganese				5000.0	5051.68	101.0	4954.79	99.1	P
Mercury				5.0	5.35	107.0	5.38	107.6	CV
Nickel				2500.0	2501.68	100.1	2455.59	98.2	P
Potassium				50000.0	49500.91	99.0	48847.84	97.7	P
Selenium				5000.0	4996.56	99.9	4897.49	97.9	P
Silver				1250.0	1248.44	99.9	1226.03	98.1	P
Sodium				125000.0	124063.7	99.3	121990.5	97.6	P
Thallium				5000.0	4974.54	99.5	4893.89	97.9	P
Vanadium				2500.0	2512.59	100.5	2470.34	98.8	P
Zinc				7500.0	7430.78	99.1	7289.47	97.2	P
Molybdenu				2500.0	2511.34	100.5	2464.72	98.6	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.45	109.0	5.38	107.6	CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium	125000.0	123365.9	98.7	125000.0	124893.2	99.9	124334.3	99.5	P
Thallium	5000.0	4901.66	98.0	5000.0	4893.95	97.9	4869.79	97.4	P
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury				5.0	5.39	107.8			CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium				125000.0	123154.8	98.5	125623.4	100.5	P
Thallium				5000.0	4778.17	95.6	4816.08	96.3	P
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Initial Calibration Source: INORG VENT

Continuing Calibration Source: INORG VENT

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium				125000.0	125071.0	100.1			P
Thallium				5000.0	4803.32	96.1			P
Vanadium									NR
Zinc									NR
Molybdenu									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

ICP Interference Check Results Summary

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	475700	481477.9	96.3	483185	478948.9	95.8
Antimony		100		95.9	95.9		102.2	102.2
Arsenic		100		96.8	96.8		95.3	95.3
Barium		100		109.7	109.7		108.7	108.7
Beryllium		100		101.8	101.8		99.4	99.4
Cadmium		100		100.8	100.8		97.9	97.9
Calcium	500000	500000	505620	502944.6	100.6	502262	494920.5	99.0
Chromium		100		104.2	104.2		102.5	102.5
Cobalt		100		99.2	99.2		98.3	98.3
Copper		100		104.8	104.8		104.3	104.3
Iron	200000	200000	204169	204143.9	102.1	204625	201032.9	100.5
Lead		100		96.3	96.3		98.5	98.5
Magnesium	500000	500000	526016	531669.9	106.3	532144	525873.4	105.2
Manganese		100		104.9	104.9		103.6	103.6
Mercury								
Nickel		100		102.7	102.7		100.5	100.5
Potassium		10000		10560.2	105.6		10474.6	104.7
Selenium		100		98.3	98.3		96.6	96.6
Silver		100		105.7	105.7		104.1	104.1
Sodium		10000		10662.7	106.6		10636.3	106.4
Thallium		100		98.0	98.0		103.5	103.5
Vanadium		100		98.1	98.1		98.2	98.2
Zinc		100		101.4	101.4		100.7	100.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	457663	460584.2	92.1	463002	455376.1	91.1
Antimony		100		97.2	97.2		103.2	103.2
Arsenic		100		96.4	96.4		94.7	94.7
Barium		100		107.2	107.2		107.0	107.0
Beryllium		100		104.3	104.3		104.0	104.0
Cadmium		100		105.1	105.1		103.8	103.8
Calcium	500000	500000	488153	498421.1	99.7	489952	500264.0	100.1
Chromium		100		104.4	104.4		105.4	105.4
Cobalt		100		101.8	101.8		100.5	100.5
Copper		100		103.1	103.1		103.0	103.0
Iron	200000	200000	197340	201420.6	100.7	197927	200449.2	100.2
Lead		100		95.9	95.9		91.5	91.5
Magnesium	500000	500000	513179	515666.2	103.1	517701	513819.0	102.8
Manganese		100		106.2	106.2		105.6	105.6
Mercury								
Nickel		100		103.8	103.8		103.1	103.1
Potassium		10000		11366.9	113.7		11174.3	111.7
Selenium		100		96.3	96.3		97.8	97.8
Silver		100		103.2	103.2		102.5	102.5
Sodium		10000		10911.4	109.1		10826.6	108.3
Thallium		100		97.7	97.7		91.3	91.3
Vanadium		100		101.7	101.7		100.9	100.9
Zinc		100		104.3	104.3		105.0	105.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

ICP ID Number: TRACE3 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000				462347	461616.8	92.3
Antimony		100					105.4	105.4
Arsenic		100					94.5	94.5
Barium		100					109.0	109.0
Beryllium		100					106.8	106.8
Cadmium		100					106.3	106.3
Calcium	500000	500000				517659	513520.6	102.7
Chromium		100					105.9	105.9
Cobalt		100					101.6	101.6
Copper		100					105.4	105.4
Iron	200000	200000				207074	205119.4	102.6
Lead		100					97.5	97.5
Magnesium	500000	500000				525813	524920.0	105.0
Manganese		100					107.8	107.8
Mercury								
Nickel		100					102.9	102.9
Potassium		10000					11206.9	112.1
Selenium		100					99.8	99.8
Silver		100					104.7	104.7
Sodium		10000					10983.5	109.8
Thallium		100					93.0	93.0
Vanadium		100					102.0	102.0
Zinc		100					107.6	107.6

Spike Sample Recovery Summary

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

965549MS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	70-130	0.9800		0.1200	U	1.00	98.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Molybdenu									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

965645MS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum	70-130	2225.7420		100.8890	B	2000.00	106.2		P
Antimony	70-130	527.3940		5.8000	U	500.00	105.5		P
Arsenic	70-130	2090.0160		3.2000	U	2000.00	104.5		P
Barium	70-130	2169.5520		101.7450	B	2000.00	103.4		P
Beryllium	70-130	52.2540		0.3000	U	50.00	104.5		P
Cadmium	70-130	52.1500		0.4000	U	50.00	104.3		P
Calcium		123075.9210		101487.9840		20000.00	107.9		P
Chromium	70-130	207.3200		1.6000	U	200.00	103.7		P
Cobalt	70-130	516.6630		2.1300	B	500.00	102.9		P
Copper	70-130	270.8110		12.0190	B	250.00	103.5		P
Iron	70-130	1779.4110		738.4340		1000.00	104.1		P
Lead	70-130	522.9400		2.7000	U	500.00	104.6		P
Magnesium	70-130	54549.3910		33757.3750		20000.00	104.0		P
Manganese	70-130	566.5440		42.2670		500.00	104.9		P
Mercury									NR
Nickel	70-130	522.7550		5.5890	B	500.00	103.4		P
Potassium	70-130	53703.0470		33650.2190		20000.00	100.3		P
Selenium	70-130	2209.4010		4.2000	U	2000.00	110.5		P
Silver	70-130	51.8560		1.4000	U	50.00	103.7		P
Sodium		220012.7650		199730.7180		20000.00	101.4		P
Thallium	70-130	2040.0260		4.7000	U	2000.00	102.0		P
Vanadium	70-130	522.7960		4.7000	U	500.00	104.6		P
Zinc	70-130	718.0630		200.1590		500.00	103.6		P
Molybdenu	70-130	523.6250		10.7520	B	500.00	102.6		P

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

965549D

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.1200	U	0.1200	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Molybdenu								NR

DUPLICATES

LAB SAMPLE NO.

965645D

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		100.8890	B	118.3420	B	15.9		P
Antimony		5.8000	U	5.8000	U			P
Arsenic		3.2000	U	3.2000	U			P
Barium		101.7450	B	101.8040	B	0.1		P
Beryllium		0.3000	U	0.3000	U			P
Cadmium		0.4000	U	0.4000	U			P
Calcium		101487.9840		100118.9680		1.4		P
Chromium		1.6000	U	1.6000	U			P
Cobalt		2.1300	B	3.3140	B	43.5		P
Copper		12.0190	B	7.8830	B	41.6		P
Iron	150.0	738.4340		721.0780		2.4		P
Lead		2.7000	U	2.7000	U			P
Magnesium		33757.3750		33710.5390		0.1		P
Manganese	15.0	42.2670		42.1320		0.3		P
Mercury								NR
Nickel		5.5890	B	5.2930	B	5.4		P
Potassium		33650.2190		34145.8910		1.5		P
Selenium		4.2000	U	4.2000	U			P
Silver		1.4000	U	1.4000	U			P
Sodium		199730.7180		200886.6090		0.6		P
Thallium		4.7000	U	4.7000	U			P
Vanadium		4.7000	U	4.7000	U			P
Zinc		200.1590		197.6280		1.3		P
Molybdenu		10.7520	B	11.2490	B	4.5		P

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Solid LCS Source:

Aqueous LCS Source: INORG VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum	2000.0	2072.24	103.6						
Antimony	500.0	511.28	102.3						
Arsenic	2000.0	2066.10	103.3						
Barium	2000.0	2036.32	101.8						
Beryllium	50.0	52.97	105.9						
Cadmium	50.0	52.35	104.7						
Calcium	20000.0	21435.24	107.2						
Chromium	200.0	207.02	103.5						
Cobalt	500.0	511.91	102.4						
Copper	250.0	250.34	100.1						
Iron	1000.0	1036.43	103.6						
Lead	500.0	515.26	103.1						
Magnesium	20000.0	20178.71	100.9						
Manganese	500.0	523.07	104.6						
Mercury	1.0	0.94	93.6						
Nickel	500.0	512.52	102.5						
Potassium	20000.0	20186.17	100.9						
Selenium	2000.0	2145.57	107.3						
Silver	50.0	50.28	100.6						
Sodium	20000.0	20116.04	100.6						
Thallium	2000.0	1927.04	96.4						
Vanadium	500.0	520.73	104.1						
Zinc	500.0	522.05	104.4						
Molybdenu	500.0	516.12	103.2						

Serial Dilution Summary

LAB SAMPLE NO.

965645L

ICP SERIAL DILUTION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: B917 Batch No.: 25495

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	100.89	B	313.00	U	100.0		P
Antimony	5.80	U	29.00	U			P
Arsenic	3.20	U	16.00	U			P
Barium	101.74	B	96.88	B	4.8		P
Beryllium	0.30	U	1.50	U			P
Cadmium	0.40	U	2.00	U			P
Calcium	101487.98		98329.56		3.1		P
Chromium	1.60	U	8.00	U			P
Cobalt	2.13	B	8.50	U	100.0		P
Copper	12.02	B	18.50	U	100.0		P
Iron	738.43		758.06		2.7		P
Lead	2.70	U	13.50	U			P
Magnesium	33757.38		31617.34		6.3		P
Manganese	42.27		41.28	B	2.3		P
Mercury							NR
Nickel	5.59	B	12.00	U	100.0		P
Potassium	33650.22		30756.96		8.6		P
Selenium	4.20	U	21.00	U			P
Silver	1.40	U	7.00	U			P
Sodium	199730.72		192006.35		3.9		P
Thallium	4.70	U	23.50	U			P
Vanadium	4.70	U	23.50	U			P
Zinc	200.16		196.62		1.8		P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: LEEMAN5_____ Method: CV

Start Date: 11/17/08 End Date: 11/17/08

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
STD1	1.00	1028																X									
STD2	1.00	1030																X									
STD3	1.00	1033																X									
STD4	1.00	1035																X									
STD5	1.00	1037																X									
STD6	1.00	1038																X									
ICV/ACCV	1.00	1042																X									
ICB/CCB_	1.00	1044																X									
BW111708	1.00	1046																X									
LCSW	1.00	1048																X									
965549__	1.00	1049																X									
965549D_	1.00	1051																X									
965549MS	1.00	1053																X									
966419__	1.00	1055																X									
966420__	1.00	1057																X									
CCV	1.00	1059																X									
CCB	1.00	1101																X									
CCV	1.00	1125																X									
CCB	1.00	1127																X									
966421__	1.00	1128																X									
966422__	1.00	1131																X									
966423__	1.00	1132																X									
966424__	1.00	1134																X									
966425__	1.00	1136																X									
966426__	1.00	1138																X									
966427__	1.00	1140																X									
CCV	1.00	1142																X									
CCB	1.00	1144																X									
CCV	1.00	1207																X									
CCB	1.00	1209																X									
966695__	1.00	1210																X									
965550__	1.00	1212																X									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: LEEMAN5_____ Method: CV

Start Date: 11/17/08 End Date: 11/17/08

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
965551	1.00	1214																X									
965552	1.00	1216																X									
966453	1.00	1218																X									
966068	1.00	1220																X									
966328	1.00	1222																X									
CCV	1.00	1224																X									
CCB	1.00	1226																X									
ZZZZZZ	1.00	1228																									
ZZZZZZ	1.00	1230																									
ZZZZZZ	1.00	1231																									
ZZZZZZ	1.00	1233																									
ZZZZZZ	1.00	1235																									
ZZZZZZ	1.00	1237																									
ZZZZZZ	1.00	1240																									
ZZZZZZ	1.00	1242																									
ZZZZZZ	1.00	1244																									
CCV	1.00	1246																X									
CCB	1.00	1248																X									
ZZZZZZ	1.00	1250																									
ZZZZZZ	1.00	1252																									
ZZZZZZ	1.00	1254																									
ZZZZZZ	1.00	1256																									
ZZZZZZ	1.00	1258																									
ZZZZZZ	1.00	1300																									
CCV	1.00	1302																X									
CCB	1.00	1304																X									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 11/17/08 End Date: 11/17/08

EPA Sample No.	D/F	Time	% R	Analytes																								
				ALB	SBS	ABA	BBE	CDA	CAR	COU	CUE	FBG	PBN	MGI	MNG	HGE	NIA	KGN	SEL	AGO	NAM	TLV	VZ	ZN	MO			
3CAL-BLK	1.00	1837		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	1844		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X	X	X
T3CAL2	1.00	1850		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X	X	X
T3CAL3	1.00	1857		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1908		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	1914		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
ICB/CCB	1.00	1921		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
ICSA	1.00	1928		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
ICSAB	1.00	1938		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1945		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1952		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	1958		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
BW111708	1.00	2005		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	X	X	X
LCSW	1.00	2011		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	X	X	X
965645D	1.00	2018		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	X	X	X
965645	1.00	2025		_	_	X	_	_	X	X	X	_	X	X	X	X	_	_	X	X	_	_	X	_	_	X	_	_
965645L	1.00	2031		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	X	X	X
CCV	1.00	2038		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	2045		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
965645MS	1.00	2051		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	X	X	X
966419	1.00	2058		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966420	1.00	2104		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966421	1.00	2111		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966422	1.00	2118		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966423	1.00	2124		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966424	1.00	2131		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_	X	X
966425	1.00	2138		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966426	1.00	2144		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	_	X	X	_	X	X
966427	1.00	2151		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_	X	X
CCV	1.00	2157		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	2204		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X	X	X
966695	1.00	2211		X	X	X	X	X	X	_	X	_	X	_	_	_	X	_	X	X	_	_	_	X	_	_	_	_
				_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 11/17/08 End Date: 11/17/08

EPA Sample No.	D/F	Time	% R	Analytes																								
				ALB	SBS	ABA	BEB	CDC	CAC	CRC	COC	CUC	FEF	PBP	MGM	MNM	HGH	NIN	K	SES	AGA	NAN	TLT	V	ZNZ	MOM
965664	1.00	2217		X		X			X		X		X	X	X				X							X	
966195	1.00	2224								X	X		X	X	X	X	X		X	X			X			X	
965549	1.00	2231			X	X		X	X		X		X		X				X		X	X		X		X	
965550	1.00	2237			X	X		X	X		X		X		X				X		X	X				X	
965551	1.00	2244			X	X		X	X		X		X		X				X		X	X				X	
965552	1.00	2250			X	X		X	X		X		X		X				X		X	X				X	
966453	1.00	2257							X				X		X				X							X	
966068	1.00	2304							X				X		X				X							X	
966328	1.00	2310				X		X	X		X		X		X				X			X				X	X
CCV	1.00	2317		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CCB	1.00	2324		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
ICSA	1.00	2330		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
ICSAB	1.00	2337		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CCV	1.00	2343		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CCB	1.00	2350		X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 11/18/08 End Date: 11/18/08

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
3CAL-BLK	1.00	0929		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
T3CAL1	1.00	0936		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL2	1.00	0942		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T3CAL3	1.00	0949		X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	1000																									
ICV/CCV	1.00	1012																					X	X			
ICB/CCB	1.00	1018																					X	X			
ICSA	1.00	1025																					X	X			
ICSAB	1.00	1032																					X	X			
ZZZZZZ	1.00	1038																									
ZZZZZZ	1.00	1045																									
ZZZZZZ	1.00	1052																									
BW111708	1.00	1058																						X			
LCSW	1.00	1105																									
965645D	1.00	1111																						X			
965645	1.00	1118																									
965645L	1.00	1125																						X			
CCV	1.00	1131																					X	X			
CCB	1.00	1138																					X	X			
965645MS	1.00	1146																						X			
966419	1.00	1152																						X			
966420	1.00	1159																						X			
966421	1.00	1205																						X			
966422	1.00	1212																						X			
966423	1.00	1219																						X			
ZZZZZZ	1.00	1225																									
966425	1.00	1232																						X			
966426	1.00	1239																						X			
ZZZZZZ	1.00	1245																									
CCV	1.00	1252																					X	X			
CCB	1.00	1258																					X	X			
ZZZZZZ	1.00	1305																									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25495_

Instrument ID Number: TRACE3 TJA61_ Method: P_

Start Date: 11/18/08 End Date: 11/18/08

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	MO
966695	1.00	1312																						X			
965664	20.00	1318																					X				
ZZZZZZ	1.00	1325																									
965550	1.00	1332																						X			
965551	1.00	1338																						X			
965552	1.00	1345																						X			
ICSA	1.00	1351																					X	X			
ICSAB	1.00	1358																					X	X			
CCV	1.00	1405																					X	X			
CCB	1.00	1411																					X	X			
ZZZZZZ	1.00	1432																									
ZZZZZZ	1.00	1439																						X			
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1453																									
ZZZZZZ	1.00	1500																									
ZZZZZZ	1.00	1507																									
ZZZZZZ	1.00	1513																									
ZZZZZZ	1.00	1520																									
ZZZZZZ	10.00	1527																									
ZZZZZZ	1.00	1533																									
CCV	1.00	1540																					X	X			
CCB	1.00	1546																					X	X			
ZZZZZZ	1.00	1553																									
ZZZZZZ	1.00	1600																									
ZZZZZZ	1.00	1606																									
ZZZZZZ	1.00	1613																									
ZZZZZZ	1.00	1620																									
ZZZZZZ	1.00	1626																									
ICSA	1.00	1633																					X	X			
ICSAB	1.00	1639																					X	X			
CCV	1.00	1646																					X	X			
CCB	1.00	1653																					X	X			

General Chemistry Forms

Analytical Results Summary

Lab Job No: B917
Matrix: WATER

Site: Newark PVSC
QA Batch: 1788

BOD

Lab ID	Client ID	Date Sampled	Date Analyzed	Percent Moisture	DF	Analytical Result Units: mg/l	Reporting Limit Units: mg/l
966453	Composite	11/13/08	11/14/08		1.0	ND	5.00*

* Reported RL is adjusted for Dilution Factor and/or Percent Moisture.
** The unadjusted RL for BOD = 5.0 mg/l.

QA Summary

BOD/CBOD

Matrix: WATER

Lab Sample No.: 966453

QA Batch No.: 1788

Lab Job No.: B917

Laboratory Blank	
Blank Conc Units: mg/l	Quant Limit Units: mg/l
ND	5.0

Matrix Spike				
Spike Added Units: mg/l	Sample Conc Units: mg/l	MS Conc Units: mg/l	MS % Rec	% Recovery Limits
142	ND	173	122	76-145

Matrix Spike Duplicate				
Spike Added Units: mg/l	MSD Conc Units: mg/l	MSD % Rec	% RPD	RPD Limits
142	173	122	0.0	25.0

Laboratory Control Sample				
Vendor	Lot #	True Value Units: mg/l	Range Units: mg/l	Measured Value (mg/l)
ERA	P151-516	142	87.6-192	141

Subwork

Analytical Report Cover Page 1
Case Narrative 3
Methods Summary 5
Sample Summary 6
Sample Summary 7
Data Summary Package 11
General Chemistry Data 12

There are 18 pages in this document.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. B917

TestAmerica Edison

Lot #: C8K140115

Alison Sedlak

TestAmerica Edison

TESTAMERICA LABORATORIES, INC.

Christina M. Kovitch
Project Manager

November 20, 2008

301 Alpha Drive Pittsburgh, PA 15238 tel 412.963.7058 fax 412.963.2468 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
NFESC	NA	NAVY	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#03-022-1)	WW	X
		HW	X
California – NELAC	04224CA	WW	X
		HW	X
Connecticut	(#PH-0688)	WW	X
		HW	X
Florida – NELAC	(#E87660)	WW	X
		HW	X
Illinois – NELAC	(#200005)	WW	X
		HW	X
Kansas – NELAC	(#E-10350)	WW	X
		HW	X
Louisiana – NELAC	(#93200)	WW	X
		HW	X
New Hampshire – NELAC	(#203002)	WW	X
		–	–
New Jersey – NELAC	(PA-005)	WW	X
		HW	X
New York – NELAC	(#11182)	WW	X
		HW	X
North Carolina	(#434)	WW	X
		HW	X
Pennsylvania - NELAC	(#02-00416)	WW	X
		HW	X
South Carolina	(#89014001)	WW	X
		HW	X
Utah – NELAC	(STLP)	WW	X
		HW	X
West Virginia	(#142)	WW	X
		HW	X
Wisconsin	998027800	WW	X
		HW	X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 12/28/07 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE
TestAmerica Edison
B917
LOT # C8K140115

Sample Receiving:
TestAmerica's Pittsburgh laboratory received one sample on November 14, 2008. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

General Chemistry:
There were no problems associated with the analysis.

Laboratory Chronicle - Status Summary

TestAmerica - Pittsburgh

CLIENT SAMPLE ID	LAB SAMPLE ID
20630002-1 GRAB	C8K140115-1

METHOD and PREPARATION	SAMPLE DATE	EXT DATE	PREP DATE	ACTUAL DAYS to PREP	ANALYSIS DATE	ACTUAL DAYS PREP to ANALYZED	TOTAL DAYS SAMPLED to
CFR136A 1664A S c8k140115	11/13/2008		11/19/2008	6	11/19/2008	0	6
CFR136A 1664A H c8k140115	11/13/2008		11/19/2008	6	11/19/2008	0	6

printed on: Thursday, November 20, 2008 01:28 PM

METHODS SUMMARY

C8K140115

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
N-Hexane Ext. Material, Silica Gel Treated-1664A	CFR136A 1664A S	EPA 1664A
N-Hexane Extractable Material (1664A)	CFR136A 1664A H	EPA 1664A

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

SAMPLE SUMMARY

C8K140115

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
K2XVJ	001	20630002-1 GRAB	11/13/08	10:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Industrial Department

109

PVSC41 - 00002566

TestAmerica Edison

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) **Alison Sadlak**	Samplers Name (Printed)	**Job: B917** **site: Newark PVSC**
Company **TestAmerica Edison**	P.O. # **send invoice with report**	State (Location of site): NJ: X NY: Other: Regulatory Program: **Reduced**
Address **777 New Durham Road**	Analysis Turnaround Time Standard	
City **Edison, New Jersey 08817**	Rush Charges Authorized For: 2 Week	
Phone **732-549-3900** Fax **732-5493679**	1 Week HC 11/28/08 Other Data 11/21	

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of. Cont.	1664 O&G and TPH											LAB USE ONLY Sample Numbers
20630002-1 Grab	11/13/2008	10:00	Aq	2	2											
Soil:																
Water:					2											

LAB USE ONLY
Project No:
Job No:

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other BAK, 7 = Other NaOH&ZnAC

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
	TestAmerica Edison	11/14/08 0920	1) Jm Vienie	TA Pittsburgh
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Test America Pittsburgh				

TestAmerica Edison

B917

EPA Request #: III.B.1.e.

Cooler Receipt Form
TestAmerica Pittsburgh

Client: TA Edison Project: B917 Quote: _____

Cooler Rec'd & Opened for Temp. Check on: 11/14/08

Coolers Opened and Unpacked on: 11/14/08 By: [signature] (Signature)

TestAmerica Pittsburgh Lot Number: _____

	Yes	No	NA
1. Were custody seals on the outside of the cooler?		✓	
If YES, how many and where? Quantity 0 Location —			
Were signatures and date correct?			✓
2. Were custody papers included inside the cooler?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did you sign the custody papers in the appropriate place?	✓		
5. Was shippers packing slip attached to this form?	✓		
6. Were packing materials used?	✓		
If YES, what type? Bubble Bags			
7. Were the samples received within the acceptable temperature range?	✓		
8. Were the samples appropriately preserved?	✓		
9. Were all bottles sealed in separate plastic bags?	✓		
10. Did all bottles arrive in good condition (unbroken)?	✓		
11. Were all bottle labels complete (sample ID, preservatives. etc.)?	✓		
12. Did all bottle labels and/or tags agree with custody papers?	✓		
13. Were correct bottles used for tests indicated?	✓		
14. Were all VOA vials checked for the presence of air bubbles?			✓
15. Was a sufficient amount of sample sent in each bottle?	✓		

16. Samples received by: FEDEX (UPS) CLIENT DROP-OFF OTHER DHL US CARGO

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

TA PT/Mar-08/96-005/COOL.DOC

Cooler Receipt Form

TestAmerica Pittsburgh

P: Preserved
UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2			
20630002-1						<2									

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer ID
1	2.0	1

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

If samples required preservation in the laboratory, the following lot number(s) was/were used:

Nitric Acid _____ Hydrochloric Acid _____

Sulfuric Acid _____ Sodium Hydroxide _____

TA PT/Mar-08/96-005/COOL.DOC

22 LBS

1 OF 1

SAMPLE MANAGER
(732) 549-3900
TESTAMERICA-EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

SHIP TO:
CHRIS KOVITCH
(412) 963-7058
TEST AMERICA PITTSBURGH
RIDC PARK
301 ALPHA DRIVE
PITTSBURGH PA 15238-2907

PA 152 9-20

NEXT DAY AIR 1

H: 1Z 083 95E 01 4850 0796

BILLING: F/C BILL RECEIVER

APPLIED

DATA SUMMARY PACKAGE

GENERAL CHEMISTRY DATA

This is the Last Page of the Document