71,986.÷
31.=
2,322.12903225*

2,322.12903225*
10.%
232.2129032258*

232.2129032222+
2,554.34193547*

AW 61e

PRETREATMENT MONITORING REPORT

FEB 1 3 2009

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		
01	01	09	01	31	09
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day	N/A	100,000
Total Flow-gal/day	~~14,460~~ 2,322	~~18,000~~ 2,554

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

Production Rate (if applicable)

PARAMETER		MASS OR CONCENTRATION			# OF SAMPLES	SAMPLE TYPE COMP/GRAB
		MON AVG	Daily Max	UNITS		
BIOCHEMICAL OX	Sample Measurement	47.8		Mg/l	1	Comp
	Permit Requirement	*		Mg/l		
Cd	Sample Measurement	<0.0005		Mg/l	1	Comp
	Permit Requirement	0.19		Mg/l		
Cu	Sample Measurement	0.017		Mg/l	1	Comp
	Permit Requirement	3.02		Mg/l		
Pb	Sample Measurement	0.0058		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	<0.0039		Mg/l	1	Comp
	Permit Requirement	5.9		Mg/l		
Zn	Sample Measurement	0.059		Mg/l	1	Comp
	Permit Requirement	1.67		Mg/l		
PETROL. HYDR. (SGT-HEM)	Sample Measurement		<5.0	Mg/l	1	Grab
	Permit Requirement		100	Mg/l		
Total VOC	Sample Measurement		0.265	Mg/l	1	Grab
	Permit Requirement		*	Mg/l		

MAR 2009 1st Input Industrial Dept.

MAR 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

RECEIVED
FEB 1 3 2009
INDUSTRIAL DEPARTMENT

PRETREATMENT MONITORING REPORT

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 March 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

Signature of Principal

Executive or Authorized Agent

David Koury

Project Manager

Type Name and Title

2/13/09

Date

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

Jan 23, 2009

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. D845 - Newark PVSC

Dear Ms. Marroni:

Enclosed are the results you requested for the following sample(s) received at our laboratory on January 9, 2009.

Lab No.	Client ID	Analysis Required
978496	20630002-1_Grab	TTO VOA
		1664 SGT HEM PITT
978497	20630002-1_Comp	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

2/4/2009

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	
12/11/2008	00148300	00154400	6,100	154,086	TestAmerica Sampled 12/8-12/9
12/15/2008	00154400	00186600	32,200	186,286	
12/18/2008	00186600	00195900	9,300	195,586	
12/31/2008	00195900	00228800	32,900	228,486	
1/9/2009	00228800	00245500	16,700	245,186	TestAmerica Sampled 1/8-1/9
1/14/2009	00245500	00260500	15,000	260,186	
1/21/2009	00260500	00274700	14,200	274,386	
1/26/2009	00274700	00292700	18,000	292,386	
1/29/2009	00292700	00301100	8,400	300,786	last day of discharge for January

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

CHAIN OF CUSTODY / ANALYSIS REQUEST

TestAmerica Edison Field Services

Page 1 of 1

Name (for report and invoice)	Ms. Tracy Straka
Company	Creamer Environmental, Inc.
Address	215 Union Street
City	Hackensack
State	NJ
Phone	201-988-4800
Fax	
Samplers Name (Printed)	D Lewkowicz
P.O. #	
Site/Project Identification	Newark PVSC
State (Location of site):	NJ: X NY: ☐ Other:
Regulatory Program:	

Analysis Turnaround Time: Standard X; Rush Charges Authorized For: 2 Week ☐, 1 Week ☐, Other ☐

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	LAB USE ONLY Sample Numbers
20630002-1 Grab	1/9/09	1135	AQ	5	X	X			978496
20630002-1 Composite	1/8-9/09	1100	AQ	2			X	X	" 497

LAB USE ONLY: Project No: 933822; Job No: D845

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 — 2°C — #90

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1)	TestAmerica	1/9/09 1530	1)	
2)			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)

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Analytical Results Summary

Client ID: **20630002-1_Grab**
Site: Newark PVSC

Lab Sample No: **978496**
Lab Job No: D845

Date Sampled: 01/09/09
Date Received: 01/09/09
Date Analyzed: 01/14/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34030.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	48	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	140	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	77	0.4
Acrolein	ND	6.6
Acrylonitrile	ND	3.1

Client ID: **20630002-1 Comp**
Site: **Newark PVSC**

Lab Sample No: 978497
Lab Job No: D845

Date Sampled: 01/09/09
Date Received: 01/09/09

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Cadmium	ND	0.50		P
Copper	17.1	3.1	B	P
Lead	5.8	2.2		P
Mercury	ND	0.10		CV
Nickel	ND	3.9		P
Zinc	58.8	5.8		P

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

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

General Chemistry

Client Sample ID: **20630002-1 Grab**

Lab Sample ID: 220-7792-1
Client Matrix: Water

Date Sampled: 01/09/2009 1135
Date Received: 01/13/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM	1.9	J	mg/L	1.7	5.0	1.0	1664A
	Anly Batch: 220-23776	Date Analyzed		01/13/2009 2030			
SGT-HEM	5.0	U	mg/L	0.62	5.0	1.0	1664A
	Anly Batch: 220-23776	Date Analyzed		01/13/2009 2030			

General Information

Chain of Custody

Laboratory Chronicles

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
TestAmerica Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: D845 **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
978496	1/9/2009	1/9/2009			1/14/2009	Del Polito, Vita	1903

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
TestAmerica Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: D845
Site: Newark PVSC
Client: Creamer Environmental, Inc.
Date Sampled: 1/9/2009
Sample No.: 978497
Date Received: 1/9/2009
Matrix: WATER

METALS

Analytic Parameter	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
MERCURY	1/14/2009	Sanagavarapu, Suguna	1/14/2009	Sanagavarapu, Suguna	25764
CADMIUM	1/14/2009	Yang, Qin	1/14/2009	Polidori, Michael	25764
COPPER	1/14/2009	Yang, Qin	1/14/2009	Polidori, Michael	25764
LEAD	1/14/2009	Yang, Qin	1/14/2009	Polidori, Michael	25764
NICKEL	1/14/2009	Yang, Qin	1/14/2009	Polidori, Michael	25764
ZINC	1/14/2009	Yang, Qin	1/14/2009	Polidori, Michael	25764

INTERNAL CUSTODY RECORD
AND
LABORATORY CHRONICLE
TestAmerica Edison

777 New Durham Road, Edison, New Jersey
08817

Job No: D845 **Site:** Newark PVSC

Client: Creamer Environmental, Inc.

WET CHEM

BOD

Lab Sample ID	Date Sampled	Date Received	Preparation Date	Technician's Name	Analysis Date	Analyst's Name	QA Batch
WATER							
978497	1/9/2009	1/09/2009			1/15/2009	Staib, Patricia	1813

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 1020 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 # : D845

Client: Creamer Environmental, Inc.

Date: 1/23/2009

Sample Receipt:

Sample delivery conforms with requirements.

Volatile Organic Analysis (GC/MS):

QA batch 1903: MS % recovery of Trichloroethene is outside of Q.C. limits (sample amount is too high for spike level). Blank spike meets all QC limits.

Metals:

All data conforms with method requirements.

Wet Chemistry:

BOD in sample # 978497 was analyzed outside of hold time. Initial analysis did not show any acceptable oxygen depletion.

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: **20630002-1_Grab**
Site: Newark PVSC

Lab Sample No: **978496**
Lab Job No: D845

Date Sampled: 01/09/09
Date Received: 01/09/09
Date Analyzed: 01/14/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34030.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	48	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	140	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	77	0.4
Acrolein	ND	6.6
Acrylonitrile	ND	3.1

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34030.d
Report Date: 17-Jan-2009 11:12

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34030.d
Lab Smp Id: 978496 Client Smp ID: 20630002-1_Grab
Inj Date : 14-JAN-2009 07:50
Operator : Inst ID: VOAMS3.i
Smp Info : 978496
Misc Info : D845;1903;;VDP
Comment :
Method : /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/624_08.m
Meth Date : 14-Jan-2009 08:30 delpolit Quant Type: ISTD
Cal Date : 06-JAN-2009 00:25 Cal File: c33740.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TTO.sub
Target Version: 3.50

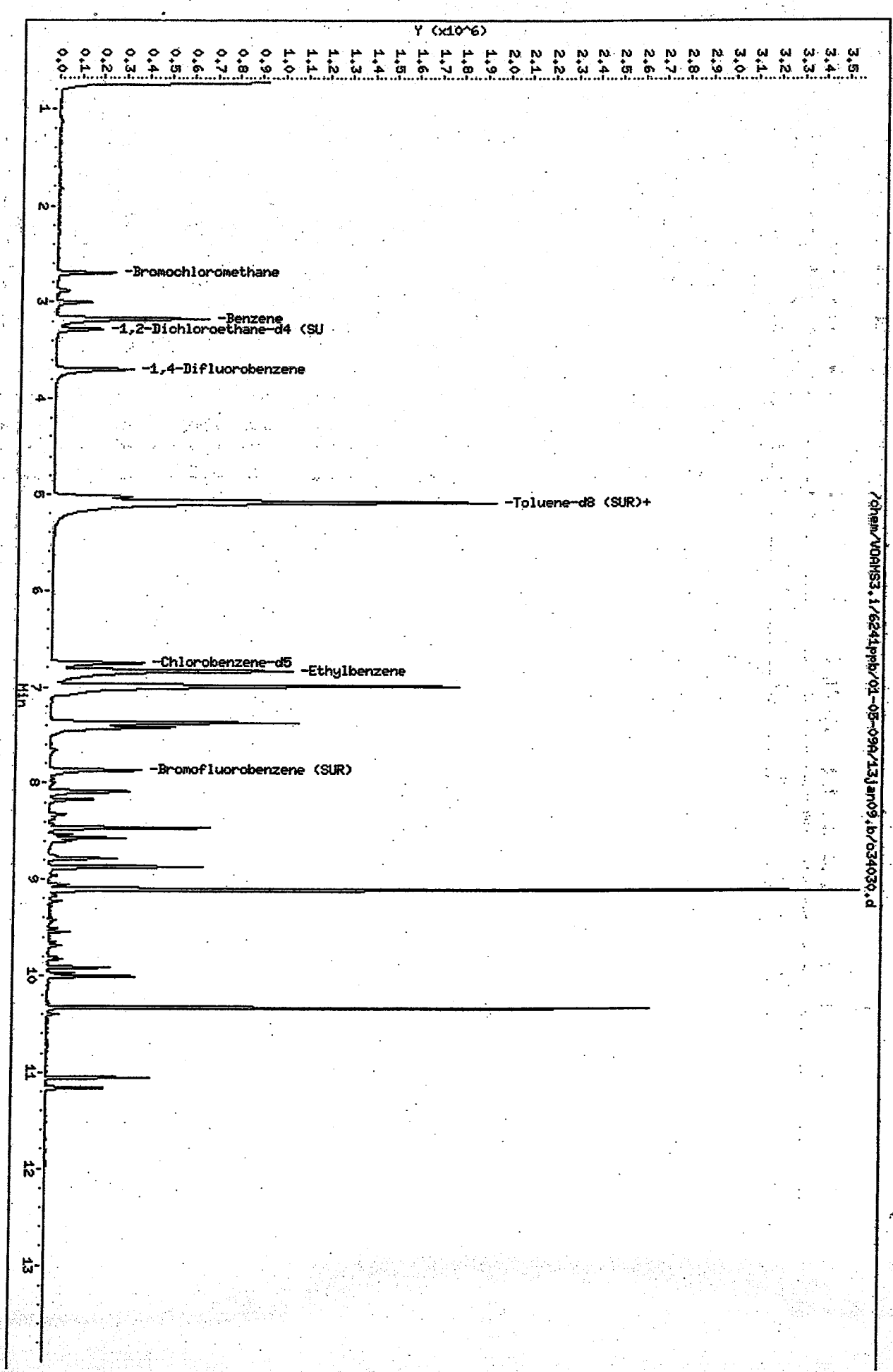
VM 1/17/09

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	2.702	2.702	(1.000)	60430	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	3.292	3.288	(0.889)	18469	32.0356	32
28 Benzene	78	3.176	3.176	(0.858)	663063	47.8853	48
* 19 1,4-Difluorobenzene	114	3.702	3.702	(1.000)	348723	30.0000	
$ 37 Toluene-d8 (SUR)	98	5.028	5.028	(0.744)	379350	29.2835	29
38 Toluene	91	5.083	5.083	(0.753)	2401179	137.620	140
* 32 Chlorobenzene-d5	117	6.755	6.755	(1.000)	311718	30.0000	
40 Ethylbenzene	106	6.836	6.832	(1.012)	387595	76.8367	77
$ 41 Bromofluorobenzene (SUR)	174	7.871	7.871	(1.165)	124297	29.4770	29


Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/o34030.d
Date : 14-JAN-2009 07:50
Client ID: 20630002-1_Grab
Sample Info: 978496
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAMS3.i
Operator:
Column diameter: 0.18
/chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/o34030.d
Y (x10^6)
-Bromochloromethane
-Benzene
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)+
-Chlorobenzene-d5
-Ethylbenzene
-Bromofluorobenzene (SUR)
Min

MM 1/17/09

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34030.d

Date : 14-JAN-2009 07:50

Client ID: 20630002-1_Grab

Instrument: VOAMS3.i

Sample Info: 978496

Purge Volume: 5.0

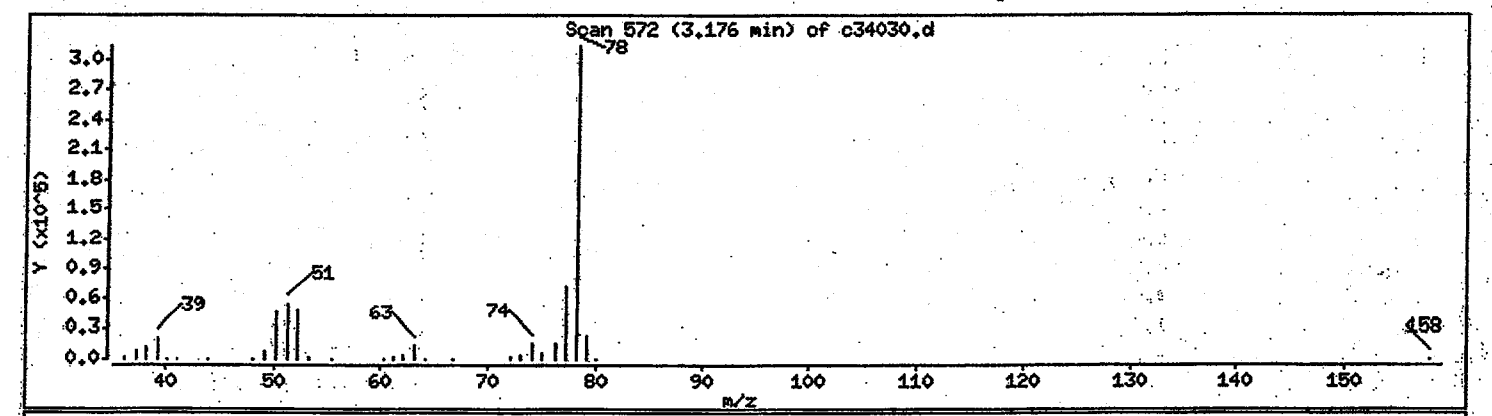
Operator:

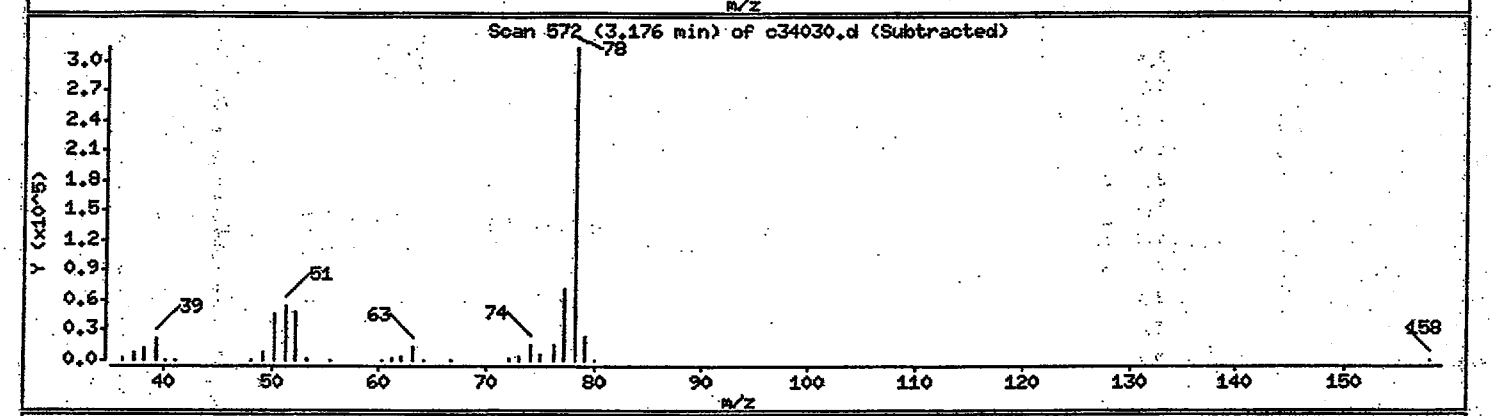
Column phase: Rtx-VMS

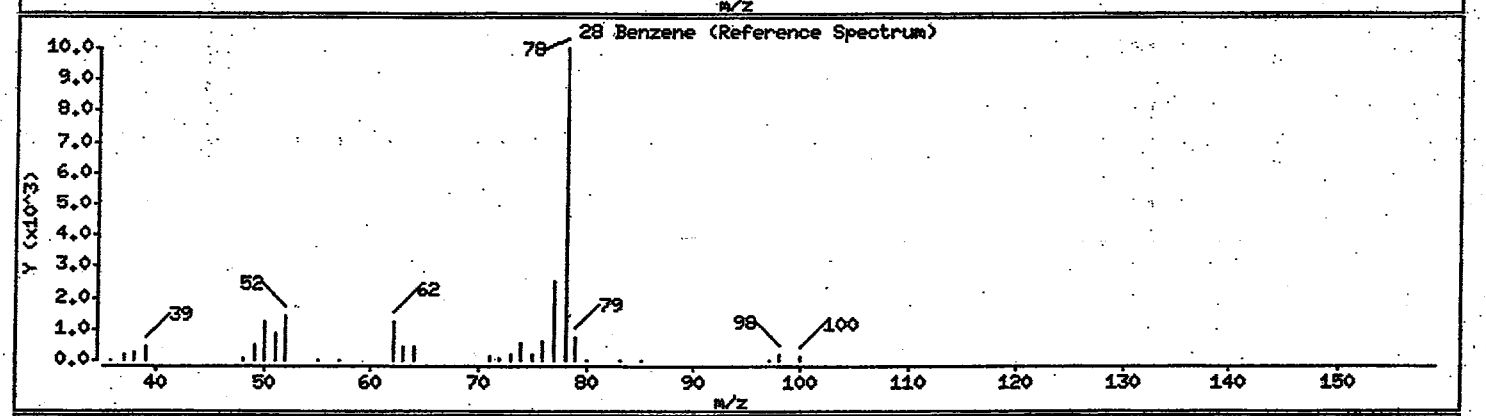
Column diameter: 0.18

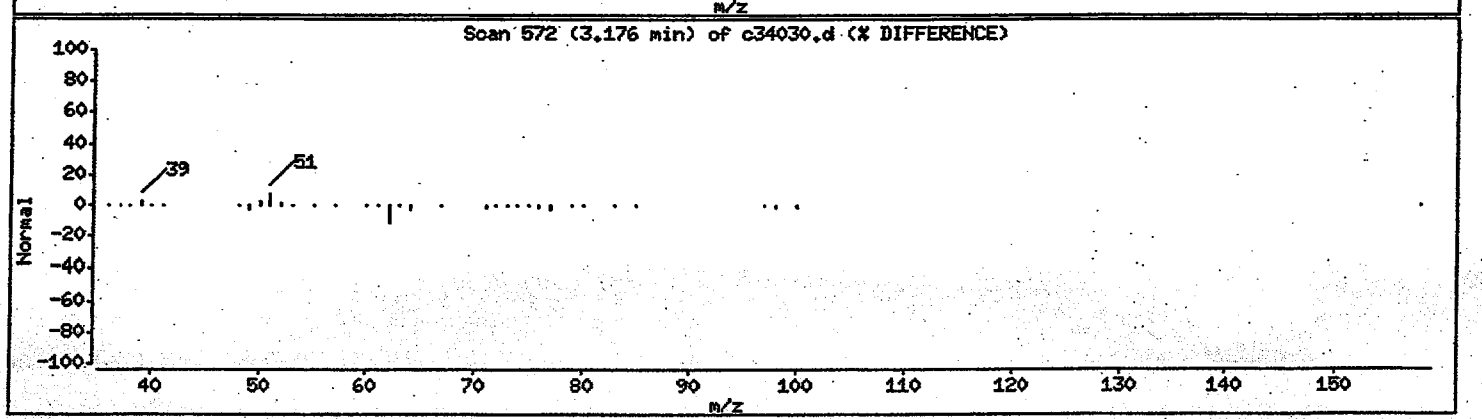
28 Benzene

Concentration: 48 ug/L









Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34030.d

Date : 14-JAN-2009 07:50

Client ID: 20630002-1_Grab

Instrument: VOAMS3.i

Sample Info: 978496

Purge Volume: 5.0

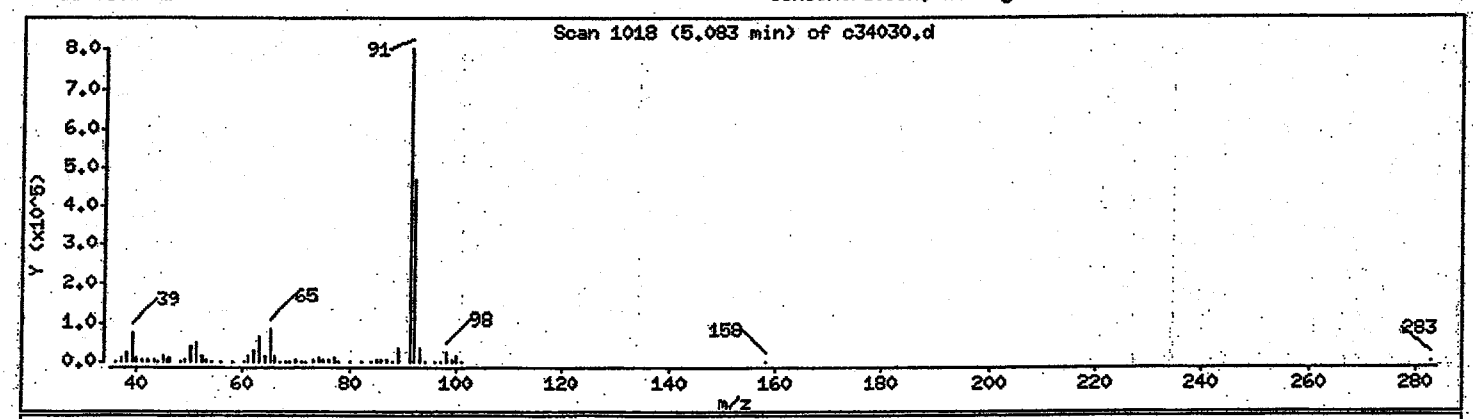
Operator:

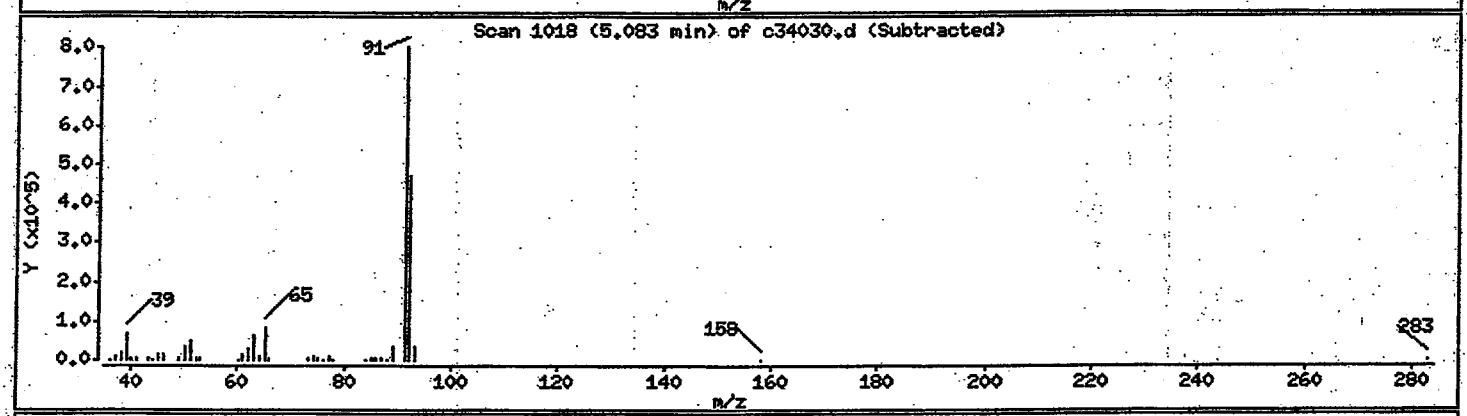
Column phase: Rtx-VMS

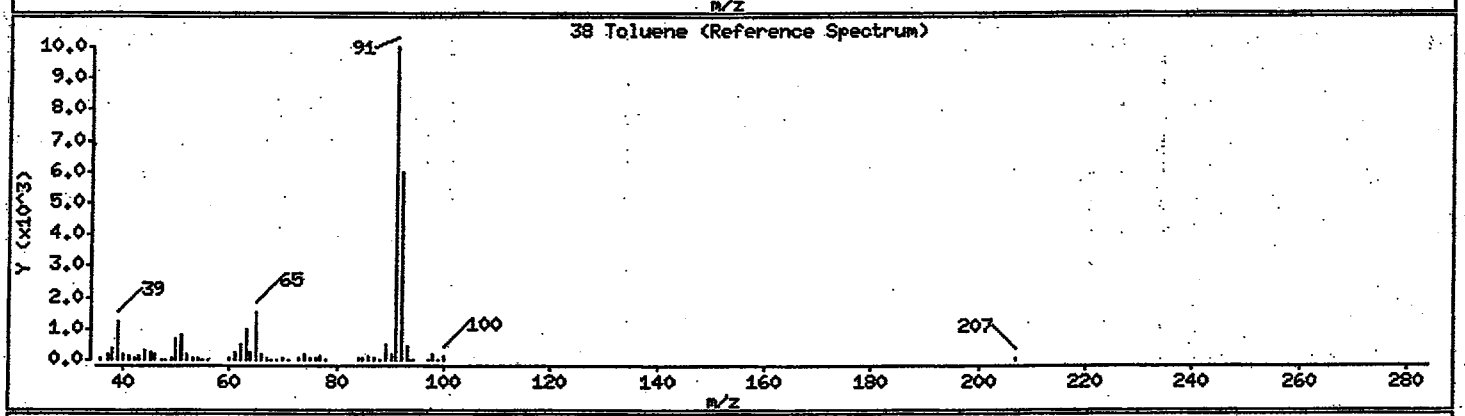
Column diameter: 0.18

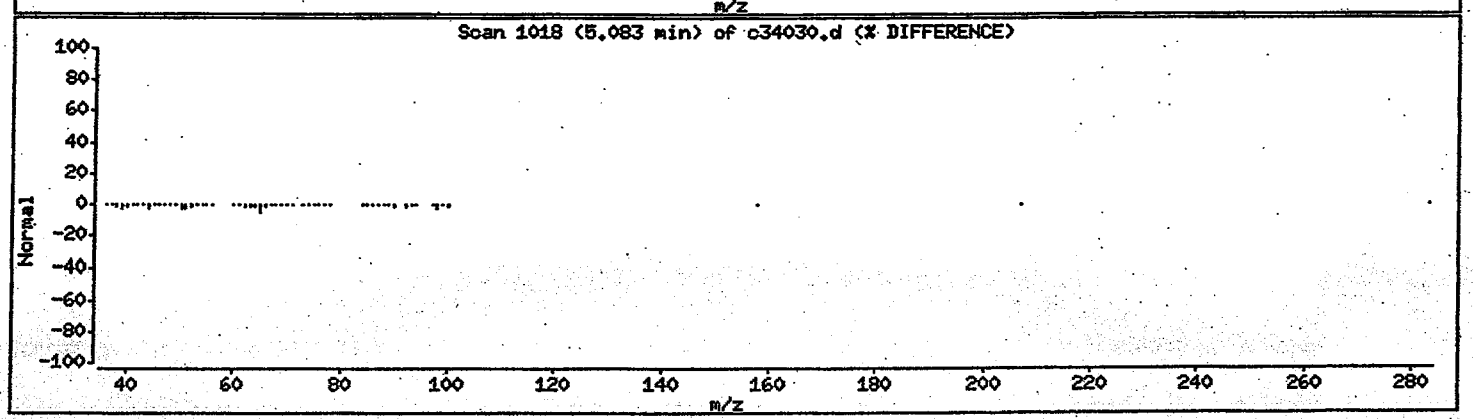
38 Toluene

Concentration: 140 ug/L









Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34030.d

Date : 14-JAN-2009 07:50

Client ID: 20630002-1_Grab

Instrument: VOAMS3.i

Sample Info: 978496

Purge Volume: 5.0

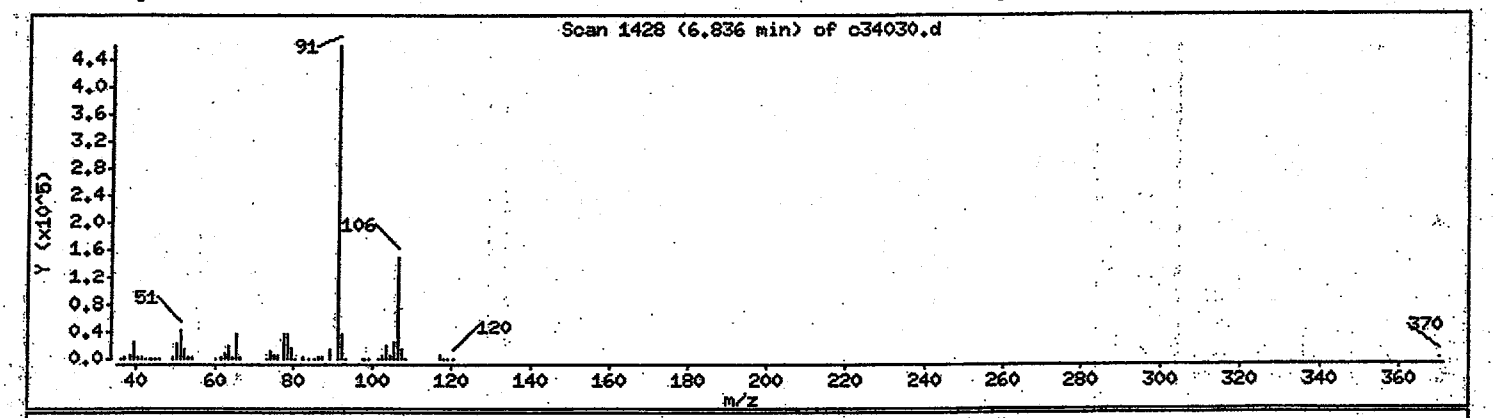
Operator:

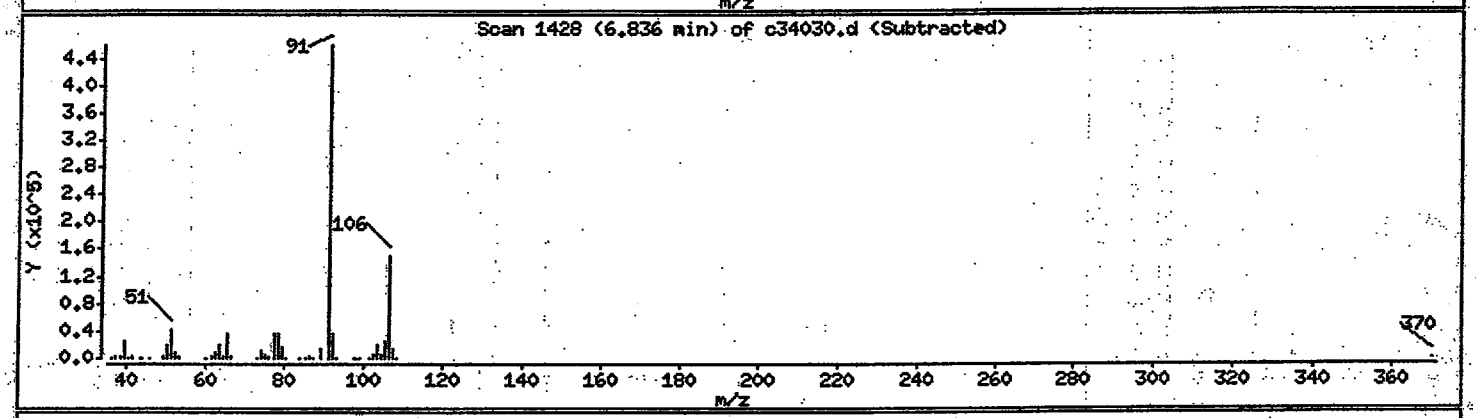
Column phase: Rtx-VMS

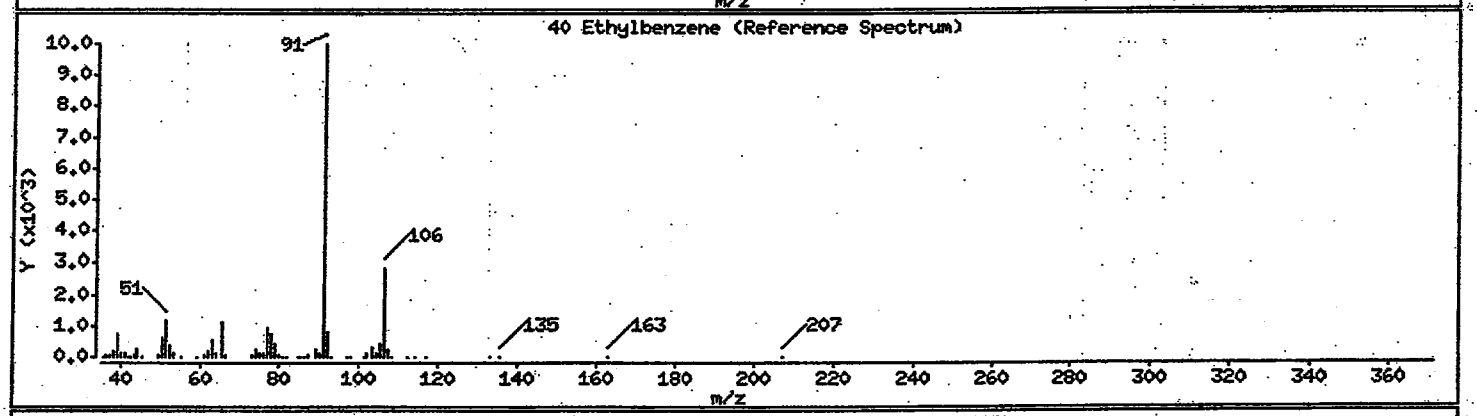
Column diameter: 0.18

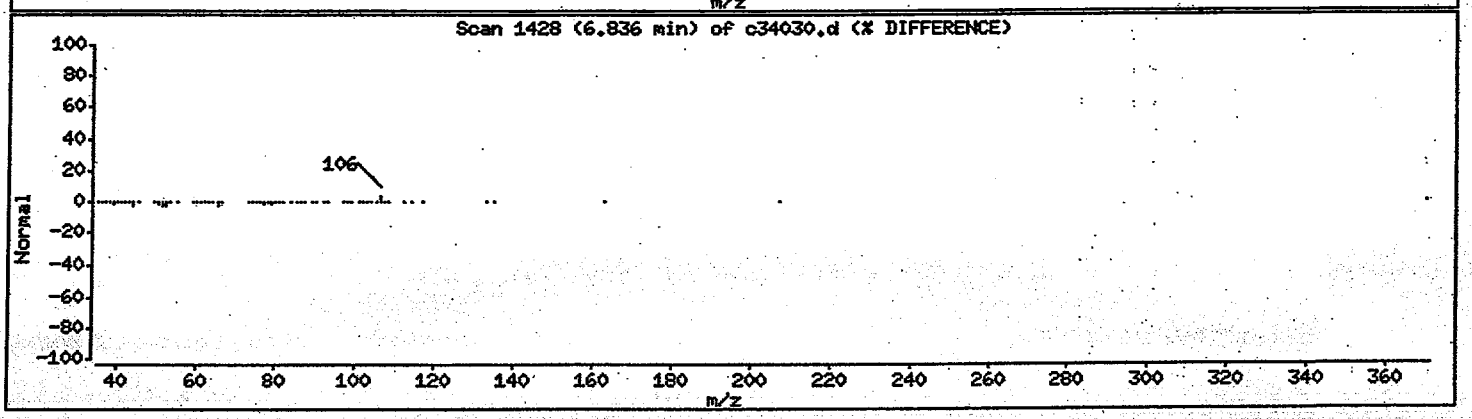
40 Ethylbenzene

Concentration: 77 ug/L









Tuning Results Summary

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: C33737

BFB Injection Date: 01/05/09

Instrument ID: VOAMS3

BFB Injection Time: 2318

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.1
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	86.5
175	5.0 - 9.0% of mass 174	6.9 (8.0)1
176	95.0 - 101.0% of mass 174	83.3 (96.3)1
177	5.0 - 9.0% of mass 176	6.4 (7.7)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	CSTD005	CSTD005	C33742	01/06/09	0110
02	CSTD020	CSTD020	C33743	01/06/09	0132
03	CSTD050	CSTD050	C33744	01/06/09	0154
04	CSTD200	CSTD200	C33745	01/06/09	0216
05	CSTD500	CSTD500	C33746	01/06/09	0239
06					
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22					

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Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/05jan09a.b/c33737.d

Date : 05-JAN-2009 23:18

Client ID:

Instrument: VOAMS3.i

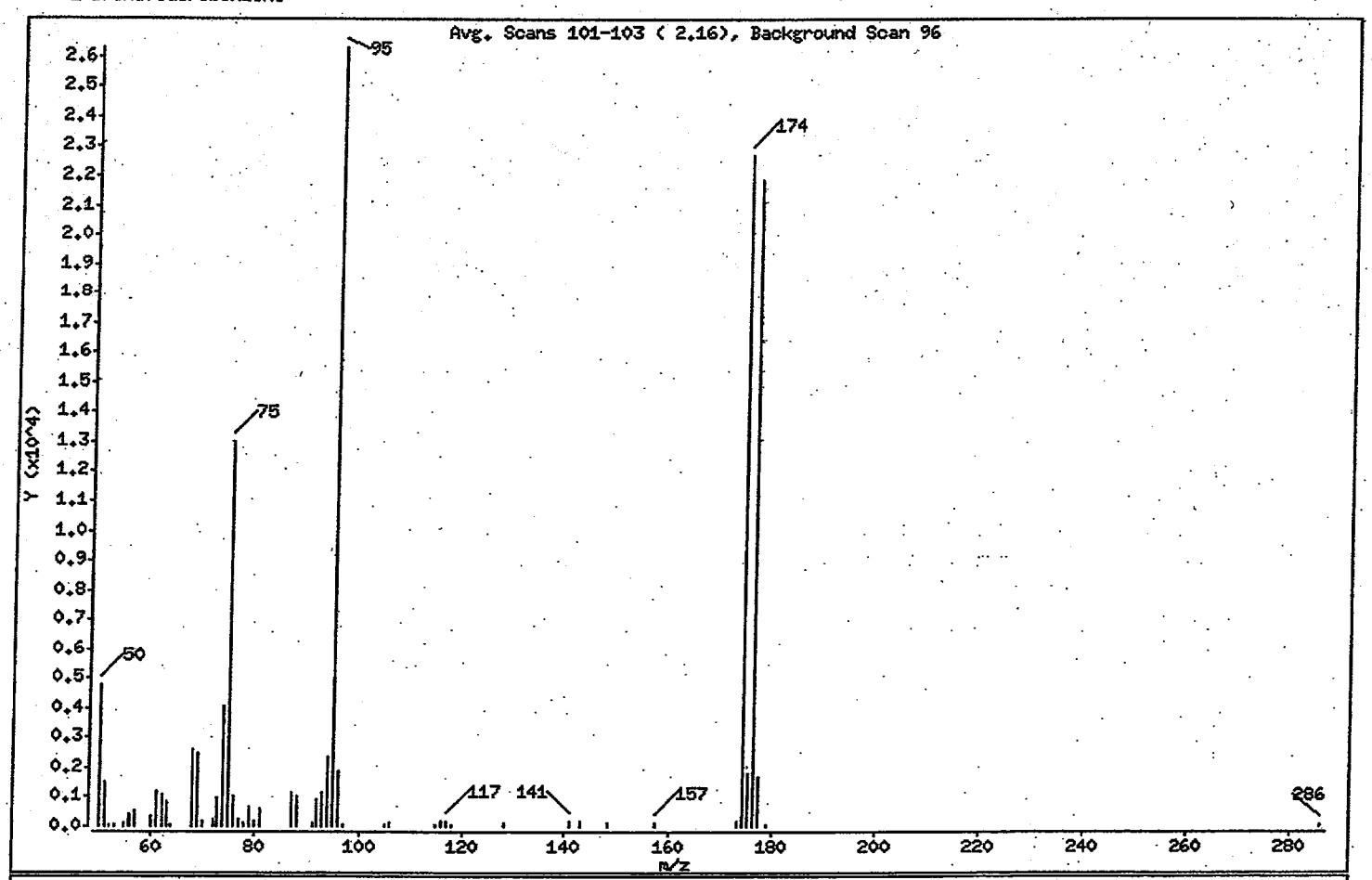
Sample Info: CBFB005a

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	18.15
75	30.00 - 60.00% of mass 95	49.36
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.72 (0.83)
174	50.00 - 100.00% of mass 95	86.50
175	5.00 - 9.00% of mass 174	6.95 (8.03)
176	95.00 - 101.00% of mass 174	83.33 (96.33)
177	5.00 - 9.00% of mass 176	6.38 (7.65)

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/05jan09a.b/c33737.d

Date : 05-JAN-2009 23:18

Client ID:

Instrument: VOAMS3.i

Sample Info: CBFB005a

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: c33737.d

Spectrum: Avg. Scans 101-103 (2.16), Background Scan 96

Location of Maximum: 95.00

Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	4772	70.00	167	92.00	921	143.00	164
51.00	1494	72.00	252	93.00	1140	148.00	122
52.00	85	73.00	995	94.00	2354	157.00	137
53.00	58	74.00	4047	95.00	26288	173.00	188
55.00	129	75.00	12977	96.00	1867	174.00	22744
56.00	420	76.00	1027	97.00	59	175.00	1827
57.00	527	77.00	223	105.00	56	176.00	21904
60.00	341	78.00	93	106.00	124	177.00	1677
61.00	1225	79.00	660	115.00	60	179.00	61
62.00	1113	80.00	189	116.00	188	286.00	68
63.00	829	81.00	609	117.00	189		
64.00	64	87.00	1163	118.00	56		
68.00	2606	88.00	1007	128.00	123		
69.00	2493	91.00	124	141.00	170		

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/05jan09a.b/c33737.d

Date : 05-JAN-2009 23:18

Client ID:

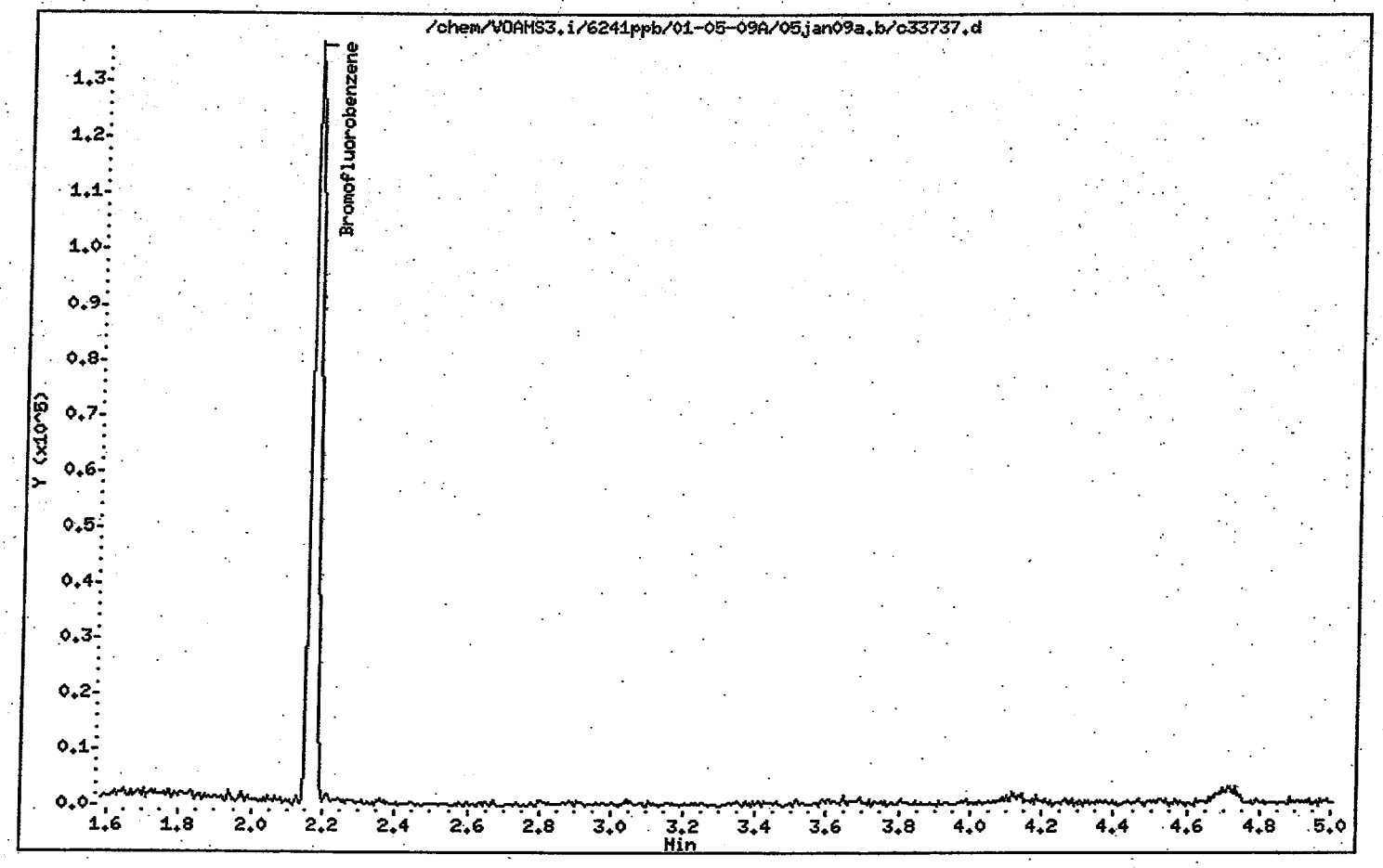
Instrument: VOAMS3.i

Sample Info: CBFB005a

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab File ID: C33984 BFB Injection Date: 01/13/09

Instrument ID: VOAMS3 BFB Injection Time: 1028

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.0
75	30.0 - 60.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	50.0 - 100.0% of mass 95	91.9
175	5.0 - 9.0% of mass 174	7.4 (8.1)1
176	95.0 - 101.0% of mass 174	91.6 (99.7)1
177	5.0 - 9.0% of mass 176	5.4 (5.9)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	CSTD013	CSTD013	C33986	01/13/09	1134
02	CV013B	CV013B	C34018	01/13/09	2345
03	20630002-1_G	978496	C34030	01/14/09	0750
04					
05					
06					
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12					
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19					
20					
21					
22					

page 1 of 1

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c33984.d

Date : 13-JAN-2009 10:28

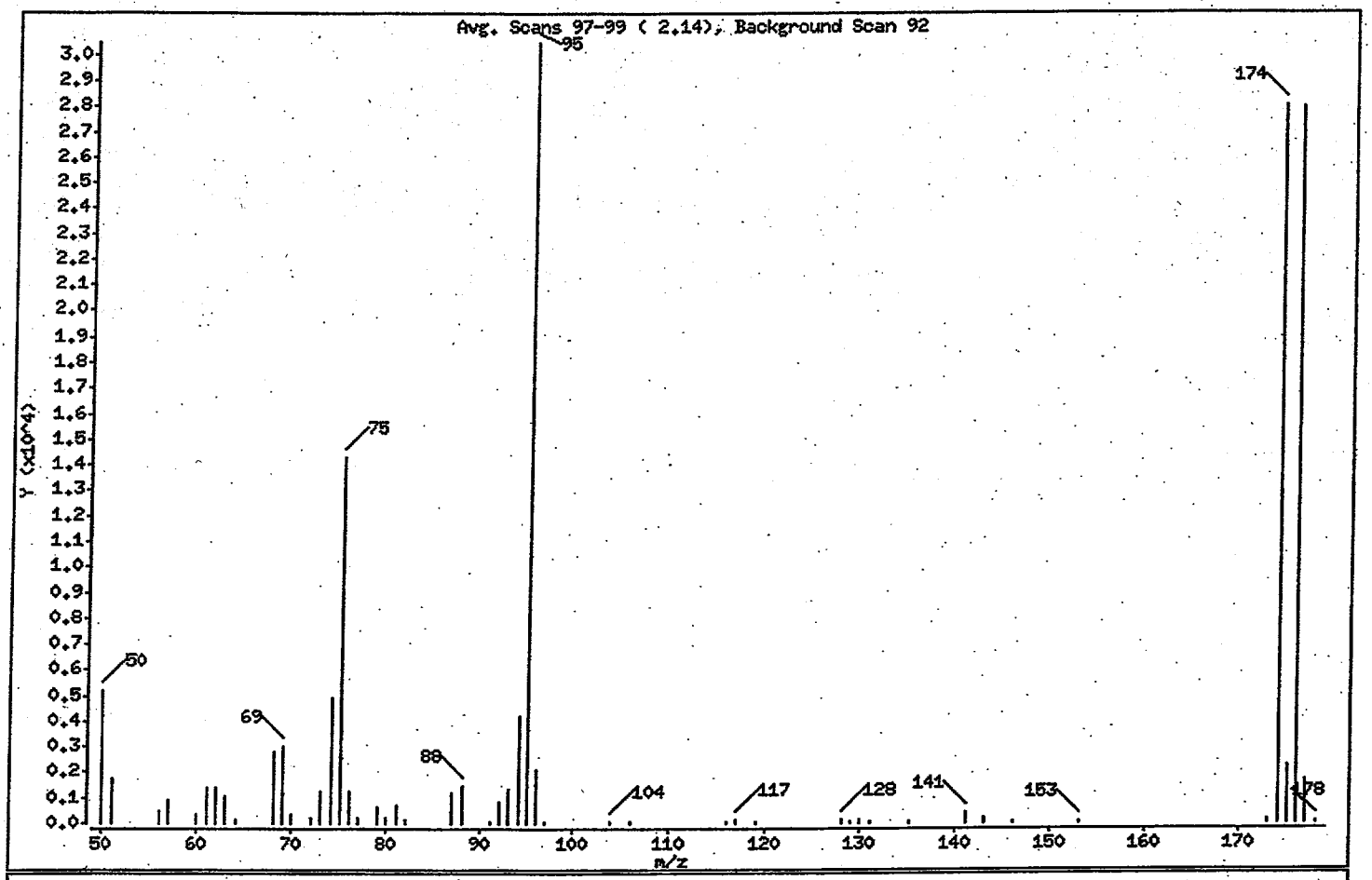
Client ID: Instrument: VOAMS3.i

Sample Info: CBFB013

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	16.96
75	30.00 - 60.00% of mass 95	46.98
96	5.00 - 9.00% of mass 95	6.83
173	Less than 2.00% of mass 174	0.48 (0.52)
174	50.00 - 100.00% of mass 95	91.92
175	5.00 - 9.00% of mass 174	7.43 (8.09)
176	95.00 - 101.00% of mass 174	91.63 (99.69)
177	5.00 - 9.00% of mass 176	5.44 (5.94)

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c33984.d

Date : 13-JAN-2009 10:28

Client ID:

Instrument: VOAMS3.i

Sample Info: CBFB013

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53

Data File: c33984.d

Spectrum: Avg. Scans 97-99 (2.14), Background Scan 92

Location of Maximum: 95.00

Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	5170	73.00	1253	93.00	1351	131.00	55
51.00	1724	74.00	4891	94.00	4184	135.00	55
56.00	518	75.00	14319	95.00	30472	141.00	386
57.00	889	76.00	1258	96.00	2082	143.00	217
60.00	347	77.00	245	97.00	57	146.00	54
61.00	1422	79.00	630	104.00	58	153.00	60
62.00	1412	80.00	233	106.00	58	173.00	146
63.00	1045	81.00	715	116.00	59	174.00	28008
64.00	110	82.00	145	117.00	107	175.00	2265
68.00	2831	87.00	1225	119.00	99	176.00	27920
69.00	2981	88.00	1503	128.00	160	177.00	1659
70.00	338	91.00	52	129.00	53	178.00	58
72.00	178	92.00	857	130.00	139		

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c33984.d

Date : 13-JAN-2009 10:28

Client ID:

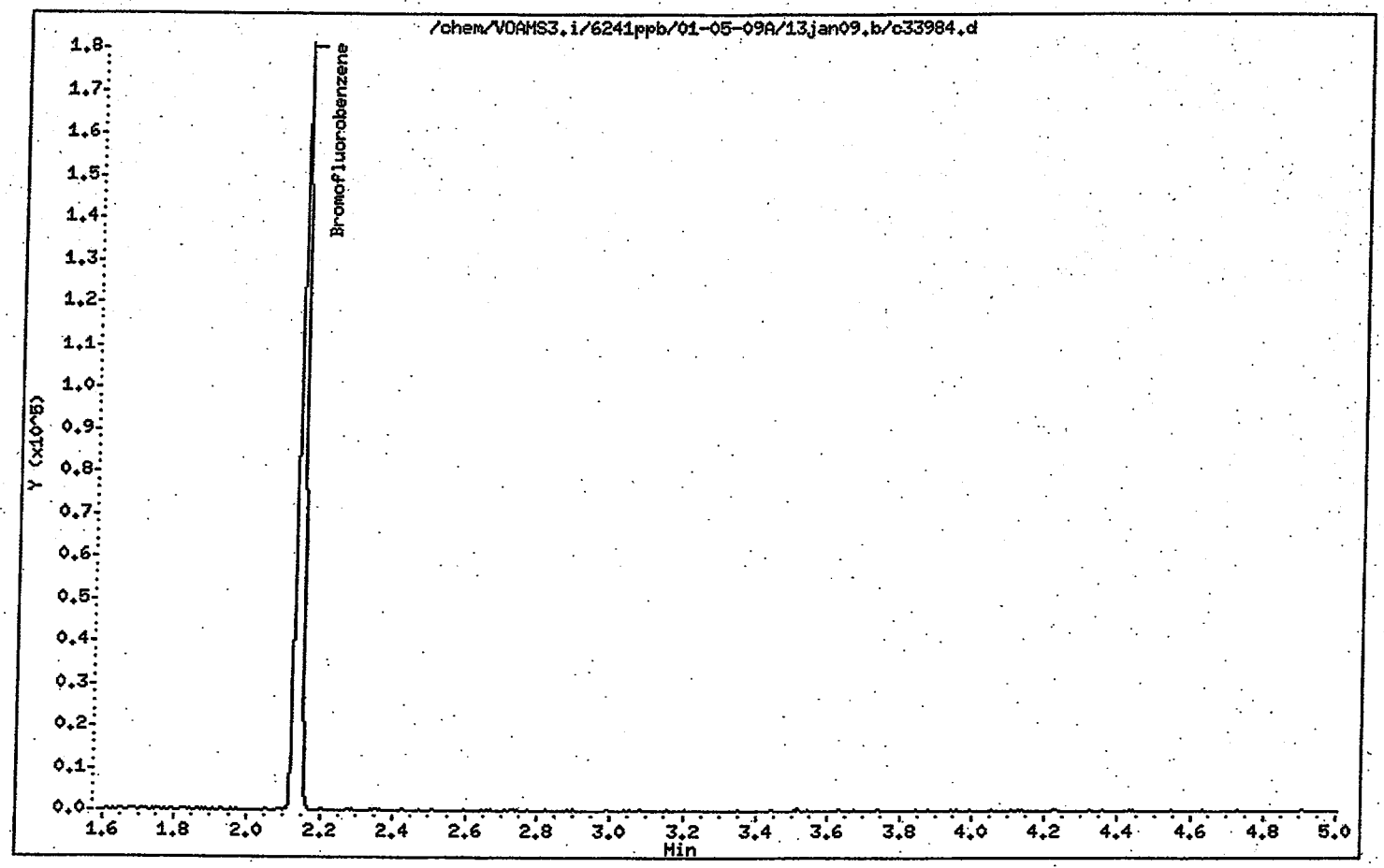
Instrument: VOAMS3.i

Sample Info: CBFB013

Operator: VOAMS 1

Column phase: DB-624

Column diameter: 0.53



Method Blank Results Summary

LAB SAMPLE NO.

CV013B

VOLATILE METHOD BLANK SUMMARY

Matrix: WATER

Level: LOW

Lab File ID: C34018

Instrument ID: VOAMS3

Date Analyzed: 01/13/09

Time Analyzed: 2345

Heated Purge (Y/N) N

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

	CLIENT ID.	LAB SAMPLE NO	LAB FILE ID	TIME ANALYZED
01	20630002-1_GRAB	978496	C34030	0750
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
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COMMENTS:

page 1 of 1

Client ID: **CV013B**
Site:

Lab Sample No: **CV013B**
Lab Job No: D845

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/13/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34018.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: **CV013B**
Site:

Lab Sample No: **CV013B**
Lab Job No: D845

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/13/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34018.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: **CV013B**
Site:

Lab Sample No: **CV013B**
Lab Job No: D845

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/13/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34018.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: **CV013B**
Site:

Lab Sample No: **CV013B**
Lab Job No: D845

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/13/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34018.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: **CV013B**
Site:

Lab Sample No: **CV013B**
Lab Job No: D845

Date Sampled: _____
Date Received: _____
Date Analyzed: 01/13/09
GC Column: Rtx-VMS
Instrument ID: VOAMS3.i
Lab File ID: c34018.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.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Data File: /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34018.d
Report Date: 17-Jan-2009 11:11

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

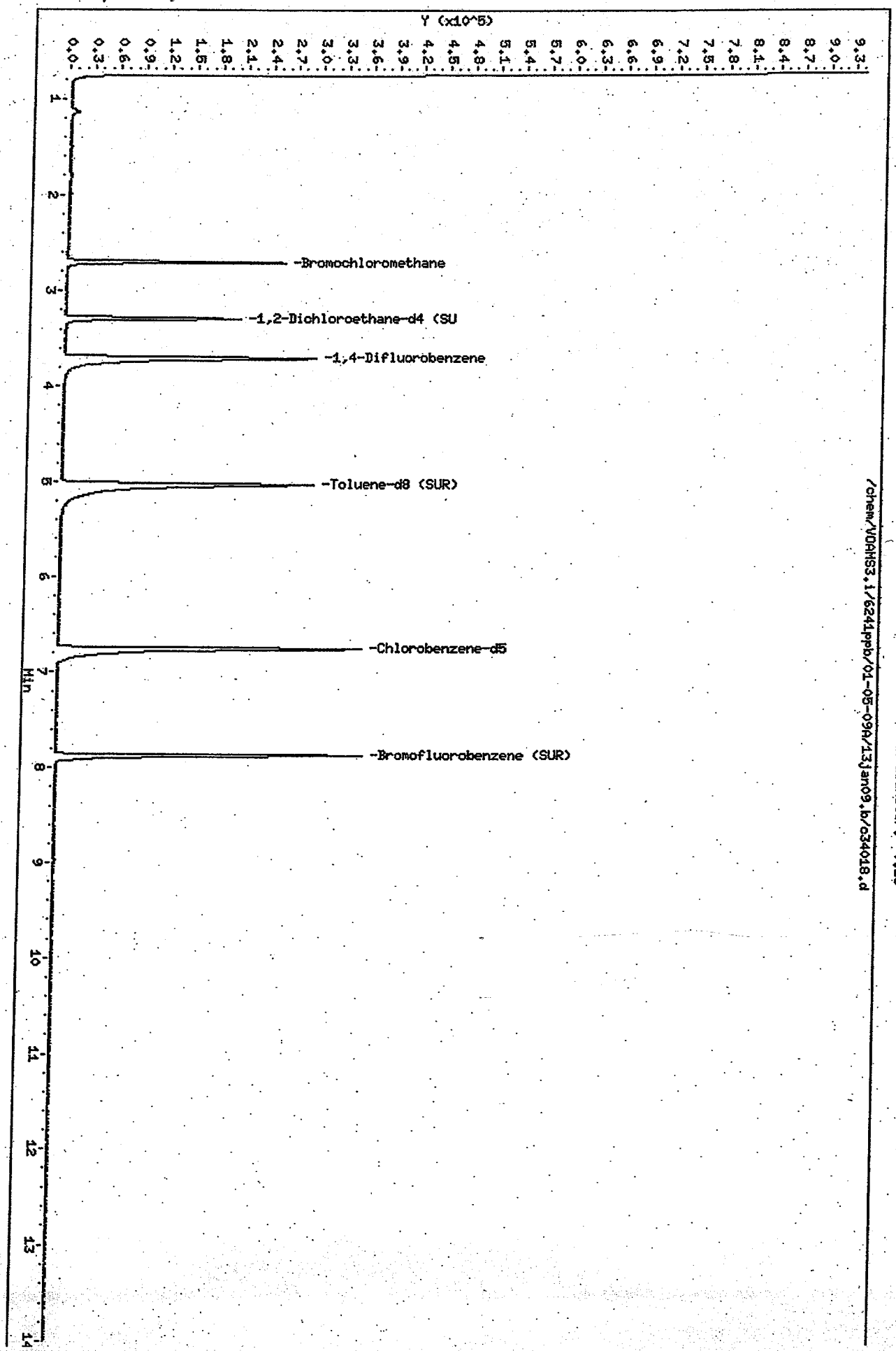
Data file : /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/c34018.d
Lab Smp Id: CV013B Client Smp ID: CV013B
Inj Date : 13-JAN-2009 23:45
Operator : Inst ID: VOAMS3.i
Smp Info : CV013B
Misc Info :
Comment :
Method : /chem/VOAMS3.i/6241ppb/01-05-09A/13jan09.b/624_08.m
Meth Date : 14-Jan-2009 08:30 delpolit Quant Type: ISTD
Cal Date : 06-JAN-2009 00:25 Cal File: c33740.d
Als bottle: 33 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

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	2.706	2.702	(1.000)	61898	30.0000	
$ 16 1,2-Dichloroethane-d4 (SUR)	104	3.292	3.288	(0.889)	19236	32.0504	32
* 19 1,4-Difluorobenzene	114	3.702	3.702	(1.000)	363037	30.0000	
$ 37 Toluene-d8 (SUR)	98	5.028	5.028	(0.744)	382023	30.9073	31
* 32 Chlorobenzene-d5	117	6.759	6.755	(1.000)	297422	30.0000	
$ 41 Bromofluorobenzene (SUR)	174	7.871	7.871	(1.164)	111287	27.6602	28


Data File: /chem/VOAHS3.i/6241ppb/01-05-09A/13jan09.b/o34018.d
Date : 13-JAN-2009 23:45
Client ID: CV013B
Sample Info: CV013B
Purge Volume: 5.0
Column phase: Rtx-VMS
Instrument: VOAHS3.i
Operator:
Column diameter: 0.18
/chem/VOAHS3.i/6241ppb/01-05-09A/13jan09.b/o34018.d
Y (x10^5)
Min
-Bromochloromethane
-1,2-Dichloroethane-d4 (SU
-1,4-Difluorobenzene
-Toluene-d8 (SUR)
-Chlorobenzene-d5
-Bromofluorobenzene (SUR)

VMB 1/17/09

Calibration Summary

VOLATILE ORGANICS INITIAL CALIBRATION DATA
METHOD 624

Instrument ID: VOAMS3 Calibration Date(s): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

LAB FILE ID: RRF1: C33740 RRF5: C33742 RRF20: C33743
RRF50: C33744 RRF200: C33745

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Chloromethane	2.383	1.997	1.812	1.965	1.850
Bromomethane	2.272	1.754	1.390	1.374	1.471
Vinyl Chloride	1.881	1.750	1.700	1.776	1.740
Chloroethane	1.924	1.743	1.589	1.594	1.549
Methylene Chloride	3.437	2.373	2.334	2.393	2.345
Acetone	0.248	0.185	0.214	0.181	0.174
Carbon Disulfide	4.922	3.588	3.665	4.079	4.435
Trichlorofluoromethane	2.016	3.472	3.030	3.581	3.370
1,1-Dichloroethene	1.929	1.701	1.670	1.892	1.863
1,1-Dichloroethane	4.604	3.182	3.204	3.644	3.465
trans-1,2-Dichloroethene	2.699	1.817	1.860	2.116	2.123
cis-1,2-Dichloroethene	2.575	2.088	2.030	2.219	2.129
Chloroform	4.005	3.136	3.186	3.385	3.336
1,2-Dichloroethane	0.548	0.366	0.417	0.421	0.448
2-Butanone	0.232	0.242	0.267	0.302	0.309
1,1,1-Trichloroethane	3.105	2.695	2.720	3.201	3.082
Carbon Tetrachloride	2.320	1.694	1.722	2.244	2.325
Bromodichloromethane	0.400	0.316	0.340	0.364	0.405
1,2-Dichloropropane	0.305	0.239	0.246	0.267	0.272
cis-1,3-Dichloropropene	0.419	0.354	0.391	0.416	0.453
Trichloroethene	0.317	0.278	0.329	0.337	0.342
Dibromochloromethane	0.298	0.267	0.286	0.316	0.345
1,1,2-Trichloroethane	0.346	0.250	0.228	0.228	0.219
Benzene	1.373	0.974	1.126	1.201	1.248
trans-1,3-Dichloropropene	0.401	0.419	0.424	0.445	0.464
2-Chloroethyl Vinyl Ether	0.053	0.075	0.082	0.093	0.091
Bromoform	0.197	0.144	0.166	0.186	0.224
4-Methyl-2-Pentanone	0.231	0.216	0.236	0.246	0.262
2-Hexanone	0.175	0.280	0.391	0.278	0.257
Tetrachloroethene	0.477	0.418	0.348	0.441	0.438
1,1,2,2-Tetrachloroethane	0.389	0.330	0.338	0.339	0.339
Toluene	2.169	1.792	1.521	1.592	1.523
Chlorobenzene	1.196	1.059	0.966	1.049	1.002
Ethylbenzene	0.501	0.332	0.425	0.538	0.550
Styrene	0.782	0.711	0.716	0.873	0.947
Xylene (Total)	0.496	0.532	0.500	0.615	0.652
Ethyl Ether	1.744	1.652	1.425	1.472	1.484
Acrolein	0.338	0.340	0.349	0.326	0.298
Freon TF	2.067	1.946	1.967	2.092	2.104

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

Instrument ID: VOAMS3 Calibration Date(s): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

LAB FILE ID: RRF1: C33740 RRF5: C33742 RRF20: C33743
RRF50: C33744 RRF200: C33745

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Isopropanol	0.111	0.107	0.108	0.104	0.102
Acetonitrile	0.066	0.043	0.043	0.041	0.039
TBA	0.236	0.201	0.196	0.187	0.186
Acrylonitrile	0.649	0.631	0.679	0.671	0.625
MTBE	7.225	6.072	5.875	5.977	5.685
Hexane	1.426	0.912	1.562	1.673	1.645
DIPE	5.227	5.273	5.079	5.468	5.278
Ethyl Acetate	0.241	0.197	0.198	0.187	0.186
Vinyl Acetate		2.008	1.810	1.822	1.842
Tetrahydrofuran	1.034	0.627	0.647	0.632	0.626
Cyclohexane	3.318	2.679	2.804	2.960	2.956
Isobutanol					
Isopropyl Acetate	0.460	0.451	0.477	0.482	0.500
n-Heptane	0.198	0.103	0.144	0.208	0.199
n-Butanol	0.040	0.041	0.047	0.046	0.047
Propyl Acetate	0.374	0.320	0.331	0.343	0.356
Butyl Acetate	0.070	0.066	0.084	0.085	0.089
1,2-Dibromoethane	0.275	0.267	0.261	0.253	0.241
1,3-Dichlorobenzene	0.764	0.574	0.504	0.606	0.714
1,4-Dichlorobenzene	0.792	0.573	0.506	0.606	0.705
1,2-Dichlorobenzene	0.702	0.542	0.484	0.574	0.664
Naphthalene	2.015	1.311	1.181	1.200	1.074
Methylnaphthalene (total)	0.600	0.280	0.489	0.575	0.608
Dimethylnaphthalene (total)	0.125	0.053	0.078	0.106	0.127
Dichlorodifluoromethane	1.554	1.966	1.913	2.116	2.049
1,4-Dioxane	0.004	0.004	0.004	0.004	0.004
n-Pentane	0.776	0.462	0.425	0.442	0.444
5-Methyl-2-Hexanone					
Isopropylbenzene	1.190	1.000	1.028	1.312	1.501
1,2,4-Trimethylbenzene	1.299	1.106	0.907	1.038	1.125
Cyclohexanone					
1,2,4-Trichlorobenzene	0.523	0.395	0.339	0.384	0.372
Methyl Methacrylate	0.109	0.089	0.096	0.099	0.102
Allyl Alcohol	0.039	0.041	0.042	0.045	0.044
Epichlorohydrin	0.020	0.019	0.020	0.020	0.020
Allyl Chloride					
Benzyl Chloride	0.364	0.310	0.404	0.487	0.649
Isoprene	2.939	2.475	2.504	2.687	2.796
1,1,1,2-Tetrachloroethane	0.340	0.312	0.297	0.332	0.346

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

Instrument ID: VOAMS3 Calibration Date(s): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

LAB FILE ID: RRF1: C33740 RRF5: C33742 RRF20: C33743
RRF50: C33744 RRF200: C33745

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
Camphene (total)	0.440	0.451	0.462	0.460	0.480
Camphor	0.090	0.045	0.044	0.044	0.054
1,3,5-Trimethylbenzene	1.162	1.021	0.870	1.061	1.174
1,2,3-Trichlorobenzene	0.536	0.386	0.324	0.357	0.339
n-Butylbenzene	1.288	0.864	0.590	0.698	0.739
sec-Butylbenzene	1.310	0.964	0.692	0.902	1.085
tert-Butylbenzene	0.971	0.780	0.596	0.758	0.847
p-Isopropyltoluene	1.194	0.919	0.667	0.846	1.007
n-Propylbenzene	1.459	1.110	0.941	1.260	1.527
m+p-Ethyltoluene					
o-Ethyltoluene					
Methyl Acetate	0.608	0.579	0.494	0.513	0.524
Methyl cyclohexane	0.348	0.302	0.454	0.516	0.586
1,2-Dibromo-3-chloropropane	0.055	0.041	0.040	0.047	0.058
Cyclohexene					
1,2-Dichlorotrifluoroethane					
n-Propanol	0.008	0.008	0.009	0.008	0.008
3-Methyl-1-Pentyn-3-ol					
Propylene Oxide					
Ethanol	0.009	0.008	0.008	0.008	0.009
Chlorotrifluoroethane					
Dichlorofluoromethane					
Ethylene Oxide					
Methyl Formate					
Isobutyraldehyde					
Amyl Acetate	0.175	0.284	0.320	0.369	0.447
1,2,3-Trichloropropane	0.143	0.139	0.131	0.131	0.132
Chlorodifluoromethane					
1,3-Dichloropropane	0.620	0.538	0.495	0.499	0.476
Dibromomethane	0.238	0.158	0.164	0.167	0.177
1-Propene					
2-Chloropropane					
1-Chloropropane					
Hexachlorobutadiene	0.172	0.093	0.059	0.084	0.089
2-Chlorotoluene	0.814	0.822	0.746	0.897	1.008
4-Chlorotoluene	0.962	0.876	0.753	0.926	1.060
1,1-Dichloropropene	2.203	2.160	2.186	2.618	2.527
Bromobenzene	0.489	0.413	0.355	0.402	0.424
2,2-Dichloropropane	2.673	2.363	2.316	2.655	2.532

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

Instrument ID: VOAMS3 Calibration Date(s): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

LAB FILE ID: RRF1: C33740 RRF5: C33742 RRF20: C33743
RRF50: C33744 RRF200: C33745

COMPOUND	RRF1	RRF5	RRF20	RRF50	RRF200
1,2-Dichloroethane-d4 (SUR)	0.046	0.049	0.051	0.049	0.050
Toluene-d8 (SUR)	1.304	1.281	1.287	1.220	1.178
Bromofluorobenzene (SUR)	0.372	0.402	0.381	0.414	0.421

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

Instrument ID: VOAMS3 Calibration Date(s): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

RRF500: C33746

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Chloromethane	1.543	AVRG	1.92485670	14.3*
Bromomethane	1.331	AVRG	1.59871881	22.7*
Vinyl Chloride	1.437	AVRG	1.71410689	8.7*
Chloroethane	1.230	AVRG	1.60475661	14.3*
Methylene Chloride	1.636	AVRG	2.41980274	23.8*
Acetone	0.140	AVRG	0.19027251	19.3*
Carbon Disulfide	3.604	AVRG	4.04880065	13.4*
Trichlorofluoromethane	2.509	AVRG	2.99636783	20.6*
1,1-Dichloroethene	1.543	AVRG	1.76619457	8.6*
1,1-Dichloroethane	2.836	AVRG	3.48923484	17.5*
trans-1,2-Dichloroethene	1.746	AVRG	2.06025223	17.0*
cis-1,2-Dichloroethene	1.824	AVRG	2.14436796	11.6*
Chloroform	2.767	AVRG	3.30258830	12.3*
1,2-Dichloroethane	0.453	AVRG	0.44225320	13.7*
2-Butanone	0.268	AVRG	0.26991118	11.5*
1,1,1-Trichloroethane	2.626	AVRG	2.90501544	8.6*
Carbon Tetrachloride	2.071	AVRG	2.06289398	14.0*
Bromodichloromethane	0.426	AVRG	0.37525279	11.3*
1,2-Dichloropropane	0.283	AVRG	0.26877434	9.1*
cis-1,3-Dichloropropene	0.461	AVRG	0.41565988	9.5*
Trichloroethene	0.353	AVRG	0.32611367	8.1*
Dibromochloromethane	0.373	AVRG	0.31426791	12.4*
1,1,2-Trichloroethane	0.230	AVRG	0.25032916	19.1*
Benzene	1.226	AVRG	1.19122280	11.2*
trans-1,3-Dichloropropene	0.488	AVRG	0.44007123	7.2*
2-Chloroethyl Vinyl Ether	0.074	AVRG	0.07812260	18.8*
Bromoform	0.251	AVRG	0.19484606	19.8*
4-Methyl-2-Pentanone	0.260	AVRG	0.24169677	7.4*
2-Hexanone	0.216	AVRG	0.26610205	27.6*
Tetrachloroethene	0.448	AVRG	0.42812636	10.2*
1,1,2,2-Tetrachloroethane	0.342	AVRG	0.34599156	6.2*
Toluene	1.478	AVRG	1.67920252	15.8*
Chlorobenzene	0.991	AVRG	1.04390969	7.9*
Ethylbenzene	0.567	AVRG	0.48547729	18.7*
Styrene	0.922	AVRG	0.82479941	12.5*
Xylene (Total)	0.640	AVRG	0.57237530	12.5*
Ethyl Ether	1.213	AVRG	1.49856661	12.4*
Acrolein	0.248	AVRG	0.31651427	12.0*
Freon TF	1.713	AVRG	1.98136229	7.4*

* 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): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

RRF500: C33746

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Isopropanol	0.096	AVRG	0.10472978	5.1*
Acetonitrile	0.033	AVRG	0.04403143	26.0*
TBA	0.168	AVRG	0.19551298	11.6*
Acrylonitrile	0.550	AVRG	0.63427812	7.3*
MTBE	4.590	AVRG	5.90394072	14.3*
Hexane	1.410	AVRG	1.43822172	19.4*
DIPE	4.321	AVRG	5.10777341	7.9*
Ethyl Acetate	0.164	AVRG	0.19554961	12.9*
Vinyl Acetate	1.483	AVRG	1.79318090	10.6*
Tetrahydrofuran	0.566	AVRG	0.68852126	24.9*
Cyclohexane	2.475	AVRG	2.86543182	10.0*
Isobutanol		AVRG		
Isopropyl Acetate	0.494	AVRG	0.47746917	4.0*
n-Heptane	0.201	AVRG	0.17573489	24.2*
n-Butanol	0.043	AVRG	0.04399501	6.9*
Propyl Acetate	0.349	AVRG	0.34551317	5.4*
Butyl Acetate	0.091	AVRG	0.08099892	12.7*
1,2-Dibromoethane	0.230	AVRG	0.25443650	6.5*
1,3-Dichlorobenzene	0.773	AVRG	0.65600084	16.8*
1,4-Dichlorobenzene	0.766	AVRG	0.65784825	17.3*
1,2-Dichlorobenzene	0.725	AVRG	0.61514199	15.6*
Naphthalene	1.002	AVRG	1.29718919	28.3*
Methylnaphthalene (total)		AVRG	0.51055747	26.8*
Dimethylnaphthalene (total)		AVRG	0.09776656	32.2*
Dichlorodifluoromethane	1.644	AVRG	1.87367648	12.0*
1,4-Dioxane	0.004	AVRG	0.00392557	4.5*
n-Pentane	0.370	AVRG	0.48649587	29.8*
5-Methyl-2-Hexanone		AVRG		
Isopropylbenzene	1.492	AVRG	1.25398618	17.5*
1,2,4-Trimethylbenzene	1.212	AVRG	1.11458982	12.2*
Cyclohexanone		AVRG		
1,2,4-Trichlorobenzene	0.382	AVRG	0.39910535	16.0*
Methyl Methacrylate	0.104	AVRG	0.10007119	6.9*
Allyl Alcohol	0.038	AVRG	0.04160894	6.4*
Epichlorohydrin	0.020	AVRG	0.01991611	2.0*
Allyl Chloride		AVRG		
Benzyl Chloride	0.755	AVRG	0.49494273	35.0*
Isoprene	2.221	AVRG	2.60375544	9.9*
1,1,1,2-Tetrachloroethane	0.362	AVRG	0.33173829	7.1*

* 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): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

RRF500: C33746

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
Camphene (total)	0.525	AVRG	0.46973603	6.4*
Camphor	0.072	AVRG	0.05826997	32.0*
1,3,5-Trimethylbenzene	1.235	AVRG	1.08735493	12.1*
1,2,3-Trichlorobenzene	0.350	AVRG	0.38223148	20.4*
n-Butylbenzene	0.831	AVRG	0.83516983	29.0*
sec-Butylbenzene	1.255	AVRG	1.03476618	22.3*
tert-Butylbenzene	0.969	AVRG	0.82022236	17.4*
p-Isopropyltoluene	1.171	AVRG	0.96729813	20.7*
n-Propylbenzene	1.593	AVRG	1.31491071	19.5*
m+p-Ethyltoluene		AVRG		
o-Ethyltoluene		AVRG		
Methyl Acetate	0.447	AVRG	0.52760782	11.0*
Methyl cyclohexane	0.587	AVRG	0.46547716	25.9*
1,2-Dibromo-3-chloropropane	0.066	AVRG	0.05114423	20.4*
Cyclohexene		AVRG		
1,2-Dichlorotrifluoroethane		AVRG		
n-Propanol	0.008	AVRG	0.00827267	5.3*
3-Methyl-1-Pentyn-3-ol		AVRG		
Propylene Oxide		AVRG		
Ethanol	0.009	AVRG	0.00874108	7.3*
Chlorotrifluoroethane		AVRG		
Dichlorofluoromethane		AVRG		
Ethylene Oxide		AVRG		
Methyl Formate		AVRG		
Isobutyraldehyde		AVRG		
Amyl Acetate	0.482	AVRG	0.34614636	32.4*
1,2,3-Trichloropropane	0.136	AVRG	0.13543689	3.6*
Chlorodifluoromethane		AVRG		
1,3-Dichloropropane	0.486	AVRG	0.51922295	10.4*
Dibromomethane	0.178	AVRG	0.18058914	16.2*
1-Propene		AVRG		
2-Chloropropane		AVRG		
1-Chloropropane		AVRG		
Hexachlorobutadiene	0.102	AVRG	0.09976386	38.2*
2-Chlorotoluene	1.043	AVRG	0.88842363	13.2*
4-Chlorotoluene	1.102	AVRG	0.94669383	13.4*
1,1-Dichloropropene	2.151	AVRG	2.30764358	9.0*
Bromobenzene	0.440	AVRG	0.42067776	10.5*
2,2-Dichloropropane	2.099	AVRG	2.43973494	9.1*

* 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): 01/06/09 01/06/09

Heated Purge: (Y/N) N Calibration Time(s): 0025 0239

RRF500: C33746

COMPOUND	RRF500	CURVE	COEFFICENT A1	%RSD OR R^2
1,2-Dichloroethane-d4 (SUR)	0.052	AVRG	0.04959655	4.3*
Toluene-d8 (SUR)	1.210	AVRG	1.24674075	4.1*
Bromofluorobenzene (SUR)	0.444	AVRG	0.40582299	6.6*

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

FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 01/13/09 Time: 1134

Lab File ID: C33986 Init. Calib. Date(s): 01/06/09 01/06/09

Init. Calib. Times: 0025 0239

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Chloromethane	1.9250000	1.6064420		16.55	104.00	AVRG
Bromomethane	1.5990000	1.2818911		19.83	86.00	AVRG
Vinyl Chloride	1.7140000	1.5975186		6.80	96.00	AVRG
Chloroethane	1.6050000	1.5341438		4.41	62.00	AVRG
Methylene Chloride	2.4200000	2.4164499		0.15	39.50	AVRG
Acetone	0.1900000	0.1772056		6.73	50.00	AVRG
Carbon Disulfide	4.0490000	3.7613315		7.10	50.00	AVRG
Trichlorofluoromethane	2.9960000	3.2888816		-9.78	52.00	AVRG
1,1-Dichloroethene	1.7660000	1.7021824		3.61	49.50	AVRG
1,1-Dichloroethane	3.4890000	3.2040196		8.17	27.50	AVRG
trans-1,2-Dichloroethene	2.0600000	1.9289209		6.36	30.50	AVRG
cis-1,2-Dichloroethene	2.1440000	2.1198943		1.12	50.00	AVRG
Chloroform	3.3020000	3.1393495		4.92	32.50	AVRG
1,2-Dichloroethane	0.4420000	0.3883542		12.14	32.00	AVRG
2-Butanone	0.2700000	0.2726344		-0.98	50.00	AVRG
1,1,1-Trichloroethane	2.9050000	2.8118658		3.20	25.00	AVRG
Carbon Tetrachloride	2.0630000	2.0545646		0.41	27.00	AVRG
Bromodichloromethane	0.3750000	0.3183921		15.10	34.50	AVRG
1,2-Dichloropropane	0.2690000	0.2367938		11.97	66.00	AVRG
cis-1,3-Dichloropropene	0.4160000	0.3790965		8.87	76.00	AVRG
Trichloroethene	0.3260000	0.3155973		3.19	33.50	AVRG
Dibromochloromethane	0.3140000	0.2812187		10.44	32.50	AVRG
1,1,2-Trichloroethane	0.2500000	0.2009356		19.62	29.00	AVRG
Benzene	1.1910000	1.0622134		10.81	36.00	AVRG
trans-1,3-Dichloropropene	0.4400000	0.3929149		10.70	50.00	AVRG
2-Chloroethyl Vinyl Ether	0.0780000	0.0767428		1.61	124.00	AVRG
Bromoform	0.1950000	0.1595655		18.17	29.00	AVRG
4-Methyl-2-Pentanone	0.2420000	0.2036574		15.84	50.00	AVRG
2-Hexanone	0.2660000	0.3021830		-13.60	50.00	AVRG
Tetrachloroethene	0.4280000	0.4047519		5.43	26.50	AVRG
1,1,2,2-Tetrachloroethane	0.3460000	0.2982658		13.80	39.50	AVRG
Toluene	1.6790000	1.4619805		12.92	25.50	AVRG
Chlorobenzene	1.0440000	0.9415280		9.82	34.00	AVRG
Ethylbenzene	0.4860000	0.4646346		4.40	41.00	AVRG
Styrene	0.8250000	0.7311546		11.38	50.00	AVRG
Xylene (Total)	0.5720000	0.5246567		8.28	50.00	AVRG
Ethyl Ether	1.4980000	1.3608330		9.16	50.00	AVRG
Acrolein	0.3160000	0.2916623		7.70	99.00	AVRG
Freon TF	1.9820000	1.8244514		7.95	50.00	AVRG
Isopropanol	0.1050000	0.0899905		14.29	50.00	AVRG
Acetonitrile	0.0440000	0.0417204		5.18	50.00	AVRG
TBA	0.1960000	0.1713391		12.58	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 01/13/09 Time: 1134

Lab File ID: C33986 Init. Calib. Date(s): 01/06/09 01/06/09

Init. Calib. Times: 0025 0239

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Acrylonitrile	0.6340000	0.5699043		10.11	50.00	AVRG
MTBE	5.9040000	5.6196704		4.82	50.00	AVRG
Hexane	1.4380000	1.6394582		-14.01	50.00	AVRG
DIPE	5.1080000	4.9147948		3.78	50.00	AVRG
Ethyl Acetate	0.1960000	0.1677882		14.39	50.00	AVRG
Vinyl Acetate	1.7930000	1.7536017		2.20	50.00	AVRG
Tetrahydrofuran	0.6890000	0.6370518		7.54	50.00	AVRG
Cyclohexane	2.8650000	2.7724869		3.23	50.00	AVRG
Isobutanol	0.0000000			0.00	50.00	AVRG
Isopropyl Acetate	0.4770000	0.4075729		14.55	50.00	AVRG
n-Heptane	0.1760000	0.2145710		-21.92	50.00	AVRG
n-Butanol	0.0440000	0.0362707		17.57	50.00	AVRG
Propyl Acetate	0.3460000	0.2884809		16.62	50.00	AVRG
Butyl Acetate	0.0810000	0.0710261		12.31	50.00	AVRG
1,2-Dibromoethane	0.2540000	0.2316980		8.78	50.00	AVRG
1,3-Dichlorobenzene	0.6560000	0.5497211		16.20	27.00	AVRG
1,4-Dichlorobenzene	0.6580000	0.5288021		19.63	37.00	AVRG
1,2-Dichlorobenzene	0.6150000	0.4931704		19.81	37.00	AVRG
Naphthalene	1.2970000	1.0338546		20.29	50.00	AVRG
Methylnaphthalene (total)	0.5100000	0.7348180		-44.08	50.00	AVRG
Dimethylnaphthalene (total)	0.0980000	0.1739140		-77.46	50.00	AVRG
Dichlorodifluoromethane	1.8740000	1.4707067		21.52	50.00	AVRG
1,4-Dioxane	0.0040000	0.0032141		19.65	50.00	AVRG
n-Pentane	0.4860000	0.3821173		21.38	50.00	AVRG
5-Methyl-2-Hexanone	0.0000000			0.00	50.00	AVRG
Isopropylbenzene	1.2540000	1.1682372		6.84	50.00	AVRG
1,2,4-Trimethylbenzene	1.1140000	0.9920667		10.94	50.00	AVRG
Cyclohexanone	0.0000000			0.00	50.00	AVRG
1,2,4-Trichlorobenzene	0.3990000	0.3520679		11.76	50.00	AVRG
Methyl Methacrylate	0.1000000	0.0814106		18.59	50.00	AVRG
Allyl Alcohol	0.0420000	0.0368409		12.28	50.00	AVRG
Epichlorohydrin	0.0200000	0.0181828		9.09	50.00	AVRG
Allyl Chloride	0.0000000			0.00	50.00	AVRG
Benzyl Chloride	0.4950000	0.3977498		19.65	50.00	AVRG
Isoprene	2.6040000	2.3418178		10.07	50.00	AVRG
1,1,1,2-Tetrachloroethane	0.3320000	0.2984085		10.12	50.00	AVRG
Camphene (total)	0.4700000	0.5059451		-7.65	50.00	AVRG
Camphor	0.0580000	0.0393739		32.11	50.00	AVRG
1,3,5-Trimethylbenzene	1.0870000	0.9762467		10.19	50.00	AVRG
1,2,3-Trichlorobenzene	0.3820000	0.3245237		15.05	50.00	AVRG
n-Butylbenzene	0.8350000	0.7790034		6.71	50.00	AVRG
sec-Butylbenzene	1.0350000	0.9035862		12.70	50.00	AVRG

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FORM 7B
VOLATILE CONTINUING CALIBRATION CHECK

Instrument ID: VOAMS3 Calibration Date: 01/13/09 Time: 1134

Lab File ID: C33986 Init. Calib. Date(s): 01/06/09 01/06/09

Init. Calib. Times: 0025 0239

COMPOUND	RRF OR AMOUNT	RRF20.000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
tert-Butylbenzene	0.8200000	0.7577983		7.58	50.00	AVRG
p-Isopropyltoluene	0.9670000	0.8401841		13.11	50.00	AVRG
n-Propylbenzene	1.3150000	1.1164701		15.10	50.00	AVRG
m+p-Ethyltoluene	0.0000000			0.00	50.00	AVRG
o-Ethyltoluene	0.0000000			0.00	50.00	AVRG
Methyl Acetate	0.5280000	0.4822731		8.66	50.00	AVRG
Methyl cyclohexane	0.4660000	0.4796413		-2.93	50.00	AVRG
1,2-Dibromo-3-chloropropane	0.0510000	0.0421705		17.31	50.00	AVRG
Cyclohexene	0.0000000			0.00	50.00	AVRG
1,2-Dichlorotrifluoroethane	0.0000000			0.00	50.00	AVRG
n-Propanol	0.0080000	0.0072374		9.53	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	0.0080000	0.0071682		10.40	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	0.3460000	0.3285248		5.05	50.00	AVRG
1,2,3-Trichloropropane	0.1350000	0.1184740		12.24	50.00	AVRG
Chlorodifluoromethane	0.0000000			0.00	50.00	AVRG
1,3-Dichloropropane	0.5190000	0.4481380		13.65	50.00	AVRG
Dibromomethane	0.1800000	0.1485620		17.46	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	0.1000000	0.1078314		-7.83	50.00	AVRG
2-Chlorotoluene	0.8880000	0.7946062		10.52	50.00	AVRG
4-Chlorotoluene	0.9460000	0.7937482		16.09	50.00	AVRG
1,1-Dichloropropene	2.3080000	2.2939955		0.61	50.00	AVRG
Bromobenzene	0.4200000	0.3557595		15.30	50.00	AVRG
2,2-Dichloropropane	2.4400000	2.5098732		-2.86	50.00	AVRG
1,2-Dichloroethane-d4 (SUR)	0.0500000	0.0484952		3.01	999.00	AVRG
Toluene-d8 (SUR)	1.2470000	1.2256043		1.72	999.00	AVRG
Bromofluorobenzene (SUR)	0.4060000	0.3992011		1.67	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: D845

	LAB SAMPLE NO.	S1 #	S2 #	S3 #	OTHER	TOT OUT
01	CV013B	107	103	92		0
02	978496	107	98	98		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.: 978493

MS Sample from Lab Job No: D843

QA Batch: 1903

Compound	MS % REC.		BS % REC.	LIMITS
Chloromethane	86		85	0-273
Bromomethane	60		70	0-242
Vinyl Chloride	94		90	0-251
Chloroethane	98		85	14-230
Methylene Chloride	78		75	0-221
Trichlorofluoromethane	114		105	17-181
1,1-Dichloroethene	90		90	0-234
1,1-Dichloroethane	88		80	59-155
trans-1,2-Dichloroethene	88		85	54-156
Chloroform	92		85	51-138
1,2-Dichloroethane	84		85	49-155
1,1,1-Trichloroethane	96		90	52-162
Carbon Tetrachloride	86		90	70-140
Bromodichloromethane	80		80	35-155
1,2-Dichloropropane	84		85	0-210
cis-1,3-Dichloropropene	74		80	0-227
Trichloroethene	60	*	95	71-157
Dibromochloromethane	74		85	53-149
1,1,2-Trichloroethane	84		80	52-150
Benzene	84		85	37-151
trans-1,3-Dichloropropene	74		80	17-183
2-Chloroethyl Vinyl Ether	0		100	0-305
Bromoform	66		80	45-169
Tetrachloroethene	88		90	64-148
1,1,2,2-Tetrachloroethane	86		85	46-157
Toluene	80		80	47-150
Chlorobenzene	88		85	37-160
Ethylbenzene	92		90	37-162
1,3-Dichlorobenzene	78		80	59-156
1,4-Dichlorobenzene	76		75	18-190

* Values outside of QC limits(Sample amount too high for spike value)

VOLATILE SPIKE RECOVERY SUMMARY
METHOD 624

Matrix: WATER

Level: LOW

Matrix Spike - Lab Sample No.: 978493

MS Sample from Lab Job No: D843

QA Batch: 1903

Compound	MS % REC.	BS % REC.	LIMITS
1,2-Dichlorobenzene	78	80	18-190

* Values outside of QC limits(Sample amount too high for spike value)

Spike Recovery: 1 out of 62 outside limits

COMMENTS:

Internal Standard Area and RT Summary

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab File ID (Standard): C33986 Date Analyzed: 01/13/09

Instrument ID: VOAMS3 Time Analyzed: 1134

		IS1(BCM) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
	12 HOUR STD	70886	2.70	443605	3.70	378112	6.76
	UPPER LIMIT	141772	3.20	887210	4.20	756224	7.26
	LOWER LIMIT	35443	2.20	221802	3.20	189056	6.26
	LABORATORY SAMPLE NO.						
01	CV013B	61898	2.71	363037	3.70	297422	6.76
02	978496	60430	2.70	348723	3.70	311718	6.76
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: **20630002-1 Comp**
Site: **Newark PVSC**

Lab Sample No: 978497
Lab Job No: D845

Date Sampled: 01/09/09
Date Received: 01/09/09

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Cadmium	ND	0.50		P
Copper	17.1	3.1	B	P
Lead	5.8	2.2		P
Mercury	ND	0.10		CV
Nickel	ND	3.9		P
Zinc	58.8	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.: D845 Batch No.: 25764

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											NR
Antimony	4.9	U	4.9	U	4.9	U	4.9	U	4.900	U	P
Arsenic	4.5	U	4.5	U	4.5	U	4.5	U	4.500	U	P
Barium											NR
Beryllium	0.1	U	0.1	U	0.1	U	0.1	U	0.120	U	P
Cadmium	0.5	U	0.5	U	0.5	U	0.5	U	0.500	U	P
Calcium											NR
Chromium	2.8	U	2.8	U	2.8	U	2.8	U	2.800	U	P
Cobalt	3.5	U	3.5	U	3.5	U	3.5	U	3.500	U	P
Copper	3.1	U	3.1	U	3.1	U	3.1	U	3.100	U	P
Iron											NR
Lead	2.2	U	2.2	U	2.2	U	2.2	U	2.200	U	P
Magnesium											NR
Manganese											NR
Mercury	0.2	B	-0.2	B	-0.2	B	-0.2	B	-0.144	B	CV
Nickel	3.9	U	3.9	U	3.9	U	3.9	U	3.900	U	P
Potassium											NR
Selenium	4.8	U	4.8	U	4.8	U	4.8	U	4.800	U	P
Silver	1.2	U	1.2	U	1.2	U	1.2	U	1.200	U	P
Sodium											NR
Thallium	4.8	U	4.8	U	4.8	U	4.8	U	4.800	U	P
Vanadium											NR
Zinc	5.8	U	5.8	U	5.8	U	5.8	U	5.800	U	P
Boron											NR

BLANKS

Lab Name: TESTAMERICA_____ _____

Lab Code: 12028_ Lab Job No.: _D845 _____ Batch No.: 25764_

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			4.9	U							P
Arsenic			4.5	U							P
Barium											NR
Beryllium			0.1	U							P
Cadmium			0.5	U							P
Calcium											NR
Chromium			2.8	U							P
Cobalt			3.5	U							P
Copper			3.1	U							P
Iron											NR
Lead			2.2	U							P
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel			3.9	U							P
Potassium											NR
Selenium			4.8	U							P
Silver			1.2	U							P
Sodium											NR
Thallium			5.0	B							P
Vanadium											NR
Zinc			5.8	U							P
Boron											NR

BLANKS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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	4.8	U	4.8	U	4.8	U	4.8	U			P
Silver											NR
Sodium											NR
Thallium	4.9	B	4.8	U	4.8	U	4.8	U			P
Vanadium											NR
Zinc											NR
Boron											NR

BLANKS

Lab Name: TESTAMERICA_____ _____

Lab Code: 12028_ Lab Job No.: _D845 _____ Batch No.: 25764_

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_			4.8_	U							P__
Silver___											NR_
Sodium___											NR_
Thallium_			4.8_	U							P__
Vanadium_											NR_
Zinc____											NR_
Boron___											NR_

Calibration Summary

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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	1000.0	1002.20	100.2	1000.0	997.37	99.7	999.76	100.0	P
Arsenic	5000.0	4996.40	99.9	5000.0	4981.76	99.6	4974.64	99.5	P
Barium									NR
Beryllium	1000.0	1003.41	100.3	1000.0	994.56	99.5	995.03	99.5	P
Cadmium	2500.0	2515.32	100.6	2500.0	2496.21	99.8	2491.94	99.7	P
Calcium									NR
Chromium	5000.0	5066.85	101.3	5000.0	5007.07	100.1	5017.38	100.3	P
Cobalt	2500.0	2513.76	100.6	2500.0	2478.92	99.2	2484.63	99.4	P
Copper	12500.0	12587.56	100.7	12500.0	12466.57	99.7	12506.38	100.1	P
Iron									NR
Lead	10000.0	10089.17	100.9	10000.0	9986.60	99.9	9963.42	99.6	P
Magnesium									NR
Manganese									NR
Mercury	5.0	5.09	101.8	5.0	5.18	103.6	5.12	102.4	CV
Nickel	2500.0	2510.62	100.4	2500.0	2486.33	99.5	2486.66	99.5	P
Potassium									NR
Selenium	5000.0	4972.23	99.4	5000.0	4960.22	99.2	4938.43	98.8	P
Silver	1250.0	1259.74	100.8	1250.0	1243.00	99.4	1247.43	99.8	P
Sodium									NR
Thallium	5000.0	5037.44	100.7	5000.0	4995.17	99.9	4987.60	99.8	P
Vanadium									NR
Zinc	2500.0	2568.50	102.7	2500.0	2535.08	101.4	2534.62	101.4	P
Boron									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.: D845 Batch No.: 25764

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				1000.0	1009.83	101.0	971.81	97.2	P
Arsenic				5000.0	5052.04	101.0	4870.39	97.4	P
Barium									NR
Beryllium				1000.0	1009.02	100.9	972.98	97.3	P
Cadmium				2500.0	2532.82	101.3	2438.31	97.5	P
Calcium									NR
Chromium				5000.0	5083.30	101.7	4903.65	98.1	P
Cobalt				2500.0	2528.20	101.1	2440.43	97.6	P
Copper				12500.0	12609.76	100.9	12107.26	96.9	P
Iron									NR
Lead				10000.0	10113.38	101.1	9768.66	97.7	P
Magnesium									NR
Manganese									NR
Mercury				5.0	5.28	105.6	5.21	104.2	CV
Nickel				2500.0	2524.46	101.0	2428.66	97.1	P
Potassium									NR
Selenium				5000.0	5036.68	100.7	4834.04	96.7	P
Silver				1250.0	1257.88	100.6	1214.96	97.2	P
Sodium									NR
Thallium				5000.0	5042.46	100.8	4878.81	97.6	P
Vanadium									NR
Zinc				2500.0	2591.52	103.7	2504.07	100.2	P
Boron									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.: D845 Batch No.: 25764

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	5000.0	4893.72	97.9	5000.0	4760.96	95.2	4976.24	99.5	P
Silver									NR
Sodium									NR
Thallium	5000.0	4940.05	98.8	5000.0	4799.96	96.0	4982.36	99.6	P
Vanadium									NR
Zinc									NR
Boron									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.: D845 Batch No.: 25764

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				5000.0	4926.11	98.5	4895.60	97.9	P
Silver									NR
Sodium									NR
Thallium				5000.0	4921.07	98.4	4934.65	98.7	P
Vanadium									NR
Zinc									NR
Boron									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.: D845 Batch No.: 25764

ICP ID Number: TRACE2 TJA61 ICS Source: INORG VENT

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	486570	492402.3	98.5	477821	490069.0	98.0
Antimony		100		103.8	103.8		106.4	106.4
Arsenic		100		97.5	97.5		102.1	102.1
Barium		100		107.7	107.7		106.9	106.9
Beryllium		100		99.7	99.7		99.9	99.9
Cadmium		100		98.1	98.1		98.5	98.5
Calcium	500000	500000	469757	473510.0	94.7	465078	474815.7	95.0
Chromium		100		99.8	99.8		100.3	100.3
Cobalt		100		98.9	98.9		98.7	98.7
Copper		100		107.8	107.8		107.0	107.0
Iron	200000	200000	201865	203948.2	102.0	199071	203987.1	102.0
Lead		100		99.9	99.9		101.0	101.0
Magnesium	500000	500000	527531	534068.4	106.8	518105	530862.0	106.2
Manganese		100		98.9	98.9		99.2	99.2
Mercury								
Nickel		100		94.7	94.7		95.4	95.4
Potassium		10000		10679.8	106.8		10624.2	106.2
Selenium		100		100.7	100.7		99.6	99.6
Silver		100		103.2	103.2		102.8	102.8
Sodium		10000		10521.1	105.2		10592.9	105.9
Thallium		100		94.3	94.3		92.5	92.5
Vanadium		100		99.1	99.1		98.9	98.9
Zinc		100		97.1	97.1		97.5	97.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

ICP ID Number: TRACE2 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	476881	485454.1	97.1	483903	470514.6	94.1
Antimony		100		102.7	102.7		102.8	102.8
Arsenic		100		102.1	102.1		97.4	97.4
Barium		100		105.9	105.9		103.5	103.5
Beryllium		100		98.0	98.0		95.4	95.4
Cadmium		100		96.7	96.7		93.7	93.7
Calcium	500000	500000	457556	465703.6	93.1	459234	452211.8	90.4
Chromium		100		99.2	99.2		94.2	94.2
Cobalt		100		96.4	96.4		92.5	92.5
Copper		100		108.6	108.6		106.2	106.2
Iron	200000	200000	196682	200761.0	100.4	199071	195606.8	97.8
Lead		100		94.9	94.9		93.7	93.7
Magnesium	500000	500000	514196	524761.0	105.0	523031	508601.6	101.7
Manganese		100		96.9	96.9		92.3	92.3
Mercury								
Nickel		100		94.0	94.0		92.2	92.2
Potassium		10000		10291.8	102.9		10211.1	102.1
Selenium		100		97.1	97.1		94.9	94.9
Silver		100		101.8	101.8		99.3	99.3
Sodium		10000		10241.5	102.4		10092.4	100.9
Thallium		100		93.4	93.4		84.2	84.2
Vanadium		100		96.4	96.4		92.2	92.2
Zinc		100		94.2	94.2		90.5	90.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

ICP ID Number: TRACE2 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				467260	480028.2	96.0
Antimony		100					104.6	104.6
Arsenic		100					96.5	96.5
Barium		100					105.5	105.5
Beryllium		100					97.6	97.6
Cadmium		100					95.9	95.9
Calcium	500000	500000				445400	461493.9	92.3
Chromium		100					95.5	95.5
Cobalt		100					94.2	94.2
Copper		100					108.0	108.0
Iron	200000	200000				193477	200117.9	100.1
Lead		100					97.4	97.4
Magnesium	500000	500000				505716	519236.8	103.8
Manganese		100					93.9	93.9
Mercury								
Nickel		100					93.5	93.5
Potassium		10000					10487.1	104.9
Selenium		100					93.6	93.6
Silver		100					101.0	101.0
Sodium		10000					10255.1	102.6
Thallium		100					83.8	83.8
Vanadium		100					94.3	94.3
Zinc		100					93.9	93.9

Spike Sample Recovery Summary

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

978433MS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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	75-125	0.8340		0.1200	U	1.00	83.4		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Boron									NR

Comments:

LAB SAMPLE NO.

SPIKE SAMPLE RECOVERY

978437MS

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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	75-125	498.8770		4.9000	U	500.00	99.8		P
Arsenic	75-125	1982.7480		4.5000	U	2000.00	99.1		P
Barium									NR
Beryllium	75-125	48.7270		0.1200	U	50.00	97.5		P
Cadmium	75-125	49.1520		0.5000	U	50.00	98.3		P
Calcium									NR
Chromium	75-125	198.2460		2.8000	U	200.00	99.1		P
Cobalt	75-125	485.1230		3.5000	U	500.00	97.0		P
Copper	75-125	259.0290		14.5240	B	250.00	97.8		P
Iron									NR
Lead	75-125	495.7210		2.2000	U	500.00	99.1		P
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel	75-125	491.2630		3.9000	U	500.00	98.3		P
Potassium									NR
Selenium	75-125	2041.6200		4.8000	U	2000.00	102.1		P
Silver	75-125	48.0780		1.2000	U	50.00	96.2		P
Sodium									NR
Thallium	75-125	1977.4380		4.8000	U	2000.00	98.9		P
Vanadium									NR
Zinc	75-125	497.7800		5.8000	U	500.00	99.6		P
Boron									NR

Comments:

Sample and MS Duplicate Results Summary

DUPLICATES

LAB SAMPLE NO.

978433D

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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
Boron								NR

DUPLICATES

LAB SAMPLE NO.

978437D

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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		4.9000	U	4.9000	U			P
Arsenic		4.5000	U	4.5000	U			P
Barium								NR
Beryllium		0.1200	U	0.1200	U			P
Cadmium		0.5000	U	0.5000	U			P
Calcium								NR
Chromium		2.8000	U	2.8000	U			P
Cobalt		3.5000	U	3.5000	U			P
Copper		14.5240	B	14.5320	B	0.1		P
Iron								NR
Lead		2.2000	U	2.2000	U			P
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel		3.9000	U	13.1550	B	200.0		P
Potassium								NR
Selenium		4.8000	U	4.8000	U			P
Silver		1.2000	U	1.2000	U			P
Sodium								NR
Thallium		4.8000	U	4.8000	U			P
Vanadium								NR
Zinc		5.8000	U	5.8000	U			P
Boron								NR

Laboratory Control Samples Results Summary

LABORATORY CONTROL SAMPLE

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

Solid LCS Source:

Aqueous LCS Source: INORG VENT

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony	500.0	501.24	100.2						
Arsenic	2000.0	1995.06	99.8						
Barium									
Beryllium	50.0	49.67	99.3						
Cadmium	50.0	50.76	101.5						
Calcium									
Chromium	200.0	202.04	101.0						
Cobalt	500.0	493.67	98.7						
Copper	250.0	242.97	97.2						
Iron									
Lead	500.0	501.18	100.2						
Magnesium									
Manganese									
Mercury	1.0	0.90	89.6						
Nickel	500.0	500.07	100.0						
Potassium									
Selenium	2000.0	2069.45	103.5						
Silver	50.0	48.12	96.2						
Sodium									
Thallium	2000.0	2014.06	100.7						
Vanadium									
Zinc	500.0	506.82	101.4						
Boron									

Serial Dilution Summary

LAB SAMPLE NO.

ICP SERIAL DILUTION

978437L

Lab Name: TESTAMERICA

Lab Code: 12028 Lab Job No.: D845 Batch No.: 25764

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							NR
Antimony	4.90	U	24.50	U			P
Arsenic	4.50	U	22.50	U			P
Barium							NR
Beryllium	0.12	U	0.60	U			P
Cadmium	0.50	U	2.50	U			P
Calcium							NR
Chromium	2.80	U	14.00	U			P
Cobalt	3.50	U	17.50	U			P
Copper	14.52	B	15.50	U	100.0		P
Iron							NR
Lead	2.20	U	11.00	U			P
Magnesium							NR
Manganese							NR
Mercury							NR
Nickel	3.90	U	19.50	U			P
Potassium							NR
Selenium	4.80	U	24.00	U			P
Silver	1.20	U	6.00	U			P
Sodium							NR
Thallium	4.80	U	24.00	U			P
Vanadium							NR
Zinc	5.80	U	29.00	U			P

Analysis Run Log

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25764_

Instrument ID Number: LEEMAN5_____ Method: CV

Start Date: 01/14/09 End Date: 01/14/09

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	B
STD1	1.00	1111																X									
STD2	1.00	1113																X									
STD3	1.00	1115																X									
STD4	1.00	1117																X									
STD5	1.00	1119																X									
STD6	1.00	1121																X									
CCV	1.00	1123																X									
ICB/CCB	1.00	1126																X									
AICV	1.00	1128																X									
BW011409	1.00	1130																X									
LCSW	1.00	1132																X									
978433	1.00	1134																X									
978433D	1.00	1135																X									
978433MS	1.00	1138																X									
978004	1.00	1140																X									
978427	1.00	1142																X									
CCV	1.00	1144																X									
CCB	1.00	1146																X									
978428	1.00	1147																X									
978429	1.00	1149																X									
978432	1.00	1151																X									
978434	1.00	1153																X									
978436	1.00	1155																X									
978437	1.00	1157																X									
978438	1.00	1159																X									
CCV	1.00	1201																X									
CCB	1.00	1202																X									
978439	1.00	1204																X									
978441	1.00	1207																X									
978442	1.00	1209																X									
978467	1.00	1210																X									
978696	1.00	1213																X									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25764_

Instrument ID Number: LEEMAN5_____ Method: CV

Start Date: 01/14/09 End Date: 01/14/09

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	B
978495	1.00	1215																X									
978497	1.00	1216																X									
CCV	1.00	1218																X									
CCB	1.00	1220																X									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25764_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 01/14/09 End Date: 01/15/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				ALB	SBS	ASA	BAE	BED	CDA	CAR	CRO	COU	FEB	PBG	MGN	MNG	HGI	NI	KE	SEG	AGA	NAL	TL	VN	ZB	B
2CAL-BLK	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
T2CAL1	1.00	1944		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL2	1.00	1950		X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	_	X	X	_	X	X	X	X
T2CAL3	1.00	1956		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	2002		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV/CCV	1.00	2008		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICB/CCB	1.00	2014		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSA	1.00	2020		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ICSAB	1.00	2026		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	2032		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2037		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ZZZZZZ	1.00	2043		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
BW011409	1.00	2049		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
LCSW	1.00	2055		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978437D	1.00	2101		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978437	1.00	2107		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	_	_	X	_
978437L	1.00	2113		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	2119		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	2125		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978437MS	1.00	2131		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
ZZZZZZ	1.00	2137		_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
978004	1.00	2143		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978427	1.00	2149		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978428	1.00	2155		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978429	1.00	2201		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978432	1.00	2207		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978433	1.00	2213		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	_	X	_	X	_	X	_
978434	1.00	2218		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978436	1.00	2224		_	X	X	_	X	X	_	X	_	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCV	1.00	2230		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
CCB	1.00	2236		_	X	X	_	X	X	_	X	X	X	_	X	_	_	_	X	_	X	X	_	X	_	X	_
978438	1.00	2242		_	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.:25764_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 01/14/09 End Date: 01/15/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				ALB	SB	ASA	BAE	BED	CDA	CAR	COU	CUE	FEB	PBG	MGN	HGI	NIE	KEG	SAN	NAL	TLN	VZ	ZNB	B
978439	1.00	2248			X	X		X	X		X		X				X		X	X		X		X	
978441	1.00	2254			X	X		X	X		X		X				X		X	X				X	
978442	1.00	2300			X	X		X	X		X		X				X		X	X		X		X	
978467	1.00	2306				X			X		X	X	X		X				X		X			X	
978696	1.00	2312				X		X	X		X		X		X				X		X			X	
978495	1.00	2318							X				X		X				X					X	
978497	1.00	2324							X				X		X				X					X	
978372	1.00	2330											X		X									X	
CCV	1.00	2336			X	X		X	X		X	X	X		X				X		X	X		X		X	
CCB	1.00	2342			X	X		X	X		X	X	X		X				X		X	X		X		X	
ICSA	1.00	2348			X	X		X	X		X	X	X		X				X		X	X		X		X	
ICSAB	1.00	2354			X	X		X	X		X	X	X		X				X		X	X		X		X	
CCV	1.00	0000			X	X		X	X		X	X	X		X				X		X	X		X		X	
CCB	1.00	0006			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.:25764_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 01/15/09 End Date: 01/15/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				ALB	SBA	ASE	BED	CDA	CAR	COU	CUE	FBN	PBG	MGN	MNG	HGI	NIK	SEG	AGA	NAL	TLN	VZ	ZB	B			
2CAL-BLK	1.00	1043		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
T2CAL1	1.00	1049		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
T2CAL2	1.00	1055		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
T2CAL3	1.00	1101		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1107																									
ICV/CCV	1.00	1113																X			X						
ICB/CCB	1.00	1119																X			X						
ICSA	1.00	1125																X			X						
ICSAB	1.00	1131																X			X						
ZZZZZZ	1.00	1137																									
ZZZZZZ	1.00	1143																									
ZZZZZZ	1.00	1148																									
978311	10.00	1156																									
978433	1.00	1202																X									
978437	1.00	1208																			X						
978441	1.00	1214																			X						
ZZZZZZ	2.00	1220																									
CCV	1.00	1225																X			X						
CCB	1.00	1231																X			X						
ZZZZZZ	2.00	1237																									
ZZZZZZ	4.00	1243																									
ZZZZZZ	4.00	1249																									
ZZZZZZ	4.00	1301																									
ZZZZZZ	4.00	1307																									
ZZZZZZ	4.00	1312																									
ZZZZZZ	4.00	1318																									
ZZZZZZ	4.00	1324																									
ZZZZZZ	4.00	1330																									
ZZZZZZ	4.00	1336																									
CCV	1.00	1342																X			X						
CCB	1.00	1348																X			X						
ZZZZZZ	4.00	1354																									

ANALYSIS RUN LOG

Lab Name: TESTAMERICA_____ Contract: _____

Lab Code: 12028_ Case No.: _____ SAS No.: _____ SDG No.:25764_

Instrument ID Number: TRACE2 TJA61_ Method: P_

Start Date: 01/15/09 End Date: 01/15/09

EPA Sample No.	D/F	Time	% R	Analytes																							
				ALS	BS	ASA	BEA	BED	CAR	CRO	CUO	CFE	PBE	MGN	MNG	HGI	NI	K	SE	AG	NA	TL	V	ZN	B
ZZZZZZ	4.00	1400																							
ZZZZZZ	4.00	1406																							
ZZZZZZ	1.00	1419																							
ZZZZZZ	1.00	1425																							
ZZZZZZ	5.00	1431																							
ICSA	1.00	1437																	X			X			
ICSAB	1.00	1443																	X			X			
CCV	1.00	1449																	X			X			
CCB	1.00	1455																	X			X			
ZZZZZZ	1.00	1514																							
ZZZZZZ	1.00	1520																							
ZZZZZZ	5.00	1526																							
ICSA	1.00	1532																	X			X			
ICSAB	1.00	1538																	X			X			
CCV	1.00	1544																	X			X			
CCB	1.00	1550																	X			X			

General Chemistry Forms

Analytical Results Summary

Lab Job No: D845
Matrix: WATER

Site: Newark PVSC
QA Batch: 1813

BOD

Lab ID	Client ID	Date Sampled	Date Analyzed	Percent Moisture	DF	Analytical Result Units: mg/l	Reporting Limit Units: mg/l
978497	20630002-1_Com	01/09/09	01/15/09		1.0	47.8	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.:** 977792

QA Batch No.: 1813 **Lab Job No.: D706**

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	136	95.8	76-145

Matrix Spike Duplicate				
Spike Added Units: mg/l	MSD Conc Units: mg/l	MSD % Rec	% RPD	RPD Limits
142	130	91.5	4.5	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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-7792-1

SDG Number: 220-7792

Job Description: D845 - Newark PVSC

For:
TestAmerica Laboratories, Inc.
777 New Durham Road
Edison, NJ 08817

Attention: Ms. Alison Sedlak

Approved for release.
Patty A Mercure
1/21/2009 1:36 PM

Designee for
Erin A Gaus
Project Manager I
erin.gaus@testamericainc.com
01/21/2009

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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Job Narrative
220-J7792-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

General Chemistry
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-7792-1	20630002-1 Grab	Water	01/09/2009 1135	01/13/2009 1020

EXECUTIVE SUMMARY - Detections

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-7792-1	**20630002-1 GRAB**					
HEM		1.9	J	5.0	mg/L	1664A

METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

Description	Lab Location	Method	Preparation Method
Matrix: Water			
HEM and SGT-HEM	TAL CT	1664A 1664A	

Lab References:

TAL CT = TestAmerica Connecticut

Method References:

1664A = EPA-821-98-002

METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

Method	Analyst	Analyst ID
1664A 1664A	Tillotson, Ray	RT

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

General Chemistry

Client Sample ID: **20630002-1 Grab**

Lab Sample ID: 220-7792-1
Client Matrix: Water

Date Sampled: 01/09/2009 1135
Date Received: 01/13/2009 1020

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM	1.9	J	mg/L	1.7	5.0	1.0	1664A
Anly Batch: 220-23776		Date Analyzed		01/13/2009 2030			
SGT-HEM	5.0	U	mg/L	0.62	5.0	1.0	1664A
Anly Batch: 220-23776		Date Analyzed		01/13/2009 2030			

DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
Sdg Number: 220-7792

Lab Section	Qualifier	Description
General Chemistry		
	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 220-7792-1
SDG: 220-7792

Laboratory Chronicle

Lab ID: 220-7792-1 **Client ID:** 20630002-1 Grab

Sample Date/Time: 01/09/2009 11:35 Received Date/Time: 01/13/2009 10:20

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:1664A	220-7792-A-1		220-23776		01/13/2009 20:30	1	TAL CT	RT

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:1664A	MB 220-23776/1		220-23776		01/13/2009 20:30	1	TAL CT	RT

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:1664A	LCS 220-23776/2		220-23776		01/13/2009 20:30	1	TAL CT	RT

Lab References:
TAL CT = TestAmerica Connecticut

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-7792-1

SDG No.: 220-7792

Project: D845 - Newark PVSC

Client Sample ID	Lab Sample ID
20630002-1 Grab	220-7792-1

Comments:

1B-IN

INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: 20630002-1 Grab
Lab Sample ID: 220-7792-1
Lab Name: TestAmerica Connecticut
Job No.: 220-7792-1
SDG ID.: 220-7792
Matrix: Water
Date Sampled: 01/09/2009 11:35
Reporting Basis: WET
Date Received: 01/13/2009 10:20

CAS No.	Analyte	Conc.	RL	MDL	Units	C	Q	DIL	Method
	HEM	1.9	5.0	1.7	mg/L	J		1	1664A
	SGT-HEM	5.0	5.0	0.62	mg/L	U		1	1664A

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job No.: 220-7792-1

SDG No.: 220-7792

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 23776	Date: 01/13/2009 20:30						
1664A	MB 220-23776/1	HEM	5.0	U	mg/L	5.0	1
1664A	MB 220-23776/1	SGT-HEM	0.90	J	mg/L	5.0	1

FORM III-IN

7A-IN
LAB CONTROL SPIKE
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job No.: 220-7792-1

SDG No.: 220-7792

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 23776		Date: 01/13/2009 20:30									
						LCS Source:		W1664LCS_00014			
1664A	LCS 220-23776/2	HEM	39.10		mg/L	40.0	98	78-114			
1664A	LCS 220-23776/2	SGT-HEM	18.20		mg/L	20.0	91	78-114			

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

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job Number: 220-7792-1

SDG Number: 220-7792

Matrix: Water Instrument ID: NOEQUIP

Analysis Method: 1664A MDL Date: 03/23/2008 08:16

Prep Method:

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
HEM		5	1.7
SGT-HEM		5	0.625

FORM IX - IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Connecticut Job No.: 220-7792-1

SDG No.: 220-7792

Instrument ID: NOEQUIP Method: 1664A

Start Date: 01/13/2009 20:30 End Date: 01/13/2009 20:30

Lab Sample ID	D/F	Type	Time	Analytes	
				HEM	SGTHEM
MB 220-23776/1	1	T	20:30	X	X
LCS 220-23776/2	1	T	20:30	X	X
ZZZZZZ			20:30		
ZZZZZZ			20:30		
ZZZZZZ			20:30		
ZZZZZZ			20:30		
ZZZZZZ			20:30		
ZZZZZZ			20:30		
220-7792-1	1	T	20:30	X	X
ZZZZZZ			20:30		
ZZZZZZ			20:30		
ZZZZZZ			20:30		

Prep Types
T = Total/NA

MISCELLANEOUS DOCUMENTS

D845

7792

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 Sedlak	Samplers Name (Printed)	Job: D845
Company: TestAmerica Edison	P.O. # send invoice with report	site: Newark PVSC
Address: 777 New Durham Road		State (Location of site): NJ: X NY: Other:
City: Edison, New Jersey 08817	Analysis Turnaround Time: Standard ☐	Regulatory Program: Reduced
Phone: 732-549-3900 Fax: 732-5493679	Rush Charges Authorized For: 2 Week ☐ 1 Week HC 8 day HC Other X	

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

Sample Identification	Date	Time	Matrix	No. of Cont.	1664 O&G and TPH											LAB USE ONLY Project No: / Job No: / Sample Numbers
20630002-1 Grab (1)	1/9/2009	11:35	Aq	2	2											

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

Soil:														
Water:	2													

Special Instructions

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	TestAmerica Edison	1/12/09, 20:00	1) UPS	
Relinquished by 2)	Company	Date / Time	Received by 2) [signature] 1-13-09 10.20	Company

Test America Connecticut

PASSED RAD SCREEN

2.0°C