2655 Park Center Drive, Suite A Simi Valley, California 93065 (805) 526-7161 (805) 526-7270 fax

Columbia Analytical Services INC.
An Employee - Owned Company

November 15, 2007

Mr. Anand Helekar
TRC
21 Technology Drive
Irvine, CA 92618

RE: P2703044
WDI

Dear Mr. Helekar:

Enclosed are the results of the sample(s) submitted to our laboratory on October 1, 2007. For your reference, these analyses have been assigned our service request number P2703044.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein. Your report contains 187 pages.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; Department of the Navy (NFESC); Pennsylvania Registration No. 68-03307. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

Columbia Analytical Services, Inc.

Kate Aguilera

Kate Aguilera
Project Manager

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Columbia Analytical Services INC.
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LABORATORY REPORT

Client:	TRC	Date of Report:	11/15/07
Address:	21 Technology Drive	Date Received:	10/01/07
	Irvine, CA 92618	CAS Project No:	P2703044
Contact:	Mr. Anand Helekar	Purchase Order:	IRV-804336

Client Project ID: WDI

Fourteen (14) Stainless Steel Summa Canisters labeled:

"WDI-VW29-S-9-27-07"	"WDI-VW29-I-9-27-07"	"WDI-VW29-D-9-27-07"
"WDI-VW61-S-9-27-07"	"WDI-VW61-I-9-27-07"	"WDI-VW61-D-9-27-07"
"WDI-VW61-DAC-9-27-07"	"WDI-VW25-9-27-07"	"WDI-VW46-S-9-27-07"
"WDI-VW46-I-9-27-07"	"WDI-VW46-D-9-27-07"	"WDI-VW-BLANKS-9-27-07"
"WDI-VW-BLANKS-9-27-07"	"WDI-VW-BLANKS-9-27-07"	

The samples were received at the laboratory under chain of custody on October 1, 2007. The samples were received intact. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time that they were received at the laboratory.

Methane and Total Gaseous Non-Methane Organics as Methane Analysis

Twelve of the samples were analyzed for methane and all of the samples were analyzed for total gaseous non-methane organics as methane according to modified EPA Method 25C. The analyses included a single sample injection (method modification) analyzed by gas chromatography using flame ionization detection/total combustion analysis.

Fixed Gases Analysis

All of the samples were analyzed for fixed gases (hydrogen, oxygen/argon, nitrogen, carbon monoxide, and carbon dioxide) and two of the samples were also analyzed for methane according to modified EPA Method 3C (single injection) using a gas chromatograph equipped with a thermal conductivity detector (TCD).

Reviewed and Approved:

Wade Henton
GC-VOA Team Leader
Air Quality Laboratory

Reviewed and Approved:

Chris Parnell
GCMS-VOA Team Leader
Air Quality Laboratory

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CAS Project No: P2703044

Volatile Organic Compound Analysis

The samples were also analyzed by combined gas chromatography/mass spectrometry (GC/MS) for volatile organic compounds. The analyses were performed according to the methodology outlined in EPA Method TO-15. However, the method was modified to include pressurization with helium. The analyses were performed by gas chromatography/mass spectrometry, utilizing a direct cryogenic trapping technique. The analytical systems used were comprised of an Agilent Model 5973inert GC/MS/DS and an Agilent Model 5975Binert GC/MS/DS each interfaced to a Tekmar AutoCan Elite whole air inlet system/cryogenic concentrator. A 100% Dimethylpolysiloxane capillary column (RT_x-1, Restek Corporation, Bellefonte, PA) was used to achieve chromatographic separation.

The percent difference CCV report includes both positive and negative percent difference calculations, where positive percent differences correspond to biased low results and negative percent differences to biased high results.

The percent difference for vinyl acetate was outside the continuing calibration verification (CCV) method requirements on October 6 and October 8, 2007 on the instrument labeled MS13. The method reporting limit (MRL) was not affected because the response factor was biased high.

On October 7, 2007, vinyl acetate was biased low on the CRQL on the instrument labeled MS13.

On October 10, 2007, acetone was biased high on the CRQL on the instrument labeled MS8.

On October 15, 2007, chloromethane, vinyl chloride, acetone and carbon disulfide were biased high on the CRQL on the instrument labeled MS8; however, the sample analyzed on this day was for a dilution of trichlorofluoromethane only.

The dilution for trichlorofluoromethane on the sample labeled "WDI-VW46-I-9-27-07" was analyzed outside of the client's specified hold time.

The results of analyses are given in the attached data package. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-001

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00848

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.5
Pi 2 = -2.1 Pf 2 = 3.0 D.F. = 2.20

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	1.1	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	2.2	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -2.9 Pf 1 = 3.5
Pi 2 = -2.2 Pf 2 = 2.0 D.F. = 2.06

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	1.0	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**2.2**	2.1	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-003

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00002

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.1 Pf 1 = 3.5
D.F. = 1.57

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.9**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**1.6**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-004

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00626

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.3 Pf 1 = 3.5
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.0**	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**1.6**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-004DUP

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00626

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.3 Pf 1 = 3.5
D.F. = 1.60

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.2**	0.80	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**1.8**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-005

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00598

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**3.1**	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.1**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-006

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00431

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.2 Pf 1 = 3.5
D.F. = 1.58

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**1.9**	0.79	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**3.7**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-DAC-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-007

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00628

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	**2.1**	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**4.1**	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW25-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-008

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00122

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**20**	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWL Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-009

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00949

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.4 Pf 1 = 3.6
D.F. = 1.62

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.81	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**5.6**	1.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.83	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**6.3**	1.7	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: Kell Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

Pi 1 = -1.4 Pf 1 = 3.7
D.F. = 1.38

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	**6.9**	1.4	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-012

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00718

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-013

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01197

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	**Compound**	**Result** **ppmV**	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RCH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	Compound	Result ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-MB

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.50 ml

D.F. = 1.00

CAS #	**Compound**	**Result** ppmV	MRL ppmV	Data Qualifier
74-82-8	Methane	ND	0.50	
	Total Gaseous Nonmethane Organics (TGNMO) as Methane	ND	1.0	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RCCH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Lab Control Sample**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 25C Modified
Instrument ID: HP5890II/GC1/FID/TCA
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Methane	57.5	60.5	105	90-110	
Total Gaseous Nonmethane Organics (TGNMO) as Methane	345	344	100	90-110	

Verified By: WH Date: 11/12/07

Response Factor Report GC 01

Method : J:\GC01\METHODS\M102006.M (Chemstation Integrator)
Title : EPA 25C TCA/FID Analysis for TGNMO
Last Update : Mon Oct 23 16:38:21 2006
Response via : Initial Calibration

Calibration Files
1 =10200606.D 2 =10200607.D 3 =10200608.D
4 =10200609.D 5 =10200610.D 6 =10200611.D

	Compound	1	2	3	4	5	6	Avg		%RSD
1)	Carbon Monoxide	5.184	5.715	5.812	6.058	6.017	6.064	5.808	E3	5
2)	Methane	6.638	6.124	6.356	6.256	6.204	6.190	6.295	E3	2
3)	Carbon Dioxide	5.461	7.056	6.139	6.279	6.073	6.194	6.200	E3	8
4)	TGNMO-1	6.773	6.683	5.923	6.159	6.535	6.429	6.417	E3	5
5)	TGMNO-2	6.773	6.683	5.923	6.159	6.535	6.429	6.417	E3	5

VB 10/23/06

!) = Out of Range

Compound #2: Methane (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.550	3651			
2	4.034	24705			
3	11.006	69950			
4	80.680	504760			
5	2751.710	17070304			
6	20178.000	124856778			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

Prev | Next | Plot | Page 1 | Page 2 | OK | Cancel | Help

Compound #4: TGHMO-1 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96872			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

Prev | Next | Plot | Page 1 | Page 2 | OK | Cancel | Help

Compound #5: TGMHO-2 (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	0.819	5547			
2	6.000	40100			
3	16.371	96972			
4	120.000	739089			
5	4072.300	26614390			
6	29850.000	191892442			

	Integration Parameter File	Sum?
Tgt		
		☐
		☐
		☐

Prev | Plot | Page 1 | Page 2 | OK | Cancel | Help

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2703044
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 10/10/07
Printed : 11/15/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
ICAL Mean RT	1.366	1.799	3.038	4.833				
RT Windows (+/- min)	0.330	0.330	0.330	0.330				
STD 100/80ppm S14-08060703	1.458	1.886	3.098	4.848			10100701.D	09:07
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass				
MB			3.074 Pass	N/A	N/A		10100702.D	09:22
Lab air	1.243 Pass	1.830 Pass	3.060 Pass	N/A	N/A		10100703.D	09:43
LCS 345ppm S14-04050602	1.406 Pass	1.834 Pass	3.063 Pass	N/A	N/A		10100704.D	09:58
3044-002 v	1.293 Pass		Vent	N/A	N/A		10100705.D	10:26
3044-001 v	1.270 Pass	1.837 Pass	Vent	N/A	N/A		10100706.D	10:38
3044-004 v	1.391 Pass	1.836 Pass	Vent	N/A	N/A		10100707.D	10:53
3044-004dup v	1.408 Pass	1.828 Pass	Vent	N/A	N/A		10100708.D	11:05
3044-003 v	1.390 Pass	1.825 Pass	Vent	N/A	N/A		10100709.D	11:35
3044-006 v	1.284 Pass	1.829 Pass	Vent	N/A	N/A		10100710.D	11:47
3044-005 v		1.839 Pass	Vent	N/A	N/A		10100711.D	12:32
3044-008 v	1.280 Pass	1.830 Pass	Vent	N/A	N/A		10100712.D	12:45
3044-007 v	1.279 Pass	1.833 Pass	Vent	N/A	N/A		10100713.D	13:15
3044-010 v	1.277 Pass		Vent	N/A	N/A		10100714.D	13:30
STD 100/80ppm S14-08060703	1.406 Pass	1.834 Pass	3.066 Pass	N/A	N/A		10100715.D	14:00
STD 100/80ppm S14-08060703	1.409 Pass	1.838 Pass	3.070 Pass	N/A	N/A		10100721.D	15:29

vv = Vent CO_2 / CH_4 v = Vent CO_2 N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
ACTUAL	100.1	80.1	100.7			101.2		
CCV Criteria (+/- %D)	10.0%	10.0%	10.0%			10.0%		
STD 100/80ppm S14-08060703	94.8 Pass	76.3 Pass	91.2 Pass			104.1 Pass	10100701.D	09:07
STD 100/80ppm S14-08060703	92.0 Pass	74.0 Pass	93.5 Pass			102.2 Pass	10100715.D	14:00
STD 100/80ppm S14-08060703	91.5 Pass	73.8 Pass	88.0 Fail			101.2 Pass	10100721.D	15:29

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9			345.0		
LCS Criteria (% Range)	96% -120%	96% - 128%	81% - 117%			82% - 109%		
LCS 345ppm S14-04050602	62.9	60.5	60.2			343.5	10100704.D	09:58
LCS % Recovery	109%	105%	104%			100%		
	Pass	Pass	Pass			Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
3044-004 v	0.6	1.2	Vent			1.0	10100707.D	10:53
3044-004dup v	0.7	1.4	Vent			1.1	10100708.D	11:05
Duplicate % RPD	27.2%	12.9%				12.1%		
Duplicate Criteria % RPD	20%	26%	15%			16%		
	Fail	Pass				Pass		

Modified EPA Method 25C Daily QC Summary

Job# : TRC P2703044
Analyst : WHH
Method Name : EPA 25C TCA/FID Analysis for TGNMO

Instrument : GC01/TCD1
Date Analyzed : 10/10/07
Printed : 11/15/07

RT Summaries and QC Check (minutes)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide	TGNMO-1	TGMNO-2		File ID	Time
ICAL Mean RT	1.366	1.799	3.038	4.833				
RT Windows (+/- min)	0.330	0.330	0.330	0.330				
STD 100/80ppm S14-08060703	1.458	1.886	3.098	4.848			10100701.D	09:07
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass				
MB			3.074 Pass	N/A	N/A		10100702.D	09:22
Lab air	1.243 Pass	1.830 Pass	3.060 Pass	N/A	N/A		10100703.D	09:43
LCS 345ppm S14-04050602	1.406 Pass	1.834 Pass	3.063 Pass	N/A	N/A		10100704.D	09:58
3044-004 v	1.391 Pass	1.836 Pass	Vent	N/A	N/A		10100707.D	10:53
3044-004dup v	1.408 Pass	1.828 Pass	Vent	N/A	N/A		10100708.D	11:05
STD 100/80ppm S14-08060703	1.406 Pass	1.834 Pass	3.066 Pass	N/A	N/A		10100715.D	14:00
3044-009 v	1.283 Pass		Vent	N/A	N/A		10100716.D	14:13
3044-012 v			Vent	N/A	N/A		10100717.D	14:28
3044-011 v	1.267 Pass	1.836 Pass	Vent	N/A	N/A		10100718.D	14:41
3044-014 v			Vent	N/A	N/A		10100719.D	15:04
3044-013 v			Vent	N/A	N/A		10100720.D	15:16
STD 100/80ppm S14-08060703	1.409 Pass	1.838 Pass	3.070 Pass	N/A	N/A		10100721.D	15:29

vv = Vent CO_2 / CH_4 v = Vent CO_2 N/A : Not Applicable

Continuing Calibration Standards Summary (ppm)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
ACTUAL	100.1	80.1	100.7			101.2		
CCV Criteria (+/- %D)	10.0%	10.0%	10.0%			10.0%		
STD 100/80ppm S14-08060703	94.8 Pass	76.3 Pass	91.2 Pass			104.1 Pass	10100701.D	09:07
STD 100/80ppm S14-08060703	92.0 Pass	74.0 Pass	93.5 Pass			102.2 Pass	10100715.D	14:00
STD 100/80ppm S14-08060703	91.5 Pass	73.8 Pass	88.0 Fail			101.2 Pass	10100721.D	15:29

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
LCS Actual Conc. (ppm)	57.9	57.5	57.9			345.0		
LCS Criteria (% Range)	96% -120%	96% - 128%	81% - 117%			82% - 109%		
LCS 345ppm S14-04050602	62.9	60.5	60.2			343.5	10100704.D	09:58
LCS % Recovery	109%	105%	104%			100%		
	Pass	Pass	Pass			Pass		

Lab Dup Summary (ppm, without DF correction)

Sample ID	Carbon Monoxide	Methane	Carbon Dioxide			TGMNO	File ID	Time
3044-004 v	0.6	1.2	Vent			1.0	10100707.D	10:53
3044-004dup v	0.7	1.4	Vent			1.1	10100708.D	11:05
Duplicate % RPD	27.2%	12.9%				12.1%		
Duplicate Criteria % RPD	20%	26%	15%			16%		
	Fail	Pass				Pass		

Injection Log

Directory: j:\gc01\data\25c\2006_10\20

le	Vial	FileName	Multiplier		SampleName	Misc Info	Injected
	1	10200601.d	1.		STD 100/80ppmS14-10110605		20 Oct 106 12::4
	1	10200602.d	1.		MB		20 Oct 106 12::5
	1	10200603.d	1.		Lab Air		20 Oct 106 12::0
	1	10200604.d	1.		LCS 345ppm		20 Oct 106 12::2
	1	10200605.d	1.		test low		20 Oct 106 13::5
	1	10200606.d	1.		STD 25C low level small loop	S14-10110606	20 Oct 106 13::0
	1	10200607.d	1.		STD 25C low level normal loop	S14-10110606	20 Oct 106 13::3
	1	10200608.d	1.		STD 25C mid level small loop	S14-10110605	20 Oct 106 12::0
	1	10200609.d	1.		STD 25C mid level normal loop	S14-10110605	20 Oct 106 12::2
	1	10200610.d	1.		STD 25C high level small loop	S14-10200601	20 Oct 106 12::1
	1	10200611.d	1.		STD 25C high level normal loop	S14-10200601	20 Oct 106 12::3
	1	10200612.d	1.		ICV S14-03270602		20 Oct 106 12::5
	1	10200613.d	1.		ICV S14-03270602	aprox 100/80ppm	20 Oct 106 12::2
	1	10200614.d	1.	X	MB electrical noise		20 Oct 106 12::3
	1	10200615.d	1.		MB good		20 Oct 106 12::0
	1	10200616.d	1.		MB		20 Oct 106 12::2

[illegible] 10/23/06

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 10 / 10 / 2007 DATA SYSTEM: HP Chemstation ANALYSIS: ___25C ✓ 25C(MOD.) ___3C ___3C(MOD.)

INJECTOR: PACKED COLUMN
VALVE SYSTEM:
3C ___ REGULAR LOOP (100µL) ___ OTHER _____
25C ___ REGULAR LOOP (500µL) ___ SMALL LOOP (7.33:1)

COLUMN ID's:
___8' X 1/8" CARBOSPHERE
___4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE

TEMPERATURE PROGRAMMING:
INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

CARRIER GAS: He 25.1 mL/min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH, 1.5 min LOW
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA25C(200)_10\10\ **METHOD FILE NAME: J:\GC1\METHODS**_____.M

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	std 100/80 ppm	S14-08060703	ZW
02	MB		
03	Lab Air		
04	LCS 345 ppm	S14-04050602	
05	3044-002 ✓	TRC	
06	-001		
07	-004		
08	-004 dup		
09	-003		
10	-006		
11	-005		
12	-008		
13	-007		
14	-010		
15	std 100/80 ppm		
16	3044-009 ✓	TRC	
17	-012		
18	-011		
19	-014		
20	-013		
21	std 100/80 ppm		ZW
22	wait		
23			
24			
25			
26			
27		ZW	
28			
29		10/11/07	
30			
31			
32			
33			
34			
35			
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40			

28

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW29-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-001

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00848

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5
Pi 2 = -2.1 Pf 2 = 3.0 D.F. = 2.20

CAS #	**Compound**	**Result** (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.22	
7782-44-7 7440-37-1	Oxygen + Argon *	**16.5**	0.22	
7727-37-9	Nitrogen	**79.1**	0.22	
630-08-0	Carbon Monoxide	ND	0.22	
124-38-9	Carbon Dioxide	**4.40**	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -2.9 Pf 1 = 3.5
Pi 2 = -2.2 Pf 2 = 2.0 D.F. = 2.06

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.21	
7782-44-7 7440-37-1	Oxygen + Argon *	**10.5**	0.21	
7727-37-9	Nitrogen	**82.3**	0.21	
630-08-0	Carbon Monoxide	ND	0.21	
124-38-9	Carbon Dioxide	**7.21**	0.21	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW29-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-003

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00002

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5
D.F. = 1.57

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**19.1**	0.16	
7727-37-9	Nitrogen	**78.9**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**2.07**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW29-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-003DUP

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00002

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.1 Pf 1 = 3.5
D.F. = 1.57

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**19.0**	0.16	
7727-37-9	Nitrogen	**78.8**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**2.15**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW61-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-004

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00626

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.3 Pf 1 = 3.5
D.F. = 1.60

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**20.2**	0.16	
7727-37-9	Nitrogen	**78.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**1.64**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: tmH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW61-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-005

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00598

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.4 Pf 1 = 3.5
D.F. = 1.61

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**7.30**	0.16	
7727-37-9	Nitrogen	**84.7**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**8.04**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW61-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-006

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00431

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.2 Pf 1 = 3.5
D.F. = 1.58

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**13.0**	0.16	
7727-37-9	Nitrogen	**79.2**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**7.80**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW61-DAC-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-007

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00628

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**12.6**	0.17	
7727-37-9	Nitrogen	**79.2**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**8.24**	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW25-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-008

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00122

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**1.18**	0.17	
7727-37-9	Nitrogen	**81.0**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
74-82-8	Methane	**0.258**	0.17	
124-38-9	Carbon Dioxide	**17.5**	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KCH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW46-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-009

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00949

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.4 Pf 1 = 3.6
D.F. = 1.62

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.16	
7782-44-7 7440-37-1	Oxygen + Argon *	**7.32**	0.16	
7727-37-9	Nitrogen	**82.5**	0.16	
630-08-0	Carbon Monoxide	ND	0.16	
124-38-9	Carbon Dioxide	**10.1**	0.16	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -3.6 Pf 1 = 3.6
D.F. = 1.65

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.17	
7782-44-7 7440-37-1	Oxygen + Argon *	**6.82**	0.17	
7727-37-9	Nitrogen	**82.4**	0.17	
630-08-0	Carbon Monoxide	ND	0.17	
124-38-9	Carbon Dioxide	**10.8**	0.17	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

Pi 1 = -1.4 Pf 1 = 3.7
D.F. = 1.38

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.14	
7782-44-7 7440-37-1	Oxygen + Argon *	**13.8**	0.14	
7727-37-9	Nitrogen	**84.5**	0.14	
630-08-0	Carbon Monoxide	ND	0.14	
74-82-8	Methane	**0.497**	0.14	
124-38-9	Carbon Dioxide	**1.15**	0.14	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: RLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-012

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00718

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7 7440-37-1	Oxygen + Argon *	**23.1**	0.10	
7727-37-9	Nitrogen	**76.9**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-013

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01197

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7 7440-37-1	Oxygen + Argon *	**20.9**	0.10	
7727-37-9	Nitrogen	**79.0**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 09/27/07
Date Received: 10/01/07
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

CAS #	Compound	Result (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7 7440-37-1	Oxygen + Argon *	**21.3**	0.10	
7727-37-9	Nitrogen	**78.6**	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client : **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-MB

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: 0.10 ml

D.F. = 1.00

CAS #	**Compound**	**Result** (%, v/v)	MRL (%, v/v)	Data Qualifier
1333-74-0	Hydrogen	ND	0.10	
7782-44-7 7440-37-1	Oxygen + Argon *	ND	0.10	
7727-37-9	Nitrogen	ND	0.10	
630-08-0	Carbon Monoxide	ND	0.10	
74-82-8	Methane	ND	0.10	
124-38-9	Carbon Dioxide	ND	0.10	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
* = Coeluting Compounds

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Lab Control Sample**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-LCS

Laboratory Control Sample Summary

Test Code: EPA Method 3C Modified
Instrument ID: HP5890II/GC1/TCD
Analyst: Wade Henton
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: NA

Compound	Spike Amount LCS ppmV	Result LCS ppmV	**% Recovery LCS**	Acceptance Limits	Data Qualifier
Hydrogen	40,300	39,900	**99**	90-110	
Oxygen + Argon *	50,600	52,500	**104**	90-110	
Nitrogen	50,100	53,100	**106**	90-110	
Carbon Monoxide	50,100	52,800	**105**	90-110	
Methane	40,500	42,300	**104**	90-110	
Carbon Dioxide	50,100	53,000	**106**	90-110	

Verified By: KLH Date: 11/12/07

Response Factor Report GC 01

Method : J:\GC01\METHODS\3C082007.M (Chemstation Integrator)
Title : EPA 3C GC/TCD Analysis for Fixed Gases
Last Update : Wed Jun 13 16:10:10 2007

Calibration Files
1 =08200708.D 2 =08200709.D 3 =08200710.D
4 =08200711.D 5 =08200712.D

	Compound	1	2	3	4	5	Avg		%RSD
1)	Hydrogen	0.858	0.834	0.916	1.084	0.962	0.931	E1	10.66
2)	Oxygen	1.395	1.175	1.301	1.319	1.104	1.259	E1	9.31
3)	Nitrogen	1.675	1.341	1.459	1.507	1.282	1.453	E1	10.54
4)	Carbon Monoxide	1.375	1.292	1.442	1.479	1.249	1.367	E1	7.11
5)	Methane	1.029	0.983	1.087	1.103	0.931	1.027	E1	6.97
6)	Carbon Dioxide	1.535	1.500	1.663	1.680	1.415	1.559	E1	7.18

8/21/07

ǂ) = Out of Range

Compound #1: Hydrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.255	294			
2	681.700	5684			
3	4010.000	36737			
4	41984.700	455255			
5	72180.000	694699			

	Integration Parameter File	Sum?
Tgt		
Q1		
Q2		
Q3		

Area Correction Mass 0.00

Correction Factor 0.000

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Compound #2: Oxygen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	43.010	600			
2	849.490	9984			
3	4997.000	65000			
4	52318.590	690251			
5	89946.000	993213			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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Compound #3: Nitrogen (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	713			
2	859.180	11525			
3	5054.000	73717			
4	52915.380	797242			
5	90972.000	1166444			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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Compound #4: Carbon Monoxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	585			
2	850.850	10994			
3	5005.000	72179			
4	52402.350	775048			
5	90090.000	1124961			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Bias: 0.00

Correction Factor: 0.000

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Compound #5: Methane (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	34.425	354			
2	680.850	6693			
3	4005.000	43525			
4	41932.350	462524			
5	72090.000	671241			

	Integration Parameter File	Sum?
Tgt		
Q1		
Q2		
Q3		

Area Correction Bias: 0.00

Correction Factor: 0.000

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Compound #6: Carbon Dioxide (Page 3)

Lvl ID	Conc	Response	Lvl ID	Conc	Response
1	42.585	654			
2	856.120	12846			
3	5036.000	83745			
4	52726.692	885704			
5	90648.000	1282927			

	Integration Parameter File	Sum?
Tgt		
Q1		☐
Q2		☐
Q3		☐

Area Correction Mass: 0.00

Correction Factor: 0.000

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Modified EPA Method 3C Daily QC Summary

Calient & job# : TRC P2703044
Analyst : WHH
Method Name : EPA 3C GC/TCD Analysis for Fixed Gases

Instrument : GC01/TCD1
Date Analyzed : 10/10/07
Printed : 11/15/07

RT Summaries and QC Check (minutes)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ICAL Mean RT	0.754	2.291	2.472	3.165	5.134	6.786		
RT Windows (+/- min)	0.125	0.137	0.125	0.216	0.142	0.216		
STD 50000ppm S14-12070502	0.718	2.263	2.445	3.136	5.131	6.792	10100701.D	09:07
+/- 0.33min of ICAL Mean RT	Pass	Pass	Pass	Pass	Pass	Pass		
MB							10100702.D	09:22
Lab Air		2.225 Pass	2.369 Pass			6.799 Pass	10100703.D	09:43
LCS 50000ppm S14-07240702	0.719 Pass	2.267 Pass	2.448 Pass	3.138 Pass	5.132 Pass	6.792 Pass	10100704.D	09:58
3044-001		2.240 Pass	2.394 Pass			6.790 Pass	10100705.D	10:26
3044-002		2.246 Pass	2.395 Pass			6.788 Pass	10100706.D	10:38
3044-003		2.244 Pass	2.395 Pass			6.797 Pass	10100707.D	10:53
3044-003dup		2.232 Pass	2.383 Pass			6.793 Pass	10100708.D	11:05
3044-004		2.240 Pass	2.393 Pass			6.796 Pass	10100709.D	11:35
3044-005		2.246 Pass	2.386 Pass			6.787 Pass	10100710.D	11:47
3044-006		2.252 Pass	2.399 Pass			6.798 Pass	10100711.D	12:32
3044-007		2.243 Pass	2.391 Pass			6.793 Pass	10100712.D	12:45
3044-008		2.257 Pass	2.384 Pass		5.137 Pass	6.782 Pass	10100713.D	13:15
3044-009		2.249 Pass	2.391 Pass			6.790 Pass	10100714.D	13:30
STD 50000ppm S14-12070502	0.718 Pass	2.263 Pass	2.445 Pass	3.134 Pass	5.130 Pass	6.792 Pass	10100715.D	14:00
3044-010		2.237 Pass	2.375 Pass			6.787 Pass	10100716.D	14:13
3044-011		2.243 Pass	2.383 Pass		5.138 Pass	6.799 Pass	10100717.D	14:28
3044-012		2.255 Pass	2.432 Pass				10100718.D	14:41
3044-013		2.248 Pass	2.428 Pass				10100719.D	15:04
3044-014		2.266 Pass	2.443 Pass				10100721.D	15:29
STD 50000ppm S14-12070502	0.718 Pass	2.271 Pass	2.453 Pass	3.143 Pass	5.138 Pass	6.797 Pass	10100722.D	15:45

Continuing Calibration Standards Summary (ppm)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
ACTUAL	40400.0	50200.0	50100.0	49700.0	40150.0	49850.0		
CCV Criteria (+/- %D)	15.0%	10.0%	10.0%	10.0%	10.0%	10.0%		
STD 50000ppm S14-12070502	39058.0 Pass	51776.315 Pass	49840.967 Pass	52772.041 Pass	42612.123 Pass	52807.457 Pass	10100701.D	09:07
STD 50000ppm S14-12070502	39213.131 Pass	51765.108 Pass	49720.302 Pass	52912.171 Pass	42382.152 Pass	52784.467 Pass	10100715.D	14:00
STD 50000ppm S14-12070502	40202.822 Pass	52176.663 Pass	50283.652 Pass	52947.713 Pass	42762.017 Pass	52806.877 Pass	10100722.D	15:45

Lab Dup Summary (ppm, without DF correction and nomalization)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
Duplicate Criteria % RPD	37%	24%	19%	7%	10%	15%		
3044-003		116427.7	481559.3			12669.1	10100707.D	10:53
3044-003dup		115896.0	480351.5			13132.5	10100708.D	11:05
Duplicate % RPD		0.5% Pass	0.3% Pass			3.6% Pass		

LCS / LCS Dup Summary (ppm, without DF correction)

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxide	Methane	Carbon Dioxide	File ID	Time
LCS Actual Conc. (ppm)	40400.0	50200.0	50100.0	49700.0	40150.0	49850.0		
LCS Criteria (% Range)	85% -115%	90% - 110%	90% - 110%	90% - 110%	90% - 110%	90% - 110%		
LCS 50000ppm S14-07240702	39929.9	52517.5	53084.3	52836.4	42281.1	53031.6	10100704.D	09:58
LCS % Recovery	99% Pass	105% Pass	106% Pass	106% Pass	105% Pass	106% Pass		

Lab Air QC Summary

Sample ID	Hydrogen	Oxygen	Nitrogen	Carbon Monoxid	Methane	Carbon Dioxide	Lab Air Criteria Total (90%-110%)
Lab Air		211653.9	752764.8			380.0	96.5% Pass
Lab Air Normalized (%)		21.94%	78.02%			0.04%	100.0%

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Injection Log

Directory: j:\gc01\data\fxg\2007_08\20

ine	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	1	08200701.d	10.	STD 50000ppm S14-12150601		20 Aug 107 12::
	1	08200702.d	10.	STD 50000ppm S14-12150601		20 Aug 107 13::
	1	08200703.d	10.	MB		20 Aug 107 13::
	1	08200704.d	10.	Lab Air		20 Aug 107 13::
	1	08200705.d	10.	wait		20 Aug 107 13::
	1	08200706.d	10.	test		20 Aug 107 12::
	1	08200707.d	10.	test		20 Aug 107 12::
	1	08200708.d	10.	STD-1 S14-03260601 (loop 0.17)		20 Aug 107 12::
	1	08200709.d	10.	STD-2 S14-12150601 (loop 0.17) good		20 Aug 107 12::
0	1	08200710.d	10.	STD-3 S14-12150601 (loop 1.0)		20 Aug 107 12::
1	1	08200711.d	10.	STD-4 S14-12150601 (loop 10.47)		20 Aug 107 12::
2	1	08200712.d	10.	STD-5 S14-12150601 (loop 18.0)		20 Aug 107 12::
3	1	08200713.d	10.	misinject		20 Aug 107 12::
4	1	08200714.d	10.	ICV lab air		20 Aug 107 12::
5	1	08200715.d	10.	ICV 50000ppm S14-07240701		20 Aug 107 12::
6	1	08200716.d	10.	ICV 50000ppm S14-07240701 good		20 Aug 107 12::
7	1	08200717.d	10.	MB		20 Aug 107 12::
8	1	08200718.d	10.	MB good		21 Aug 107 13::

WT 8/22/07

COLUMBIA ANALYTICAL SERVICES
SAMPLE RUN LOG
ID: HP 5890 SERIES II / GC1

DATE: 10 / 10 / 2007 DATA SYSTEM: HP Chemstation ANALYSIS: ___25C ___25C(MOD.) ___3C ✓ 3C(MOD.)

INJECTOR: PACKED COLUMN
VALVE SYSTEM:
3C ___ REGULAR LOOP (100µL) ___ OTHER _____
25C ___ REGULAR LOOP (500µL) ___ SMALL LOOP (7.33:1)

COLUMN ID's:
___8' X 1/8" CARBOSPHERE
___4' X 1/8" TENAX / HAYSEP Q / CARBOSPHERE

TEMPERATURE PROGRAMMING:
INITIAL AT 50 °C FOR 2 min
RAMP RATE 30 °C/min TO 200 °C HOLD FOR 1 min

CARRIER GAS: He 25.1 mL/min

DETECTOR INFO: HP TCD #1: 260 °C SENSITIVITY: INITIAL HIGH, 1.5 min LOW
HP FID #1: 280 °C POLARITY: INITIAL NEGATIVE, 1.5 min POSITIVE

DATA PATHWAY: J:\GC1\DATA\Fxg\2007-10\10 **METHOD FILE NAME: J:\GC1\METHODS_____.M**

	DATA FILE HEADER INFO	CLIENT	ANALYST
01	Std 50000 ppm S14-12070502		ZW
02	MB		
03	Lab Air		
04	LCS 50000 ppm S14-07240701		
05	3044-001	TRC	
06	-002		
07	-003		
08	-003		
09	-004		
10	-005		
11	-006		
12	-007		
13	-008		
14	-009		
15	Std 50000 ppm		
16	3044-010	TRC	
17	-011		
18	-012		
19	-013		
20	-014		
21	3044-014	TRC	ZW
22	Std 50000 ppm		
23			
24			
25			
26			
27			
28			
29	ZW		
30			
31	10/11/07		
32			
33			
34			
35			
36			
37			
38			
39			
40			

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COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00848

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5
Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**29**	7.9	**12**	3.3	
75-69-4	Trichlorofluoromethane	**1.7**	1.6	**0.30**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	ND	1.6	ND	0.45	
76-13-1	Trichlorotrifluoroethane	**3.6**	1.6	**0.47**	0.20	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	7.9	ND	2.2	
78-93-3	2-Butanone (MEK)	**5.4**	1.6	**1.8**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**52**	1.6	**16**	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-001

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00848

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**11**	1.6	**3.0**	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	**2.6**	1.6	**0.38**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**2.2**	1.6	**0.52**	0.36	
179601-23-1	*m,p*-Xylenes	**9.9**	1.6	**2.3**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	ND	1.6	ND	0.37	
95-47-6	o-Xylene	**3.4**	1.6	**0.78**	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.75	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.40	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**13**	7.7	**5.6**	3.2	
75-69-4	Trichlorofluoromethane	**2.9**	1.5	**0.52**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	**21**	1.5	**2.8**	0.20	
75-15-0	Carbon Disulfide	**4.5**	1.5	**1.4**	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.43	
108-05-4	Vinyl Acetate	ND	7.7	ND	2.2	
78-93-3	2-Butanone (MEK)	**5.5**	1.5	**1.9**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**96**	1.5	**30**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5
Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**7.9**	1.5	**2.1**	0.41	
591-78-6	2-Hexanone	**1.7**	1.5	**0.41**	0.38	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	**16**	1.5	**2.3**	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	ND	1.5	ND	0.35	
179601-23-1	*m,p*-Xylenes	**6.0**	1.5	**1.4**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	**1.8**	1.5	**0.43**	0.36	
95-47-6	o-Xylene	**2.1**	1.5	**0.48**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5

Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.5	ND	0.75	
75-01-4	Vinyl Chloride	ND	1.5	ND	0.60	
74-83-9	Bromomethane	ND	1.5	ND	0.40	
75-00-3	Chloroethane	ND	1.5	ND	0.58	
67-64-1	Acetone	**13**	7.7	**5.4**	3.2	
75-69-4	Trichlorofluoromethane	**2.6**	1.5	**0.46**	0.27	
75-35-4	1,1-Dichloroethene	ND	1.5	ND	0.39	
75-09-2	Methylene chloride	ND	1.5	ND	0.44	
76-13-1	Trichlorotrifluoroethane	**20**	1.5	**2.7**	0.20	
75-15-0	Carbon Disulfide	**4.1**	1.5	**1.3**	0.49	
156-60-5	trans-1,2-Dichloroethene	ND	1.5	ND	0.39	
75-34-3	1,1-Dichloroethane	ND	1.5	ND	0.38	
1634-04-4	Methyl tert-Butyl Ether	ND	1.5	ND	0.43	
108-05-4	Vinyl Acetate	ND	7.7	ND	2.2	
78-93-3	2-Butanone (MEK)	**5.3**	1.5	**1.8**	0.52	
156-59-2	cis-1,2-Dichloroethene	ND	1.5	ND	0.39	
67-66-3	Chloroform	ND	1.5	ND	0.32	
107-06-2	1,2-Dichloroethane	ND	1.5	ND	0.38	
71-55-6	1,1,1-Trichloroethane	ND	1.5	ND	0.28	
71-43-2	Benzene	**93**	1.5	**29**	0.48	
56-23-5	Carbon Tetrachloride	ND	1.5	ND	0.24	
78-87-5	1,2-Dichloropropane	ND	1.5	ND	0.33	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-002DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00372

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -2.9 Pf 1 = 3.5
Can D.F. = 1.54

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.5	ND	0.23	
79-01-6	Trichloroethene	ND	1.5	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.5	ND	0.34	
108-10-1	4-Methyl-2-pentanone	ND	1.5	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.5	ND	0.34	
79-00-5	1,1,2-Trichloroethane	ND	1.5	ND	0.28	
108-88-3	Toluene	**7.6**	1.5	**2.0**	0.41	
591-78-6	2-Hexanone	**1.6**	1.5	**0.39**	0.38	
124-48-1	Dibromochloromethane	ND	1.5	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.5	ND	0.20	
127-18-4	Tetrachloroethene	**15**	1.5	**2.2**	0.23	
108-90-7	Chlorobenzene	ND	1.5	ND	0.33	
100-41-4	Ethylbenzene	ND	1.5	ND	0.35	
179601-23-1	*m,p* -Xylenes	**5.8**	1.5	**1.3**	0.35	
75-25-2	Bromoform	ND	1.5	ND	0.15	
100-42-5	Styrene	**1.8**	1.5	**0.41**	0.36	
95-47-6	o-Xylene	**2.0**	1.5	**0.46**	0.35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.5	ND	0.22	
541-73-1	1,3-Dichlorobenzene	ND	1.5	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.5	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.5	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00002

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5

Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.76	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.61	
74-83-9	Bromomethane	ND	1.6	ND	0.40	
75-00-3	Chloroethane	ND	1.6	ND	0.60	
67-64-1	Acetone	**55**	7.9	**23**	3.3	
75-69-4	Trichlorofluoromethane	**2.0**	1.6	**0.36**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	**3.2**	1.6	**0.91**	0.45	
76-13-1	Trichlorotrifluoroethane	**9.4**	1.6	**1.2**	0.20	
75-15-0	Carbon Disulfide	**2.9**	1.6	**0.92**	0.50	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	7.9	ND	2.2	
78-93-3	2-Butanone (MEK)	**9.5**	1.6	**3.2**	0.53	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	**1.7**	1.6	**0.36**	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**120**	1.6	**37**	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW29-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-003

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00002

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.1 Pf 1 = 3.5
Can D.F. = 1.57

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.23	
79-01-6	Trichloroethene	ND	1.6	ND	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.38	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**18**	1.6	**4.8**	0.42	
591-78-6	2-Hexanone	**1.9**	1.6	**0.47**	0.38	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.18	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.20	
127-18-4	Tetrachloroethene	**5.3**	1.6	**0.79**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**2.3**	1.6	**0.52**	0.36	
179601-23-1	*m,p*-Xylenes	**9.0**	1.6	**2.1**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**2.2**	1.6	**0.52**	0.37	
95-47-6	o-Xylene	**2.9**	1.6	**0.66**	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KeiH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00626

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	**90**	8.0	**38**	3.4	
75-69-4	Trichlorofluoromethane	**1.6**	1.6	**0.29**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	**2.4**	1.6	**0.69**	0.46	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	**17**	1.6	**5.6**	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	**1.6**	1.6	**0.40**	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	**100**	8.0	**29**	2.3	**V**
78-93-3	2-Butanone (MEK)	**45**	1.6	**15**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**140**	1.6	**43**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
V = The continuing calibration verification standard was outside biased high the specified limits for this compound.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-004

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00626

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.3 Pf 1 = 3.5

Can D.F. = 1.60

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**23**	1.6	**6.0**	0.42	
591-78-6	2-Hexanone	**2.9**	1.6	**0.71**	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**2.3**	1.6	**0.34**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**3.6**	1.6	**0.84**	0.37	
179601-23-1	*m,p*-Xylenes	**14**	1.6	**3.3**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**3.5**	1.6	**0.82**	0.38	
95-47-6	o-Xylene	**5.1**	1.6	**1.2**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00598

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	**30**	8.1	**13**	3.4	
75-69-4	Trichlorofluoromethane	ND	1.6	ND	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.46	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	ND	1.6	ND	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.45	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	
78-93-3	2-Butanone (MEK)	**8.1**	1.6	**2.7**	0.55	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	ND	1.6	ND	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.30	
71-43-2	Benzene	**130**	1.6	**41**	0.50	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-005

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00598

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.5

Can D.F. = 1.61

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	ND	1.6	ND	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**14**	1.6	**3.7**	0.43	
591-78-6	2-Hexanone	**2.7**	1.6	**0.65**	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	ND	1.6	ND	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**2.5**	1.6	**0.57**	0.37	
179601-23-1	*m,p*-Xylenes	**10**	1.6	**2.4**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	**3.1**	1.6	**0.72**	0.38	
95-47-6	o-Xylene	**3.5**	1.6	**0.81**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00431

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5
Can D.F. = 1.58

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.77	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.62	
74-83-9	Bromomethane	ND	1.6	ND	0.41	
75-00-3	Chloroethane	**2.8**	1.6	**1.1**	0.60	
67-64-1	Acetone	**85**	7.9	**36**	3.3	
75-69-4	Trichlorofluoromethane	**1.7**	1.6	**0.31**	0.28	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.40	
75-09-2	Methylene chloride	**1.7**	1.6	**0.50**	0.45	
76-13-1	Trichlorotrifluoroethane	ND	1.6	ND	0.21	
75-15-0	Carbon Disulfide	**22**	1.6	**7.1**	0.51	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.40	
75-34-3	1,1-Dichloroethane	**12**	1.6	**3.0**	0.39	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.44	
108-05-4	Vinyl Acetate	ND	7.9	ND	2.2	
78-93-3	2-Butanone (MEK)	**7.0**	1.6	**2.4**	0.54	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.40	
67-66-3	Chloroform	**2.2**	1.6	**0.45**	0.32	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.39	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ND	0.29	
71-43-2	Benzene	**62**	1.6	**20**	0.49	
56-23-5	Carbon Tetrachloride	ND	1.6	ND	0.25	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.34	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-006

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00431

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.2 Pf 1 = 3.5

Can D.F. = 1.58

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**1.9**	1.6	**0.34**	0.29	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.35	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.39	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.35	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.29	
108-88-3	Toluene	**14**	1.6	**3.8**	0.42	
591-78-6	2-Hexanone	ND	1.6	ND	0.39	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**15**	1.6	**2.2**	0.23	
108-90-7	Chlorobenzene	ND	1.6	ND	0.34	
100-41-4	Ethylbenzene	**2.5**	1.6	**0.58**	0.36	
179601-23-1	*m,p* -Xylenes	**11**	1.6	**2.4**	0.36	
75-25-2	Bromoform	ND	1.6	ND	0.15	
100-42-5	Styrene	**2.1**	1.6	**0.49**	0.37	
95-47-6	o-Xylene	**3.6**	1.6	**0.83**	0.36	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.23	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.26	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.26	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.26	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/1/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-DAC-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00628

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.7	ND	0.80	
75-01-4	Vinyl Chloride	ND	1.7	ND	0.65	
74-83-9	Bromomethane	ND	1.7	ND	0.43	
75-00-3	Chloroethane	**2.9**	1.7	**1.1**	0.63	
67-64-1	Acetone	**88**	8.3	**37**	3.5	
75-69-4	Trichlorofluoromethane	**1.8**	1.7	**0.32**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.7	ND	0.42	
75-09-2	Methylene chloride	**1.8**	1.7	**0.51**	0.48	
76-13-1	Trichlorotrifluoroethane	ND	1.7	ND	0.22	
75-15-0	Carbon Disulfide	**64**	1.7	**20**	0.53	
156-60-5	trans-1,2-Dichloroethene	ND	1.7	ND	0.42	
75-34-3	1,1-Dichloroethane	**13**	1.7	**3.3**	0.41	
1634-04-4	Methyl tert-Butyl Ether	ND	1.7	ND	0.46	
108-05-4	Vinyl Acetate	ND	8.3	ND	2.3	
78-93-3	2-Butanone (MEK)	**10**	1.7	**3.4**	0.56	
156-59-2	cis-1,2-Dichloroethene	ND	1.7	ND	0.42	
67-66-3	Chloroform	**2.3**	1.7	**0.48**	0.34	
107-06-2	1,2-Dichloroethane	ND	1.7	ND	0.41	
71-55-6	1,1,1-Trichloroethane	ND	1.7	ND	0.30	
71-43-2	Benzene	**64**	1.7	**20**	0.52	
56-23-5	Carbon Tetrachloride	ND	1.7	ND	0.26	
78-87-5	1,2-Dichloropropane	ND	1.7	ND	0.36	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW61-DAC-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-007

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00628

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.7	ND	0.25	
79-01-6	Trichloroethene	**1.9**	1.7	**0.36**	0.31	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.7	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.7	ND	0.30	
108-88-3	Toluene	**14**	1.7	**3.8**	0.44	
591-78-6	2-Hexanone	ND	1.7	ND	0.40	
124-48-1	Dibromochloromethane	ND	1.7	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.7	ND	0.21	
127-18-4	Tetrachloroethene	**16**	1.7	**2.4**	0.24	
108-90-7	Chlorobenzene	ND	1.7	ND	0.36	
100-41-4	Ethylbenzene	**2.5**	1.7	**0.57**	0.38	
179601-23-1	*m,p*-Xylenes	**11**	1.7	**2.4**	0.38	
75-25-2	Bromoform	ND	1.7	ND	0.16	
100-42-5	Styrene	**1.8**	1.7	**0.43**	0.39	
95-47-6	o-Xylene	**3.6**	1.7	**0.83**	0.38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.7	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.7	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.7	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RMH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW25-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00122

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6 - 10/7/07
Volume(s) Analyzed: 0.10 Liter(s)
0.025 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6
Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	17	ND	8.0	
75-01-4	Vinyl Chloride	ND	17	ND	6.5	
74-83-9	Bromomethane	ND	17	ND	4.3	
75-00-3	Chloroethane	ND	17	ND	6.3	
67-64-1	Acetone	**6,600**	83	**2,800**	35	
75-69-4	Trichlorofluoromethane	ND	17	ND	2.9	
75-35-4	1,1-Dichloroethene	ND	17	ND	4.2	
75-09-2	Methylene chloride	ND	17	ND	4.8	
76-13-1	Trichlorotrifluoroethane	ND	17	ND	2.2	
75-15-0	Carbon Disulfide	**22**	17	**7.2**	5.3	
156-60-5	trans-1,2-Dichloroethene	ND	17	ND	4.2	
75-34-3	1,1-Dichloroethane	ND	17	ND	4.1	
1634-04-4	Methyl tert-Butyl Ether	ND	17	ND	4.6	
108-05-4	Vinyl Acetate	ND	83	ND	23	
78-93-3	2-Butanone (MEK)	**170**	17	**56**	5.6	
156-59-2	cis-1,2-Dichloroethene	ND	17	ND	4.2	
67-66-3	Chloroform	ND	17	ND	3.4	
107-06-2	1,2-Dichloroethane	ND	17	ND	4.1	
71-55-6	1,1,1-Trichloroethane	ND	17	ND	3.0	
71-43-2	Benzene	ND	17	ND	5.2	
56-23-5	Carbon Tetrachloride	ND	17	ND	2.6	
78-87-5	1,2-Dichloropropane	ND	17	ND	3.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: RLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW25-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-008

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00122

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/6 - 10/7/07
Volume(s) Analyzed: 0.10 Liter(s)
0.025 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6
Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	17	ND	2.5	
79-01-6	Trichloroethene	ND	17	ND	3.1	
10061-01-5	cis-1,3-Dichloropropene	ND	17	ND	3.6	
108-10-1	4-Methyl-2-pentanone	ND	17	ND	4.0	
10061-02-6	trans-1,3-Dichloropropene	ND	17	ND	3.6	
79-00-5	1,1,2-Trichloroethane	ND	17	ND	3.0	
108-88-3	Toluene	**200**	17	**52**	4.4	
591-78-6	2-Hexanone	ND	17	ND	4.0	
124-48-1	Dibromochloromethane	ND	17	ND	1.9	
106-93-4	1,2-Dibromoethane	ND	17	ND	2.1	
127-18-4	Tetrachloroethene	**21**	17	**3.1**	2.4	
108-90-7	Chlorobenzene	ND	17	ND	3.6	
100-41-4	Ethylbenzene	ND	17	ND	3.8	
179601-23-1	*m,p*-Xylenes	ND	17	ND	3.8	
75-25-2	Bromoform	ND	17	ND	1.6	
100-42-5	Styrene	ND	17	ND	3.9	
95-47-6	o-Xylene	ND	17	ND	3.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17	ND	2.4	
541-73-1	1,3-Dichlorobenzene	ND	17	ND	2.7	
106-46-7	1,4-Dichlorobenzene	ND	17	ND	2.7	
95-50-1	1,2-Dichlorobenzene	ND	17	ND	2.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KaiH Date: 11/15/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell/Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00949

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7 - 10/8/07
Volume(s) Analyzed: 1.00 Liter(s)
0.025 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.6
Can D.F. = 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.6	ND	0.78	
75-01-4	Vinyl Chloride	ND	1.6	ND	0.63	
74-83-9	Bromomethane	ND	1.6	ND	0.42	
75-00-3	Chloroethane	ND	1.6	ND	0.61	
67-64-1	Acetone	**33**	8.1	**14**	3.4	
75-69-4	Trichlorofluoromethane	**5,000**	1.6	**900**	0.29	
75-35-4	1,1-Dichloroethene	ND	1.6	ND	0.41	
75-09-2	Methylene chloride	ND	1.6	ND	0.47	
76-13-1	Trichlorotrifluoroethane	**46**	1.6	**6.1**	0.21	
75-15-0	Carbon Disulfide	**2.9**	1.6	**0.94**	0.52	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	ND	0.41	
75-34-3	1,1-Dichloroethane	ND	1.6	ND	0.40	
1634-04-4	Methyl tert-Butyl Ether	ND	1.6	ND	0.45	
108-05-4	Vinyl Acetate	ND	8.1	ND	2.3	
78-93-3	2-Butanone (MEK)	**11**	1.6	**3.7**	0.55	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	ND	0.41	
67-66-3	Chloroform	**2.9**	1.6	**0.60**	0.33	
107-06-2	1,2-Dichloroethane	ND	1.6	ND	0.40	
71-55-6	1,1,1-Trichloroethane	**4.7**	1.6	**0.86**	0.30	
71-43-2	Benzene	**200**	1.6	**62**	0.51	
56-23-5	Carbon Tetrachloride	**3.0**	1.6	**0.48**	0.26	
78-87-5	1,2-Dichloropropane	ND	1.6	ND	0.35	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-S-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-009

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell/Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00949

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7 - 10/8/07
Volume(s) Analyzed: 1.00 Liter(s)
0.025 Liter(s)

Pi 1 = -3.4 Pf 1 = 3.6

Can D.F. = 1.62

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.6	ND	0.24	
79-01-6	Trichloroethene	**5.9**	1.6	**1.1**	0.30	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	ND	0.36	
108-10-1	4-Methyl-2-pentanone	ND	1.6	ND	0.40	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	ND	0.36	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ND	0.30	
108-88-3	Toluene	**13**	1.6	**3.4**	0.43	
591-78-6	2-Hexanone	**4.5**	1.6	**1.1**	0.40	
124-48-1	Dibromochloromethane	ND	1.6	ND	0.19	
106-93-4	1,2-Dibromoethane	ND	1.6	ND	0.21	
127-18-4	Tetrachloroethene	**130**	1.6	**19**	0.24	
108-90-7	Chlorobenzene	ND	1.6	ND	0.35	
100-41-4	Ethylbenzene	**3.0**	1.6	**0.69**	0.37	
179601-23-1	*m,p*-Xylenes	**13**	1.6	**2.9**	0.37	
75-25-2	Bromoform	ND	1.6	ND	0.16	
100-42-5	Styrene	**4.1**	1.6	**0.97**	0.38	
95-47-6	o-Xylene	**4.6**	1.6	**1.1**	0.37	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	ND	0.24	
541-73-1	1,3-Dichlorobenzene	ND	1.6	ND	0.27	
106-46-7	1,4-Dichlorobenzene	ND	1.6	ND	0.27	
95-50-1	1,2-Dichlorobenzene	ND	1.6	ND	0.27	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07 & 10/15/07
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	17	ND	8.0	
75-01-4	Vinyl Chloride	ND	17	ND	6.5	
74-83-9	Bromomethane	ND	17	ND	4.3	
75-00-3	Chloroethane	ND	17	ND	6.3	
67-64-1	Acetone	ND	83	ND	35	
75-69-4	Trichlorofluoromethane	**6,000**	17	**1,100**	2.9	**H**
75-35-4	1,1-Dichloroethene	ND	17	ND	4.2	
75-09-2	Methylene chloride	ND	17	ND	4.8	
76-13-1	Trichlorotrifluoroethane	**40**	17	**5.2**	2.2	
75-15-0	Carbon Disulfide	**43**	17	**14**	5.3	
156-60-5	trans-1,2-Dichloroethene	ND	17	ND	4.2	
75-34-3	1,1-Dichloroethane	ND	17	ND	4.1	
1634-04-4	Methyl tert-Butyl Ether	ND	17	ND	4.6	
108-05-4	Vinyl Acetate	ND	83	ND	23	
78-93-3	2-Butanone (MEK)	ND	17	ND	5.6	
156-59-2	cis-1,2-Dichloroethene	ND	17	ND	4.2	
67-66-3	Chloroform	ND	17	ND	3.4	
107-06-2	1,2-Dichloroethane	ND	17	ND	4.1	
71-55-6	1,1,1-Trichloroethane	**64**	17	**12**	3.0	
71-43-2	Benzene	**230**	17	**71**	5.2	
56-23-5	Carbon Tetrachloride	ND	17	ND	2.6	
78-87-5	1,2-Dichloropropane	ND	17	ND	3.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
H = Sample analyzed outside of holding time.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07 & 10/15/07
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	17	ND	2.5	
79-01-6	Trichloroethene	ND	17	ND	3.1	
10061-01-5	cis-1,3-Dichloropropene	ND	17	ND	3.6	
108-10-1	4-Methyl-2-pentanone	ND	17	ND	4.0	
10061-02-6	trans-1,3-Dichloropropene	ND	17	ND	3.6	
79-00-5	1,1,2-Trichloroethane	ND	17	ND	3.0	
108-88-3	Toluene	ND	17	ND	4.4	
591-78-6	2-Hexanone	ND	17	ND	4.0	
124-48-1	Dibromochloromethane	ND	17	ND	1.9	
106-93-4	1,2-Dibromoethane	ND	17	ND	2.1	
127-18-4	Tetrachloroethene	**130**	17	**19**	2.4	
108-90-7	Chlorobenzene	ND	17	ND	3.6	
100-41-4	Ethylbenzene	ND	17	ND	3.8	
179601-23-1	*m,p* -Xylenes	ND	17	ND	3.8	
75-25-2	Bromoform	ND	17	ND	1.6	
100-42-5	Styrene	ND	17	ND	3.9	
95-47-6	o-Xylene	ND	17	ND	3.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17	ND	2.4	
541-73-1	1,3-Dichlorobenzene	ND	17	ND	2.7	
106-46-7	1,4-Dichlorobenzene	ND	17	ND	2.7	
95-50-1	1,2-Dichlorobenzene	ND	17	ND	2.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07 & 10/15/07
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	17	ND	8.0	
75-01-4	Vinyl Chloride	ND	17	ND	6.5	
74-83-9	Bromomethane	ND	17	ND	4.3	
75-00-3	Chloroethane	ND	17	ND	6.3	
67-64-1	Acetone	ND	83	ND	35	
75-69-4	Trichlorofluoromethane	**5,900**	17	**1,100**	2.9	**H**
75-35-4	1,1-Dichloroethene	ND	17	ND	4.2	
75-09-2	Methylene chloride	ND	17	ND	4.8	
76-13-1	Trichlorotrifluoroethane	**43**	17	**5.6**	2.2	
75-15-0	Carbon Disulfide	**44**	17	**14**	5.3	
156-60-5	trans-1,2-Dichloroethene	ND	17	ND	4.2	
75-34-3	1,1-Dichloroethane	ND	17	ND	4.1	
1634-04-4	Methyl tert-Butyl Ether	ND	17	ND	4.6	
108-05-4	Vinyl Acetate	ND	83	ND	23	
78-93-3	2-Butanone (MEK)	ND	17	ND	5.6	
156-59-2	cis-1,2-Dichloroethene	ND	17	ND	4.2	
67-66-3	Chloroform	ND	17	ND	3.4	
107-06-2	1,2-Dichloroethane	ND	17	ND	4.1	
71-55-6	1,1,1-Trichloroethane	**66**	17	**12**	3.0	
71-43-2	Benzene	**230**	17	**71**	5.2	
56-23-5	Carbon Tetrachloride	ND	17	ND	2.6	
78-87-5	1,2-Dichloropropane	ND	17	ND	3.6	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
H = Sample analyzed outside of holding time.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-I-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-010DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00717

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07 & 10/15/07
Volume(s) Analyzed: 0.10 Liter(s)
0.0050 Liter(s)

Pi 1 = -3.6 Pf 1 = 3.6

Can D.F. = 1.65

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	17	ND	2.5	
79-01-6	Trichloroethene	ND	17	ND	3.1	
10061-01-5	cis-1,3-Dichloropropene	ND	17	ND	3.6	
108-10-1	4-Methyl-2-pentanone	ND	17	ND	4.0	
10061-02-6	trans-1,3-Dichloropropene	ND	17	ND	3.6	
79-00-5	1,1,2-Trichloroethane	ND	17	ND	3.0	
108-88-3	Toluene	ND	17	ND	4.4	
591-78-6	2-Hexanone	ND	17	ND	4.0	
124-48-1	Dibromochloromethane	ND	17	ND	1.9	
106-93-4	1,2-Dibromoethane	ND	17	ND	2.1	
127-18-4	Tetrachloroethene	**130**	17	**20**	2.4	
108-90-7	Chlorobenzene	ND	17	ND	3.6	
100-41-4	Ethylbenzene	ND	17	ND	3.8	
179601-23-1	*m,p* -Xylenes	ND	17	ND	3.8	
75-25-2	Bromoform	ND	17	ND	1.6	
100-42-5	Styrene	ND	17	ND	3.9	
95-47-6	o-Xylene	ND	17	ND	3.8	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17	ND	2.4	
541-73-1	1,3-Dichlorobenzene	ND	17	ND	2.7	
106-46-7	1,4-Dichlorobenzene	ND	17	ND	2.7	
95-50-1	1,2-Dichlorobenzene	ND	17	ND	2.7	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 0.40 Liter(s)

Pi 1 = -1.4 Pf 1 = 3.7

Can D.F. = 1.38

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.5	ND	1.7	
75-01-4	Vinyl Chloride	ND	3.5	ND	1.4	
74-83-9	Bromomethane	ND	3.5	ND	0.89	
75-00-3	Chloroethane	ND	3.5	ND	1.3	
67-64-1	Acetone	**57**	17	**24**	7.3	
75-69-4	Trichlorofluoromethane	**12**	3.5	**2.1**	0.61	
75-35-4	1,1-Dichloroethene	ND	3.5	ND	0.87	
75-09-2	Methylene chloride	ND	3.5	ND	0.99	
76-13-1	Trichlorotrifluoroethane	ND	3.5	ND	0.45	
75-15-0	Carbon Disulfide	**35**	3.5	**11**	1.1	
156-60-5	trans-1,2-Dichloroethene	ND	3.5	ND	0.87	
75-34-3	1,1-Dichloroethane	**13**	3.5	**3.2**	0.85	
1634-04-4	Methyl tert-Butyl Ether	ND	3.5	ND	0.96	
108-05-4	Vinyl Acetate	ND	17	ND	4.9	
78-93-3	2-Butanone (MEK)	**23**	3.5	**7.8**	1.2	
156-59-2	cis-1,2-Dichloroethene	**4.0**	3.5	**1.0**	0.87	
67-66-3	Chloroform	ND	3.5	ND	0.71	
107-06-2	1,2-Dichloroethane	ND	3.5	ND	0.85	
71-55-6	1,1,1-Trichloroethane	**5.1**	3.5	**0.94**	0.63	
71-43-2	Benzene	**220**	3.5	**69**	1.1	
56-23-5	Carbon Tetrachloride	ND	3.5	ND	0.55	
78-87-5	1,2-Dichloropropane	ND	3.5	ND	0.75	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: EMH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 0.40 Liter(s)

Pi 1 = -1.4 Pf 1 = 3.7

Can D.F. = 1.38

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.5	ND	0.52	
79-01-6	Trichloroethene	ND	3.5	ND	0.64	
10061-01-5	cis-1,3-Dichloropropene	ND	3.5	ND	0.76	
108-10-1	4-Methyl-2-pentanone	ND	3.5	ND	0.84	
10061-02-6	trans-1,3-Dichloropropene	ND	3.5	ND	0.76	
79-00-5	1,1,2-Trichloroethane	ND	3.5	ND	0.63	
108-88-3	Toluene	**19**	3.5	**5.1**	0.92	
591-78-6	2-Hexanone	ND	3.5	ND	0.84	
124-48-1	Dibromochloromethane	ND	3.5	ND	0.41	
106-93-4	1,2-Dibromoethane	ND	3.5	ND	0.45	
127-18-4	Tetrachloroethene	ND	3.5	ND	0.51	
108-90-7	Chlorobenzene	ND	3.5	ND	0.75	
100-41-4	Ethylbenzene	**3.8**	3.5	**0.87**	0.79	
179601-23-1	*m,p*-Xylenes	**12**	3.5	**2.7**	0.79	
75-25-2	Bromoform	ND	3.5	ND	0.33	
100-42-5	Styrene	ND	3.5	ND	0.81	
95-47-6	o-Xylene	**4.3**	3.5	**1.0**	0.79	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.5	ND	0.50	
541-73-1	1,3-Dichlorobenzene	ND	3.5	ND	0.57	
106-46-7	1,4-Dichlorobenzene	ND	3.5	ND	0.57	
95-50-1	1,2-Dichlorobenzene	ND	3.5	ND	0.57	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 0.40 Liter(s)

Pi 1 = -1.4 Pf 1 = 3.7

Can D.F. = 1.38

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	3.5	ND	1.7	
75-01-4	Vinyl Chloride	ND	3.5	ND	1.4	
74-83-9	Bromomethane	ND	3.5	ND	0.89	
75-00-3	Chloroethane	ND	3.5	ND	1.3	
67-64-1	Acetone	**57**	17	**24**	7.3	
75-69-4	Trichlorofluoromethane	**11**	3.5	**1.9**	0.61	
75-35-4	1,1-Dichloroethene	ND	3.5	ND	0.87	
75-09-2	Methylene chloride	ND	3.5	ND	0.99	
76-13-1	Trichlorotrifluoroethane	ND	3.5	ND	0.45	
75-15-0	Carbon Disulfide	**35**	3.5	**11**	1.1	
156-60-5	trans-1,2-Dichloroethene	ND	3.5	ND	0.87	
75-34-3	1,1-Dichloroethane	**13**	3.5	**3.1**	0.85	
1634-04-4	Methyl tert-Butyl Ether	ND	3.5	ND	0.96	
108-05-4	Vinyl Acetate	ND	17	ND	4.9	
78-93-3	2-Butanone (MEK)	**23**	3.5	**7.7**	1.2	
156-59-2	cis-1,2-Dichloroethene	**3.9**	3.5	**0.99**	0.87	
67-66-3	Chloroform	ND	3.5	ND	0.71	
107-06-2	1,2-Dichloroethane	ND	3.5	ND	0.85	
71-55-6	1,1,1-Trichloroethane	**5.1**	3.5	**0.94**	0.63	
71-43-2	Benzene	**220**	3.5	**69**	1.1	
56-23-5	Carbon Tetrachloride	ND	3.5	ND	0.55	
78-87-5	1,2-Dichloropropane	ND	3.5	ND	0.75	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW46-D-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-011DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chaney Humphrey
Sampling Media: Summa Canister
Test Notes:
Container ID: SC00109

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 0.40 Liter(s)

Pi 1 = -1.4 Pf 1 = 3.7

Can D.F. = 1.38

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	3.5	ND	0.52	
79-01-6	Trichloroethene	ND	3.5	ND	0.64	
10061-01-5	cis-1,3-Dichloropropene	ND	3.5	ND	0.76	
108-10-1	4-Methyl-2-pentanone	ND	3.5	ND	0.84	
10061-02-6	trans-1,3-Dichloropropene	ND	3.5	ND	0.76	
79-00-5	1,1,2-Trichloroethane	ND	3.5	ND	0.63	
108-88-3	Toluene	**19**	3.5	**5.1**	0.92	
591-78-6	2-Hexanone	ND	3.5	ND	0.84	
124-48-1	Dibromochloromethane	ND	3.5	ND	0.41	
106-93-4	1,2-Dibromoethane	ND	3.5	ND	0.45	
127-18-4	Tetrachloroethene	ND	3.5	ND	0.51	
108-90-7	Chlorobenzene	ND	3.5	ND	0.75	
100-41-4	Ethylbenzene	**3.7**	3.5	**0.86**	0.79	
179601-23-1	*m,p*-Xylenes	**12**	3.5	**2.7**	0.79	
75-25-2	Bromoform	ND	3.5	ND	0.33	
100-42-5	Styrene	ND	3.5	ND	0.81	
95-47-6	o-Xylene	**4.3**	3.5	**1.0**	0.79	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.5	ND	0.50	
541-73-1	1,3-Dichlorobenzene	ND	3.5	ND	0.57	
106-46-7	1,4-Dichlorobenzene	ND	3.5	ND	0.57	
95-50-1	1,2-Dichlorobenzene	ND	3.5	ND	0.57	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/15/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00718

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-012

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC00718

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-013

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01197

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-013

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01197

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	**6.1**	5.0	**2.6**	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	**6.5**	5.0	**2.8**	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **WDI-VW-BLANKS-9-27-07**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P2703044-014DUP

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:
Container ID: AC01421

Date Collected: 9/27/07
Date Received: 10/1/07
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071006-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071006-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/6/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071007-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071007-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/7/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071008-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071008-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/8/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p* -Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/15/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KWH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/10/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071015-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/15/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
74-87-3	Chloromethane	ND	1.0	ND	0.48	
75-01-4	Vinyl Chloride	ND	1.0	ND	0.39	L
74-83-9	Bromomethane	ND	1.0	ND	0.26	
75-00-3	Chloroethane	ND	1.0	ND	0.38	
67-64-1	Acetone	ND	5.0	ND	2.1	
75-69-4	Trichlorofluoromethane	ND	1.0	ND	0.18	
75-35-4	1,1-Dichloroethene	ND	1.0	ND	0.25	
75-09-2	Methylene chloride	ND	1.0	ND	0.29	
76-13-1	Trichlorotrifluoroethane	ND	1.0	ND	0.13	
75-15-0	Carbon Disulfide	ND	1.0	ND	0.32	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ND	0.25	
75-34-3	1,1-Dichloroethane	ND	1.0	ND	0.25	
1634-04-4	Methyl tert-Butyl Ether	ND	1.0	ND	0.28	
108-05-4	Vinyl Acetate	ND	5.0	ND	1.4	
78-93-3	2-Butanone (MEK)	ND	1.0	ND	0.34	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ND	0.25	
67-66-3	Chloroform	ND	1.0	ND	0.20	
107-06-2	1,2-Dichloroethane	ND	1.0	ND	0.25	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ND	0.18	
71-43-2	Benzene	ND	1.0	ND	0.31	
56-23-5	Carbon Tetrachloride	ND	1.0	ND	0.16	
78-87-5	1,2-Dichloropropane	ND	1.0	ND	0.22	

ND = Compound was analyzed for, but not detected above the **laboratory reporting limit**.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
L = Laboratory control sample recovery outside the specified limits; results may be biased high.

Verified By: WH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Method Blank**
Client Project ID: **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071015-MB

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date(s) Analyzed: 10/15/07
Volume(s) Analyzed: 1.00 Liter(s)

D.F. = 1.00

CAS #	Compound	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
75-27-4	Bromodichloromethane	ND	1.0	ND	0.15	
79-01-6	Trichloroethene	ND	1.0	ND	0.19	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ND	0.22	
108-10-1	4-Methyl-2-pentanone	ND	1.0	ND	0.24	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ND	0.22	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ND	0.18	
108-88-3	Toluene	ND	1.0	ND	0.27	
591-78-6	2-Hexanone	ND	1.0	ND	0.24	
124-48-1	Dibromochloromethane	ND	1.0	ND	0.12	
106-93-4	1,2-Dibromoethane	ND	1.0	ND	0.13	
127-18-4	Tetrachloroethene	ND	1.0	ND	0.15	
108-90-7	Chlorobenzene	ND	1.0	ND	0.22	
100-41-4	Ethylbenzene	ND	1.0	ND	0.23	
179601-23-1	*m,p*-Xylenes	ND	1.0	ND	0.23	
75-25-2	Bromoform	ND	1.0	ND	0.097	
100-42-5	Styrene	ND	1.0	ND	0.23	
95-47-6	o-Xylene	ND	1.0	ND	0.23	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ND	0.15	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ND	0.17	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ND	0.17	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ND	0.17	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2703044

Surrogate Spike Recovery Results

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao/Chaney Humphrey
Sampling Media: Summa Canister(s)
Test Notes:

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/6 - 10/15/07

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
Method Blank	P071006-MB	**96**	80-120	**101**	80-120	**101**	80-120	
Method Blank	P071007-MB	**91**	80-120	**101**	80-120	**103**	80-120	
Method Blank	P071008-MB	**92**	80-120	**101**	80-120	**103**	80-120	
Method Blank	P071010-MB	**96**	80-120	**99**	80-120	**102**	80-120	
Method Blank	P071015-MB	**100**	80-120	**98**	80-120	**104**	80-120	
Lab Control Sample	P071006-LCS	**96**	80-120	**100**	80-120	**102**	80-120	
Lab Control Sample	P071007-LCS	**93**	80-120	**97**	80-120	**102**	80-120	
Lab Control Sample	P071008-LCS	**93**	80-120	**101**	80-120	**104**	80-120	
Lab Control Sample	P071010-LCS	**101**	80-120	**99**	80-120	**102**	80-120	
Lab Control Sample	P071015-LCS	**103**	80-120	**97**	80-120	**105**	80-120	
Duplicate Lab Control Sample	P071006-DLCS	**93**	80-120	**101**	80-120	**102**	80-120	
Duplicate Lab Control Sample	P071007-DLCS	**92**	80-120	**100**	80-120	**103**	80-120	
Duplicate Lab Control Sample	P071008-DLCS	**92**	80-120	**101**	80-120	**104**	80-120	
Duplicate Lab Control Sample	P071010-DLCS	**98**	80-120	**100**	80-120	**104**	80-120	
Duplicate Lab Control Sample	P071015-DLCS	**101**	80-120	**99**	80-120	**104**	80-120	
WDI-VW29-S-9-27-07	P2703044-001	**90**	80-120	**98**	80-120	**101**	80-120	

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Project ID: **WDI**

CAS Project ID: P2703044

Surrogate Spike Recovery Results

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Chris Parnell/Simon Cao/Chaney Humphrey
Sampling Media: Summa Canister(s)
Test Notes:

Date Collected: 9/27/07
Date Received: 10/1/07
Date Analyzed: 10/6 - 10/15/07

Client Sample ID	CAS Sample ID	1,2-Dichloroethane-d4		Toluene-d8		Bromofluorobenzene		Data Qualifier
		% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	% Recovered	Acceptance Limits	
WDI-VW29-I-9-27-07	P2703044-002	**93**	80-120	**101**	80-120	**102**	80-120	
WDI-VW29-I-9-27-07	P2703044-002DUP	**92**	80-120	**101**	80-120	**103**	80-120	
WDI-VW29-D-9-27-07	P2703044-003	**92**	80-120	**101**	80-120	**102**	80-120	
WDI-VW61-S-9-27-07	P2703044-004	**94**	80-120	**100**	80-120	**101**	80-120	
WDI-VW61-I-9-27-07	P2703044-005	**91**	80-120	**100**	80-120	**102**	80-120	
WDI-VW61-D-9-27-07	P2703044-006	**89**	80-120	**99**	80-120	**102**	80-120	
WDI-VW61-DAC-9-27-07	P2703044-007	**91**	80-120	**101**	80-120	**103**	80-120	
WDI-VW25-9-27-07	P2703044-008	**97**	80-120	**98**	80-120	**100**	80-120	
WDI-VW46-S-9-27-07	P2703044-009	**93**	80-120	**99**	80-120	**104**	80-120	
WDI-VW46-I-9-27-07	P2703044-010	**97**	80-120	**97**	80-120	**102**	80-120	
WDI-VW46-I-9-27-07	P2703044-010DUP	**98**	80-120	**99**	80-120	**101**	80-120	
WDI-VW46-D-9-27-07	P2703044-011	**94**	80-120	**95**	80-120	**100**	80-120	
WDI-VW46-D-9-27-07	P2703044-011DUP	**90**	80-120	**96**	80-120	**100**	80-120	
WDI-VW-BLANKS-9-27-07	P2703044-012	**92**	80-120	**100**	80-120	**101**	80-120	
WDI-VW-BLANKS-9-27-07	P2703044-013	**94**	80-120	**101**	80-120	**101**	80-120	
WDI-VW-BLANKS-9-27-07	P2703044-014	**97**	80-120	**100**	80-120	**101**	80-120	
WDI-VW-BLANKS-9-27-07	P2703044-014DUP	**99**	80-120	**100**	80-120	**99**	80-120	

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071006-LCS, P071006-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/6/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	21.6	20.8	**88**	**85**	65-135	**3**	35	
Vinyl Chloride	24.8	22.4	21.7	**90**	**88**	65-135	**2**	35	
Bromomethane	25.0	23.6	22.7	**94**	**91**	65-135	**3**	35	
Chloroethane	25.0	22.9	22.2	**92**	**89**	65-135	**3**	35	
Acetone	26.8	24.0	23.4	**90**	**87**	65-135	**3**	35	
Trichlorofluoromethane	26.3	21.9	21.3	**83**	**81**	65-135	**2**	35	
1,1-Dichloroethene	27.8	24.3	24.2	**87**	**87**	65-135	**0**	35	
Methylene chloride	27.8	24.4	23.9	**88**	**86**	65-135	**2**	35	
Trichlorotrifluoroethane	27.8	24.3	23.5	**87**	**85**	65-135	**2**	35	
Carbon Disulfide	25.0	21.3	21.0	**85**	**84**	65-135	**1**	35	
trans-1,2-Dichloroethene	26.5	24.1	23.3	**91**	**88**	65-135	**3**	35	
1,1-Dichloroethane	26.8	23.9	23.2	**89**	**87**	65-135	**2**	35	
Methyl tert-Butyl Ether	26.8	24.2	23.1	**90**	**86**	65-135	**5**	35	
Vinyl Acetate	25.3	30.8	28.3	**122**	**112**	65-135	**9**	35	
2-Butanone (MEK)	27.0	25.8	25.4	**96**	**94**	65-135	**2**	35	
cis-1,2-Dichloroethene	27.0	24.1	23.8	**89**	**88**	65-135	**1**	35	
Chloroform	29.8	26.8	26.4	**90**	**89**	65-135	**1**	35	
1,2-Dichloroethane	26.3	22.5	22.0	**86**	**84**	65-135	**2**	35	
1,1,1-Trichloroethane	26.8	22.1	22.3	**82**	**83**	65-135	**1**	35	
Benzene	27.0	23.1	23.5	**86**	**87**	65-135	**1**	35	
Carbon Tetrachloride	26.0	22.6	22.7	**87**	**87**	65-135	**0**	35	
1,2-Dichloropropane	26.5	23.6	23.8	**89**	**90**	65-135	**1**	35	

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071006-LCS, P071006-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/6/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	24.8	25.0	**89**	**90**	65-135	**1**	35	
Trichloroethene	27.3	23.0	23.4	**84**	**86**	65-135	**2**	35	
cis-1,3-Dichloropropene	25.0	22.8	23.0	**91**	**92**	65-135	**1**	35	
4-Methyl-2-pentanone	27.5	22.7	22.5	**83**	**82**	65-135	**1**	35	
trans-1,3-Dichloropropene	28.0	25.6	25.9	**91**	**93**	65-135	**2**	35	
1,1,2-Trichloroethane	26.3	23.5	23.4	**89**	**89**	65-135	**0**	35	
Toluene	26.5	23.1	23.4	**87**	**88**	65-135	**1**	35	
2-Hexanone	26.3	21.0	21.3	**80**	**81**	65-135	**1**	35	
Dibromochloromethane	27.0	24.2	24.3	**90**	**90**	65-135	**0**	35	
1,2-Dibromoethane	26.3	23.7	23.9	**90**	**91**	65-135	**1**	35	
Tetrachloroethene	26.0	23.0	23.3	**88**	**90**	65-135	**2**	35	
Chlorobenzene	26.5	23.2	23.4	**88**	**88**	65-135	**0**	35	
Ethylbenzene	26.3	23.1	23.4	**88**	**89**	65-135	**1**	35	
m,p-Xylenes	62.5	55.3	55.9	**88**	**89**	65-135	**1**	35	
Bromoform	31.3	30.3	31.0	**97**	**99**	65-135	**2**	35	
Styrene	26.3	23.2	23.6	**88**	**90**	65-135	**2**	35	
o-Xylene	29.8	25.9	26.4	**87**	**89**	65-135	**2**	35	
1,1,2,2-Tetrachloroethane	29.8	28.2	28.7	**95**	**96**	65-135	**1**	35	
1,3-Dichlorobenzene	25.5	22.8	23.2	**89**	**91**	65-135	**2**	35	
1,4-Dichlorobenzene	26.3	23.8	24.2	**90**	**92**	65-135	**2**	35	
1,2-Dichlorobenzene	25.8	23.0	23.4	**89**	**91**	65-135	**2**	35	

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071007-LCS, P071007-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/7/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	20.0	19.8	**82**	**81**	65-135	**1**	35	
Vinyl Chloride	24.8	22.3	21.5	**90**	**87**	65-135	**3**	35	
Bromomethane	25.0	22.5	22.6	**90**	**90**	65-135	**0**	35	
Chloroethane	25.0	20.6	21.6	**82**	**86**	65-135	**5**	35	
Acetone	26.8	22.9	22.9	**85**	**85**	65-135	**0**	35	
Trichlorofluoromethane	26.3	19.7	20.8	**75**	**79**	65-135	**5**	35	
1,1-Dichloroethene	27.8	22.9	24.0	**82**	**86**	65-135	**5**	35	
Methylene chloride	27.8	23.4	23.6	**84**	**85**	65-135	**1**	35	
Trichlorotrifluoroethane	27.8	23.5	23.5	**85**	**85**	65-135	**0**	35	
Carbon Disulfide	25.0	19.8	20.9	**79**	**84**	65-135	**6**	35	
trans-1,2-Dichloroethene	26.5	22.8	23.0	**86**	**87**	65-135	**1**	35	
1,1-Dichloroethane	26.8	22.8	22.6	**85**	**84**	65-135	**1**	35	
Methyl tert-Butyl Ether	26.8	23.1	22.6	**86**	**84**	65-135	**2**	35	
Vinyl Acetate	25.3	28.0	27.4	**111**	**108**	65-135	**3**	35	
2-Butanone (MEK)	27.0	24.8	25.2	**92**	**93**	65-135	**1**	35	
cis-1,2-Dichloroethene	27.0	23.0	23.5	**85**	**87**	65-135	**2**	35	
Chloroform	29.8	26.2	26.1	**88**	**88**	65-135	**0**	35	
1,2-Dichloroethane	26.3	21.1	21.2	**80**	**81**	65-135	**1**	35	
1,1,1-Trichloroethane	26.8	22.2	22.2	**83**	**83**	65-135	**0**	35	
Benzene	27.0	23.2	23.1	**86**	**86**	65-135	**0**	35	
Carbon Tetrachloride	26.0	22.6	22.6	**87**	**87**	65-135	**0**	35	
1,2-Dichloropropane	26.5	22.9	23.2	**86**	**88**	65-135	**2**	35	

Verified By: KEH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071007-LCS, P071007-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/7/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	23.8	24.6	**86**	**88**	65-135	**2**	35	
Trichloroethene	27.3	22.9	23.0	**84**	**84**	65-135	**0**	35	
cis-1,3-Dichloropropene	25.0	22.0	22.7	**88**	**91**	65-135	**3**	35	
4-Methyl-2-pentanone	27.5	22.0	22.1	**80**	**80**	65-135	**0**	35	
trans-1,3-Dichloropropene	28.0	25.3	25.7	**90**	**92**	65-135	**2**	35	
1,1,2-Trichloroethane	26.3	23.1	23.2	**88**	**88**	65-135	**0**	35	
Toluene	26.5	22.2	22.9	**84**	**86**	65-135	**2**	35	
2-Hexanone	26.3	19.7	20.1	**75**	**76**	65-135	**1**	35	
Dibromochloromethane	27.0	24.0	24.2	**89**	**90**	65-135	**1**	35	
1,2-Dibromoethane	26.3	23.3	23.6	**89**	**90**	65-135	**1**	35	
Tetrachloroethene	26.0	22.2	22.9	**85**	**88**	65-135	**3**	35	
Chlorobenzene	26.5	22.8	23.1	**86**	**87**	65-135	**1**	35	
Ethylbenzene	26.3	22.7	23.1	**86**	**88**	65-135	**2**	35	
m,p-Xylenes	62.5	54.6	55.2	**87**	**88**	65-135	**1**	35	
Bromoform	31.3	30.0	30.6	**96**	**98**	65-135	**2**	35	
Styrene	26.3	22.9	23.3	**87**	**89**	65-135	**2**	35	
o-Xylene	29.8	25.7	26.0	**86**	**87**	65-135	**1**	35	
1,1,2,2-Tetrachloroethane	29.8	27.5	27.9	**92**	**94**	65-135	**2**	35	
1,3-Dichlorobenzene	25.5	22.5	22.9	**88**	**90**	65-135	**2**	35	
1,4-Dichlorobenzene	26.3	23.6	23.9	**90**	**91**	65-135	**1**	35	
1,2-Dichlorobenzene	25.8	22.6	23.0	**88**	**89**	65-135	**1**	35	

Verified By: KWH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071008-LCS, P071008-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/8/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	19.9	19.8	**81**	**81**	65-135	**0**	35	
Vinyl Chloride	24.8	21.7	22.0	**88**	**89**	65-135	**1**	35	
Bromomethane	25.0	22.5	22.7	**90**	**91**	65-135	**1**	35	
Chloroethane	25.0	21.6	21.7	**86**	**87**	65-135	**1**	35	
Acetone	26.8	22.3	23.0	**83**	**86**	65-135	**4**	35	
Trichlorofluoromethane	26.3	20.7	20.5	**79**	**78**	65-135	**1**	35	
1,1-Dichloroethene	27.8	23.8	23.4	**86**	**84**	65-135	**2**	35	
Methylene chloride	27.8	22.6	23.5	**81**	**85**	65-135	**5**	35	
Trichlorotrifluoroethane	27.8	23.6	23.5	**85**	**85**	65-135	**0**	35	
Carbon Disulfide	25.0	20.6	20.5	**82**	**82**	65-135	**0**	35	
trans-1,2-Dichloroethene	26.5	22.0	22.7	**83**	**86**	65-135	**4**	35	
1,1-Dichloroethane	26.8	22.2	22.7	**83**	**85**	65-135	**2**	35	
Methyl tert-Butyl Ether	26.8	22.3	22.9	**83**	**85**	65-135	**2**	35	
Vinyl Acetate	25.3	29.6	29.4	**117**	**116**	65-135	**0.9**	35	
2-Butanone (MEK)	27.0	24.3	24.7	**90**	**91**	65-135	**1**	35	
cis-1,2-Dichloroethene	27.0	23.0	23.1	**85**	**86**	65-135	**1**	35	
Chloroform	29.8	25.8	25.8	**87**	**87**	65-135	**0**	35	
1,2-Dichloroethane	26.3	21.0	20.9	**80**	**79**	65-135	**1**	35	
1,1,1-Trichloroethane	26.8	22.0	21.9	**82**	**82**	65-135	**0**	35	
Benzene	27.0	22.8	22.6	**84**	**84**	65-135	**0**	35	
Carbon Tetrachloride	26.0	22.2	22.2	**85**	**85**	65-135	**0**	35	
1,2-Dichloropropane	26.5	22.9	22.9	**86**	**86**	65-135	**0**	35	

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071008-LCS, P071008-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Chris Parnell
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/8/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	24.2	24.2	**87**	**87**	65-135	**0**	35	
Trichloroethene	27.3	22.7	22.5	**83**	**82**	65-135	**1**	35	
cis-1,3-Dichloropropene	25.0	22.3	22.3	**89**	**89**	65-135	**0**	35	
4-Methyl-2-pentanone	27.5	21.8	21.5	**79**	**78**	65-135	**1**	35	
trans-1,3-Dichloropropene	28.0	25.3	25.1	**90**	**90**	65-135	**0**	35	
1,1,2-Trichloroethane	26.3	22.8	22.8	**87**	**87**	65-135	**0**	35	
Toluene	26.5	22.9	22.7	**86**	**86**	65-135	**0**	35	
2-Hexanone	26.3	20.0	19.7	**76**	**75**	65-135	**1**	35	
Dibromochloromethane	27.0	24.1	23.8	**89**	**88**	65-135	**1**	35	
1,2-Dibromoethane	26.3	23.6	23.3	**90**	**89**	65-135	**1**	35	
Tetrachloroethene	26.0	23.1	22.8	**89**	**88**	65-135	**1**	35	
Chlorobenzene	26.5	23.0	22.8	**87**	**86**	65-135	**1**	35	
Ethylbenzene	26.3	22.7	22.7	**86**	**86**	65-135	**0**	35	
m,p-Xylenes	62.5	54.8	54.8	**88**	**88**	65-135	**0**	35	
Bromoform	31.3	30.2	30.2	**96**	**96**	65-135	**0**	35	
Styrene	26.3	23.0	22.9	**87**	**87**	65-135	**0**	35	
o-Xylene	29.8	25.8	25.8	**87**	**87**	65-135	**0**	35	
1,1,2,2-Tetrachloroethane	29.8	28.1	27.9	**94**	**94**	65-135	**0**	35	
1,3-Dichlorobenzene	25.5	22.8	22.7	**89**	**89**	65-135	**0**	35	
1,4-Dichlorobenzene	26.3	23.8	23.5	**90**	**89**	65-135	**1**	35	
1,2-Dichlorobenzene	25.8	22.8	22.7	**88**	**88**	65-135	**0**	35	

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-LCS, P071010-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	24.1	19.7	**98**	**80**	65-135	**20**	35	
Vinyl Chloride	24.8	32.5	28.8	**131**	**116**	65-135	**12**	35	
Bromomethane	25.0	28.4	26.2	**114**	**105**	65-135	**8**	35	
Chloroethane	25.0	31.2	27.1	**125**	**108**	65-135	**15**	35	
Acetone	26.8	31.3	26.8	**117**	**100**	65-135	**16**	35	
Trichlorofluoromethane	26.3	27.8	24.7	**106**	**94**	65-135	**12**	35	
1,1-Dichloroethene	27.8	31.3	26.8	**113**	**96**	65-135	**16**	35	
Methylene chloride	27.8	29.1	25.2	**105**	**91**	65-135	**14**	35	
Trichlorotrifluoroethane	27.8	29.6	26.8	**106**	**96**	65-135	**10**	35	
Carbon Disulfide	25.0	25.5	21.9	**102**	**88**	65-135	**15**	35	
trans-1,2-Dichloroethene	26.5	29.9	25.7	**113**	**97**	65-135	**15**	35	
1,1-Dichloroethane	26.8	28.9	25.0	**108**	**93**	65-135	**15**	35	
Methyl tert-Butyl Ether	26.8	28.8	25.6	**107**	**96**	65-135	**11**	35	
Vinyl Acetate	25.3	28.1	28.0	**111**	**111**	65-135	**0**	35	
2-Butanone (MEK)	27.0	30.0	26.4	**111**	**98**	65-135	**12**	35	
cis-1,2-Dichloroethene	27.0	30.4	26.3	**113**	**97**	65-135	**15**	35	
Chloroform	29.8	33.4	29.3	**112**	**98**	65-135	**13**	35	
1,2-Dichloroethane	26.3	29.6	25.6	**113**	**97**	65-135	**15**	35	
1,1,1-Trichloroethane	26.8	27.4	26.0	**102**	**97**	65-135	**5**	35	
Benzene	27.0	28.9	25.3	**107**	**94**	65-135	**13**	35	
Carbon Tetrachloride	26.0	27.5	25.5	**106**	**98**	65-135	**8**	35	
1,2-Dichloropropane	26.5	29.5	25.6	**111**	**97**	65-135	**13**	35	

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071010-LCS, P071010-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/10/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	31.2	28.0	**112**	**101**	65-135	**10**	35	
Trichloroethene	27.3	29.9	26.8	**110**	**98**	65-135	**12**	35	
cis-1,3-Dichloropropene	25.0	28.0	25.1	**112**	**100**	65-135	**11**	35	
4-Methyl-2-pentanone	27.5	29.8	25.6	**108**	**93**	65-135	**15**	35	
trans-1,3-Dichloropropene	28.0	31.5	28.7	**113**	**103**	65-135	**9**	35	
1,1,2-Trichloroethane	26.3	29.8	26.4	**113**	**100**	65-135	**12**	35	
Toluene	26.5	28.7	25.6	**108**	**97**	65-135	**11**	35	
2-Hexanone	26.3	28.7	24.5	**109**	**93**	65-135	**16**	35	
Dibromochloromethane	27.0	30.4	27.1	**113**	**100**	65-135	**12**	35	
1,2-Dibromoethane	26.3	29.8	26.4	**113**	**100**	65-135	**12**	35	
Tetrachloroethene	26.0	28.1	25.2	**108**	**97**	65-135	**11**	35	
Chlorobenzene	26.5	28.9	25.7	**109**	**97**	65-135	**12**	35	
Ethylbenzene	26.3	29.3	25.9	**111**	**98**	65-135	**12**	35	
m,p-Xylenes	62.5	69.2	61.4	**111**	**98**	65-135	**12**	35	
Bromoform	31.3	38.4	34.3	**123**	**110**	65-135	**11**	35	
Styrene	26.3	30.9	27.4	**117**	**104**	65-135	**12**	35	
o-Xylene	29.8	33.5	29.7	**112**	**100**	65-135	**11**	35	
1,1,2,2-Tetrachloroethane	29.8	33.9	29.9	**114**	**100**	65-135	**13**	35	
1,3-Dichlorobenzene	25.5	30.0	26.5	**118**	**104**	65-135	**13**	35	
1,4-Dichlorobenzene	26.3	31.8	28.1	**121**	**107**	65-135	**12**	35	
1,2-Dichlorobenzene	25.8	30.3	26.6	**117**	**103**	65-135	**13**	35	

Verified By: KLH Date: 11/12/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071015-LCS, P071015-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/15/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Chloromethane	24.5	20.5	17.0	**84**	**69**	65-135	**20**	35	
Vinyl Chloride	24.8	35.7	34.1	**144**	**138**	65-135	**4**	35	**L**
Bromomethane	25.0	29.2	29.7	**117**	**119**	65-135	**2**	35	
Chloroethane	25.0	33.5	32.7	**134**	**131**	65-135	**2**	35	
Acetone	26.8	35.4	34.3	**132**	**128**	65-135	**3**	35	
Trichlorofluoromethane	26.3	28.7	28.9	**109**	**110**	65-135	**0.9**	35	
1,1-Dichloroethene	27.8	32.0	31.8	**115**	**114**	65-135	**0.9**	35	
Methylene chloride	27.8	30.5	30.0	**110**	**108**	65-135	**2**	35	
Trichlorotrifluoroethane	27.8	30.5	30.9	**110**	**111**	65-135	**0.9**	35	
Carbon Disulfide	25.0	27.2	26.3	**109**	**105**	65-135	**4**	35	
trans-1,2-Dichloroethene	26.5	31.9	31.3	**120**	**118**	65-135	**2**	35	
1,1-Dichloroethane	26.8	31.1	30.4	**116**	**113**	65-135	**3**	35	
Methyl tert-Butyl Ether	26.8	30.2	29.8	**113**	**111**	65-135	**2**	35	
Vinyl Acetate	25.3	30.0	28.9	**119**	**114**	65-135	**4**	35	
2-Butanone (MEK)	27.0	32.0	31.2	**119**	**116**	65-135	**3**	35	
cis-1,2-Dichloroethene	27.0	32.9	31.9	**122**	**118**	65-135	**3**	35	
Chloroform	29.8	35.4	34.8	**119**	**117**	65-135	**2**	35	
1,2-Dichloroethane	26.3	32.3	31.3	**123**	**119**	65-135	**3**	35	
1,1,1-Trichloroethane	26.8	29.2	29.2	**109**	**109**	65-135	**0**	35	
Benzene	27.0	30.7	30.3	**114**	**112**	65-135	**2**	35	
Carbon Tetrachloride	26.0	29.1	29.5	**112**	**113**	65-135	**0.9**	35	
1,2-Dichloropropane	26.5	32.3	31.2	**122**	**118**	65-135	**3**	35	

L = Laboratory control sample recovery not within specified limits.

Verified By: KLH Date: 11/13/07

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

Client: **TRC**
Client Sample ID: **Duplicate Lab Control Sample**
Client Project ID : **WDI**

CAS Project ID: P2703044
CAS Sample ID: P071015-LCS, P071015-DLCS

Laboratory Control Sample/Duplicate Laboratory Control Sample Summary

Test Code: EPA TO-15 Modified
Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS8
Analyst: Simon Cao
Sampling Media: Summa Canister
Test Notes:

Date Collected: NA
Date Received: NA
Date Analyzed: 10/15/07
Volume(s) Analyzed: NA

Compound	Spike Amt LCS/DLCS ng	Result LCS ng	Result DLCS ng	% Recovery LCS	% Recovery DLCS	Acceptance Limits	RPD	RPD Limit %	Data Qualifier
Bromodichloromethane	27.8	33.7	33.3	**121**	**120**	65-135	**0.8**	35	
Trichloroethene	27.3	31.4	31.4	**115**	**115**	65-135	**0**	35	
cis-1,3-Dichloropropene	25.0	30.4	29.5	**122**	**118**	65-135	**3**	35	
4-Methyl-2-pentanone	27.5	31.9	30.3	**116**	**110**	65-135	**5**	35	
trans-1,3-Dichloropropene	28.0	34.6	33.1	**124**	**118**	65-135	**5**	35	
1,1,2-Trichloroethane	26.3	31.8	31.2	**121**	**119**	65-135	**2**	35	
Toluene	26.5	29.9	29.8	**113**	**112**	65-135	**0.9**	35	
2-Hexanone	26.3	31.2	28.7	**119**	**109**	65-135	**9**	35	
Dibromochloromethane	27.0	31.5	31.4	**117**	**116**	65-135	**0.9**	35	
1,2-Dibromoethane	26.3	31.0	30.4	**118**	**116**	65-135	**2**	35	
Tetrachloroethene	26.0	28.9	29.4	**111**	**113**	65-135	**2**	35	
Chlorobenzene	26.5	29.8	29.8	**112**	**112**	65-135	**0**	35	
Ethylbenzene	26.3	30.6	30.3	**116**	**115**	65-135	**0.9**	35	
m,p-Xylenes	62.5	72.3	71.8	**116**	**115**	65-135	**0.9**	35	
Bromoform	31.3	39.8	40.0	**127**	**128**	65-135	**0.8**	35	
Styrene	26.3	31.7	31.1	**121**	**118**	65-135	**3**	35	
o-Xylene	29.8	35.1	34.7	**118**	**116**	65-135	**2**	35	
1,1,2,2-Tetrachloroethane	29.8	36.2	35.4	**121**	**119**	65-135	**2**	35	
1,3-Dichlorobenzene	25.5	31.9	31.1	**125**	**122**	65-135	**2**	35	
1,4-Dichlorobenzene	26.3	34.0	33.3	**129**	**127**	65-135	**2**	35	
1,2-Dichlorobenzene	25.8	32.7	31.9	**127**	**124**	65-135	**2**	35	

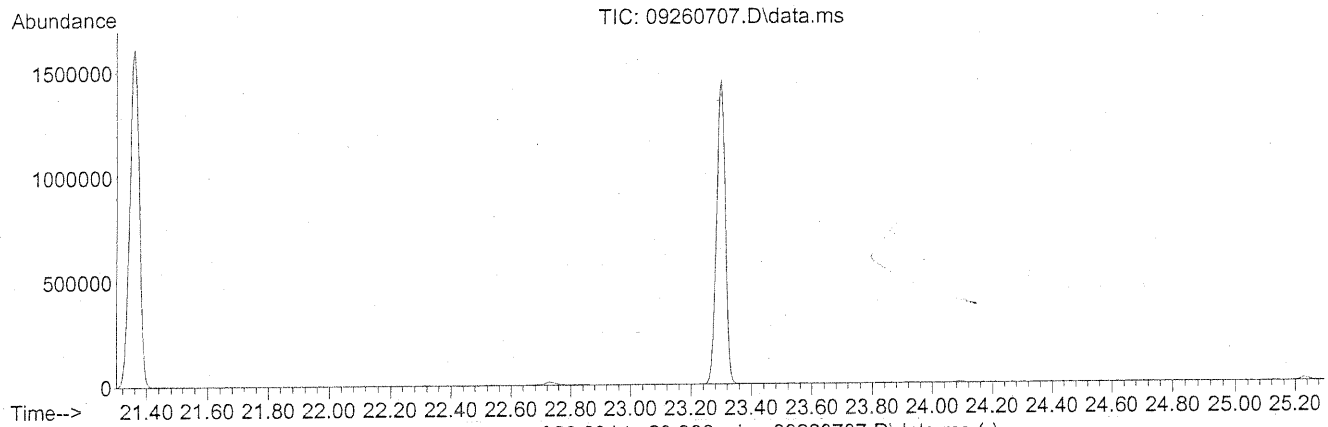
Verified By: Kent Date: 11/13/07

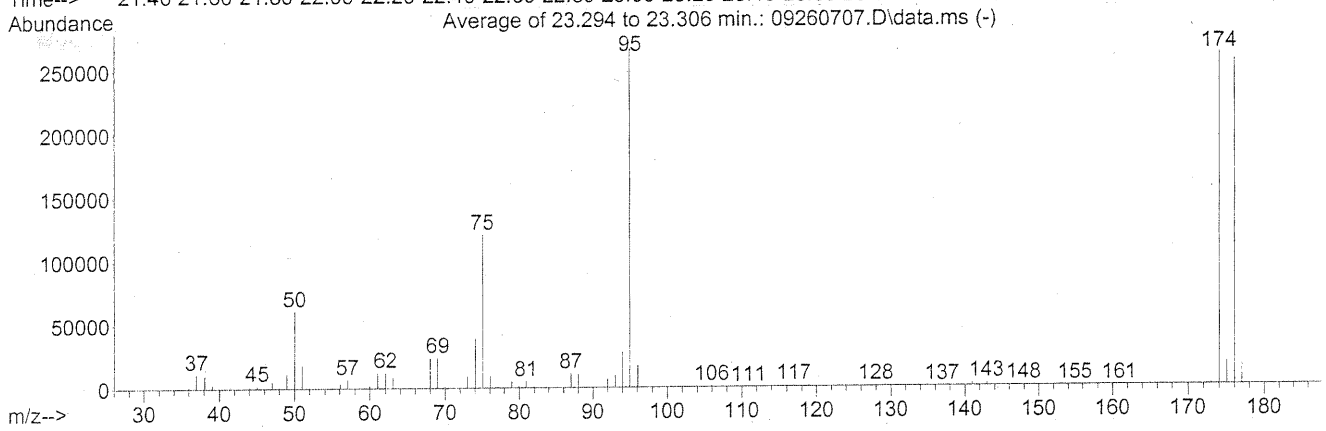
ICAL

Data Path : J:\MS13\DATA\2007_09\26\
Data File : 09260707.D
Acq On : 26 Sep 2007 14:42
Operator : CH
Sample : 25ng TO-15 BFB
Misc : ~~S15~~ S20-09260707 CH 9/27/07
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS13\METHODS\R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD
Last Update : Thu Sep 27 11:41:42 2007





AutoFind: Scans 3375, 3376, 3377; Background Corrected with Scan 3363

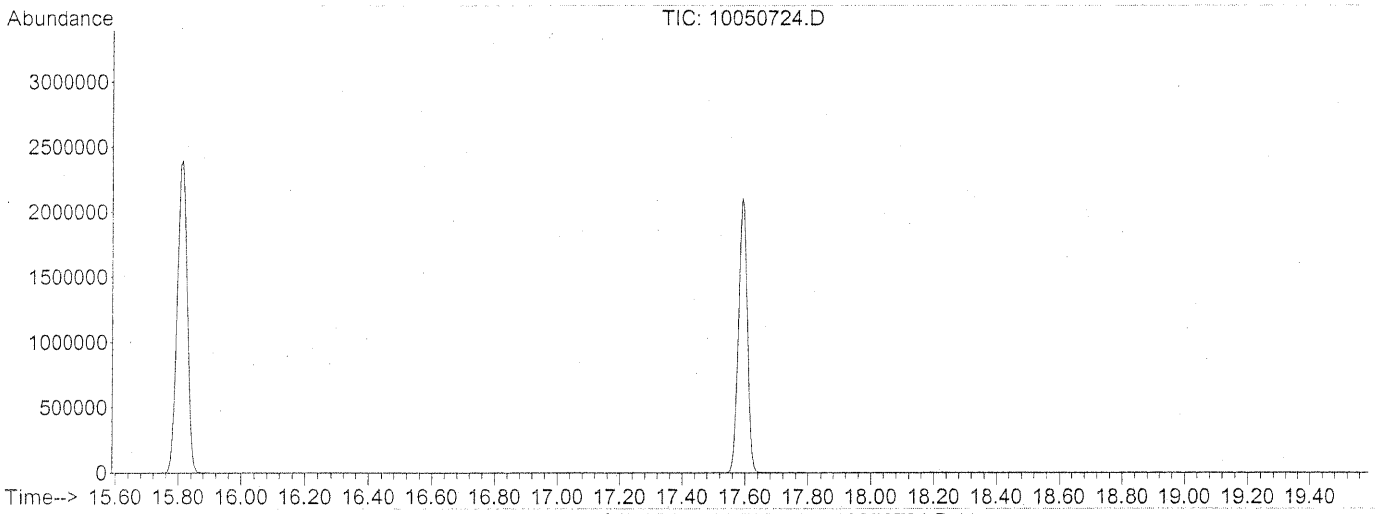
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.1	61451	PASS
75	95	30	66	45.5	121189	PASS
95	95	100	100	100.0	266581	PASS
96	95	5	9	6.6	17627	PASS
173	174	0.00	2	0.7	1867	PASS
174	95	50	120	98.2	261888	PASS
175	174	4	9	7.2	18835	PASS
176	174	93	101	98.1	256832	PASS
177	176	5	9	6.4	16555	PASS

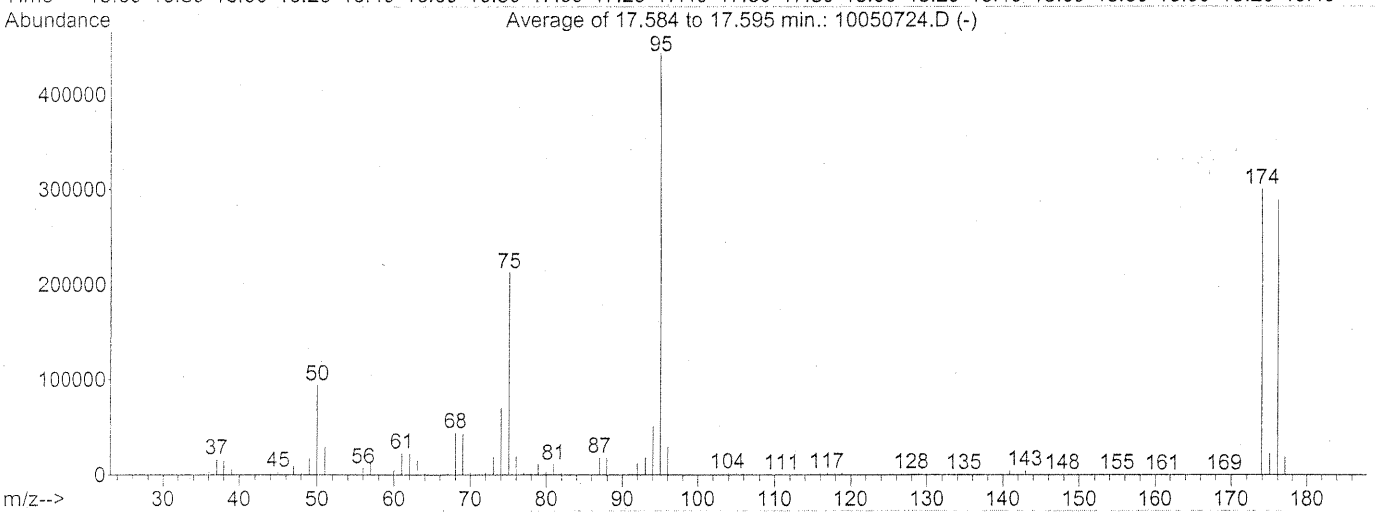
CH 9/27/07

Data Path : J:\MS08\Data\2007_10\05\
Data File : 10050724.D
Acq On : 6 Oct 2007 00:12
Operator : WA
Sample : 25ng BFB STD
Misc : S20-09270703
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8100507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Sat Oct 06 12:55:19 2007





AutoFind: Scans 2498, 2499, 2500; Background Corrected with Scan 2487

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	94365	PASS
75	95	30	66	47.8	212330	PASS
95	95	100	100	100.0	443797	PASS
96	95	5	9	6.6	29437	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	67.7	300352	PASS
175	174	4	9	7.5	22666	PASS
176	174	93	101	96.1	288704	PASS
177	176	5	9	6.7	19231	PASS

10/8/07

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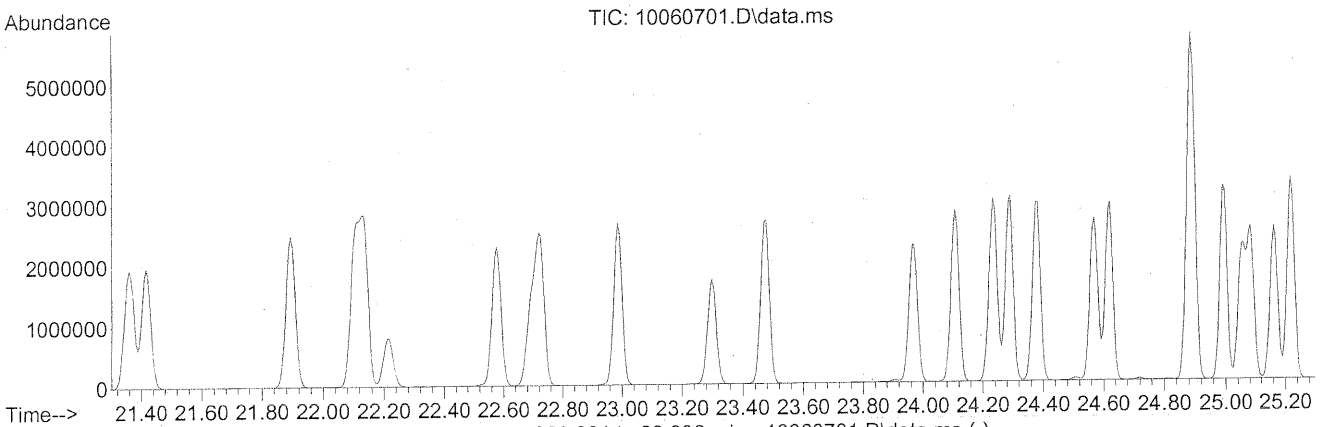
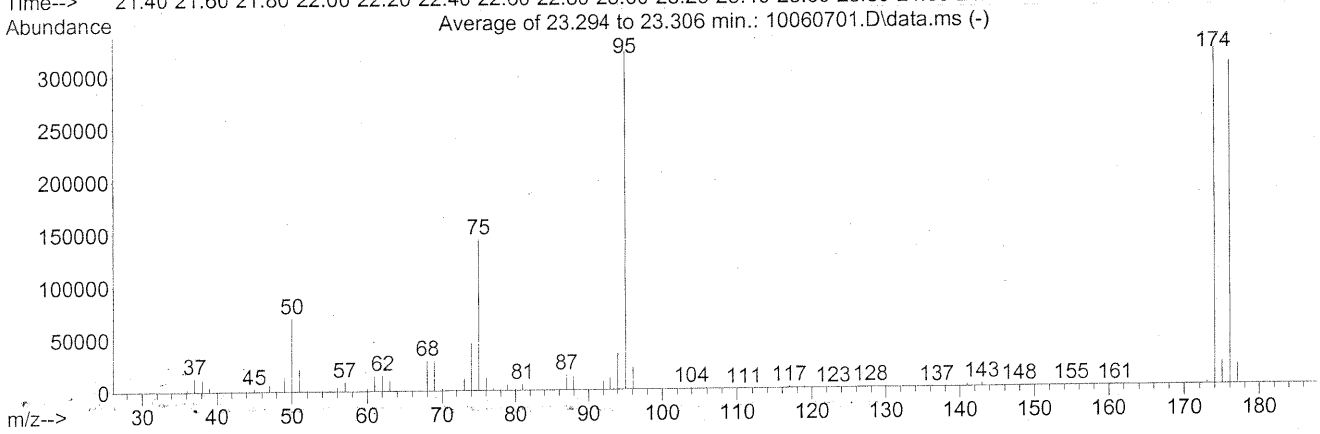
Data Path : J:\MS13\DATA\2007_10\06\
Data File : 10060701.D
Acq On : 6 Oct 2007 11:38
Operator : CJP
Sample : 25ng TO-15 CCV STD
Misc : S20-09260707/S20-09260706
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS13\METHODS\R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD
Last Update : Thu Sep 27 12:31:49 2007





AutoFind: Scans 3375, 3376, 3377; Background Corrected with Scan 3361

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.7	69877	PASS
75	95	30	66	44.7	143872	PASS
95	95	100	100	100.0	322133	PASS
96	95	5	9	6.6	21328	PASS
173	174	0.00	2	0.8	2505	PASS
174	95	50	120	99.5	320384	PASS
175	174	4	9	6.9	22253	PASS
176	174	93	101	96.0	307520	PASS
177	176	5	9	6.7	20488	PASS

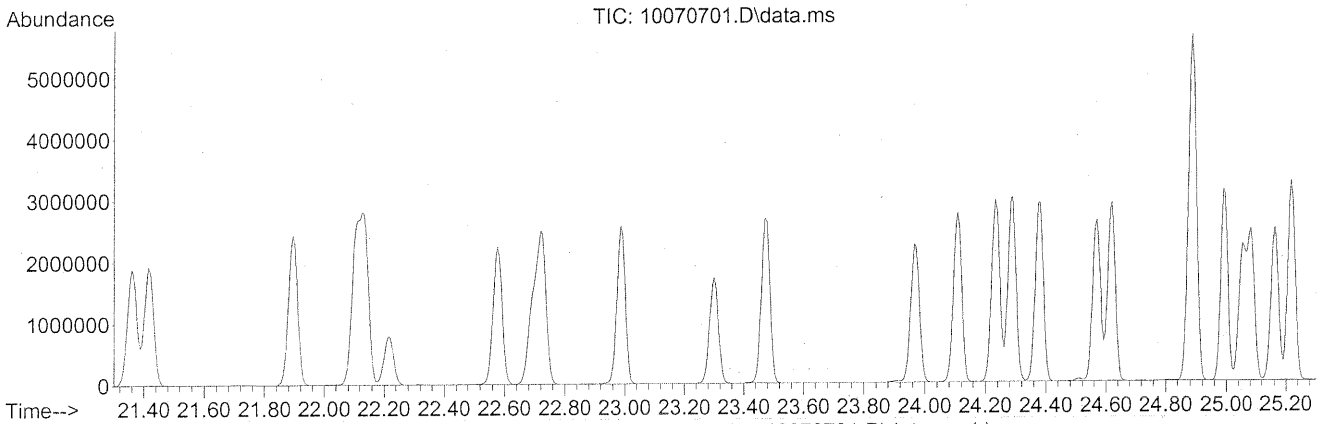
10/6/17

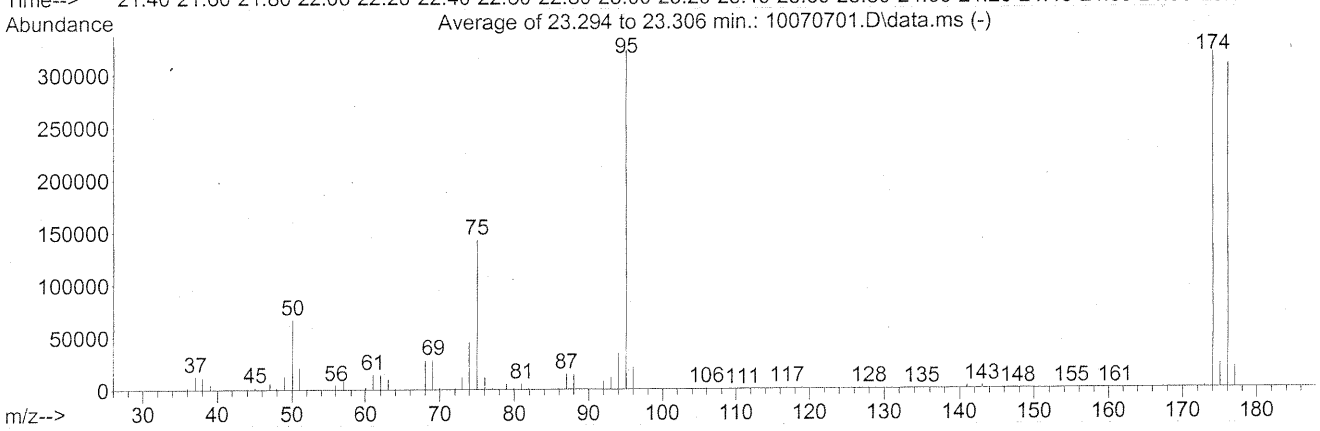
BFB

Data Path : J:\MS13\DATA\2007_10\07\
Data File : 10070701.D
Acq On : 7 Oct 2007 7:47
Operator : CJP
Sample : 25ng TO-15 CCV STD
Misc : S20-09260707/S20-09260706
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS13\METHODS\R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD
Last Update : Thu Sep 27 12:31:49 2007





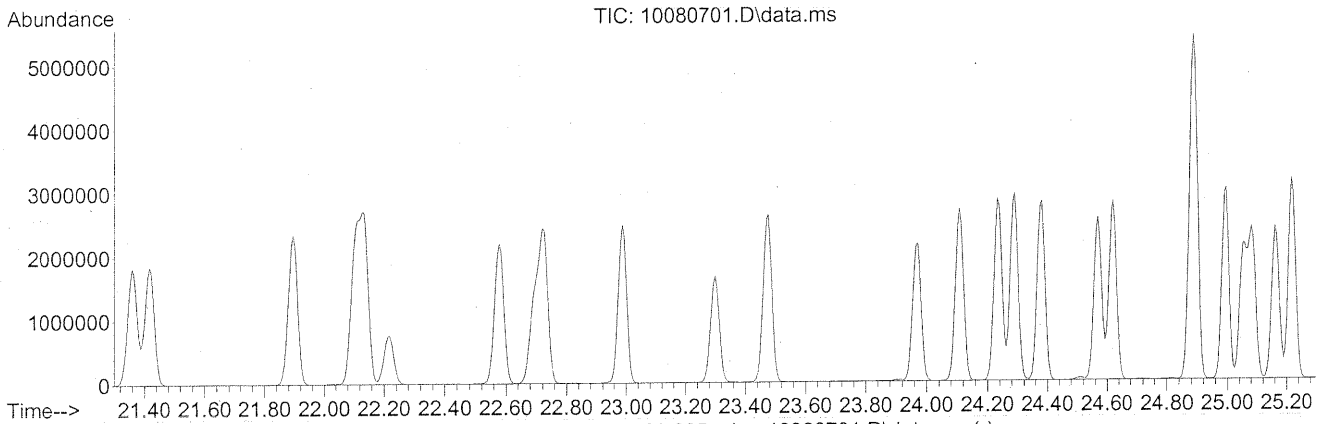
AutoFind: Scans 3375, 3376, 3377; Background Corrected with Scan 3362

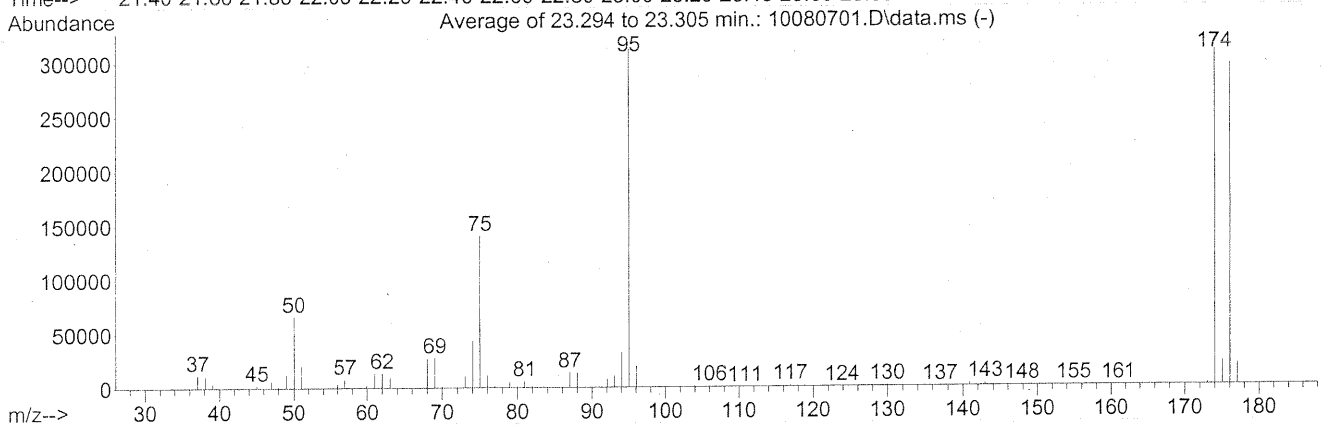
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.8	67104	PASS
75	95	30	66	44.4	143232	PASS
95	95	100	100	100.0	322411	PASS
96	95	5	9	6.7	21536	PASS
173	174	0.00	2	0.7	2216	PASS
174	95	50	120	99.1	319488	PASS
175	174	4	9	7.3	23411	PASS
176	174	93	101	96.6	308480	PASS
177	176	5	9	6.7	20568	PASS

Data Path : J:\MS13\DATA\2007_10\08\
Data File : 10080701.D
Acq On : 8 Oct 2007 7:44
Operator : CJP
Sample : 25ng TO-15 CCV STD
Misc : S20-09260707/S20-09260706
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS13\METHODS\R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD
Last Update : Thu Sep 27 12:31:49 2007





AutoFind: Scans 3375, 3376, 3377; Background Corrected with Scan 3363

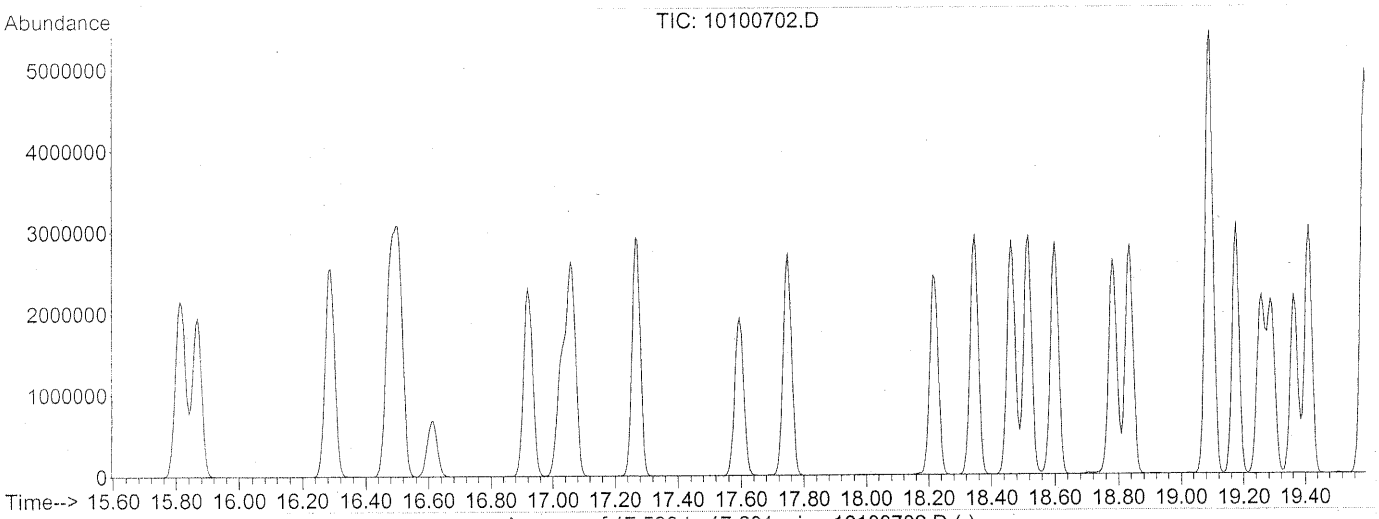
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	66384	PASS
75	95	30	66	45.0	140544	PASS
95	95	100	100	100.0	312128	PASS
96	95	5	9	6.4	19875	PASS
173	174	0.00	2	0.7	2194	PASS
174	95	50	120	99.2	309632	PASS
175	174	4	9	7.2	22272	PASS
176	174	93	101	95.9	297045	PASS
177	176	5	9	6.5	19443	PASS

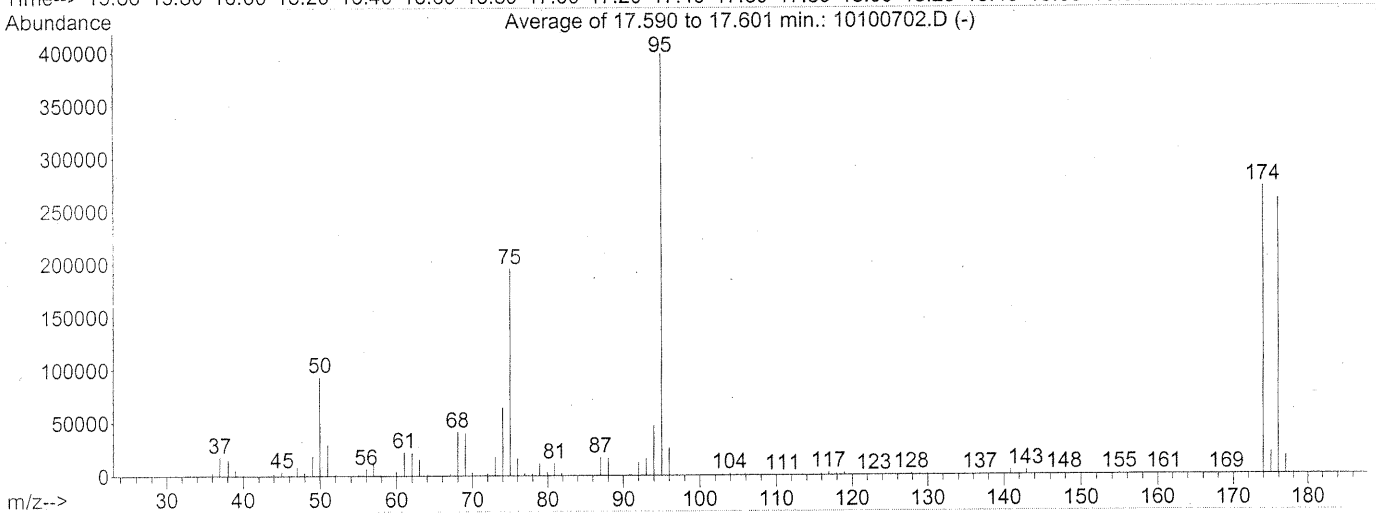
BFB

Data Path : J:\MS08\Data\2007_10\10\
Data File : 10100702.D
Acq On : 10 Oct 2007 9:33
Operator : SC
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-10030704
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8100507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Sat Oct 06 12:55:19 2007





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.4	93370	PASS
75	95	30	66	49.0	195477	PASS
95	95	100	100	100.0	398613	PASS
96	95	5	9	6.5	25888	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.1	271616	PASS
175	174	4	9	7.6	20626	PASS
176	174	93	101	95.7	260053	PASS
177	176	5	9	6.5	16942	PASS

E 10/10/07

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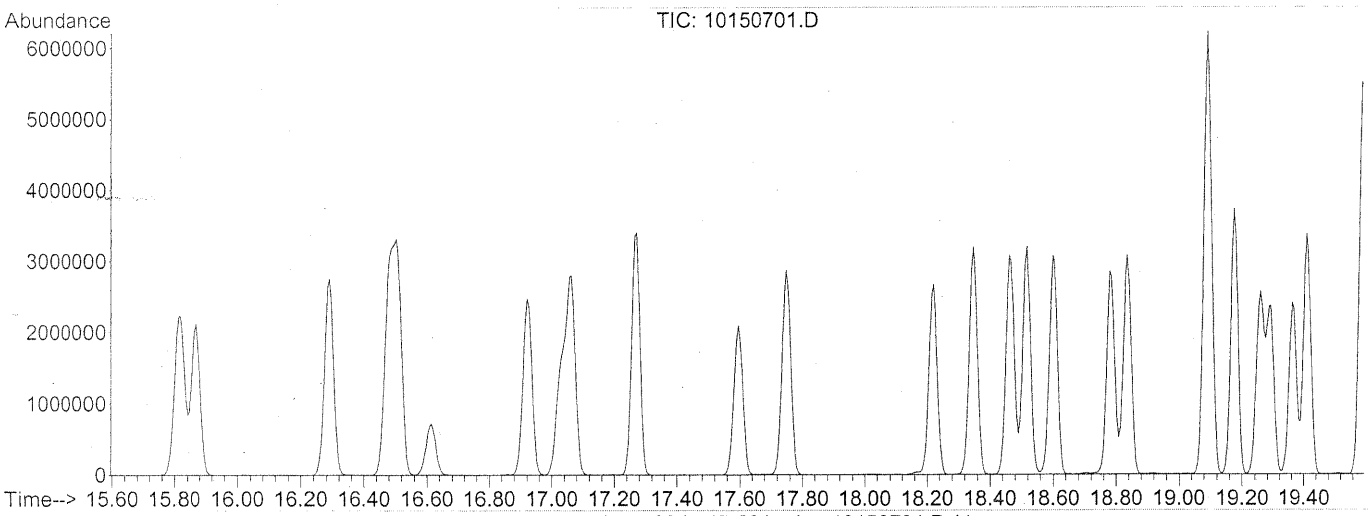
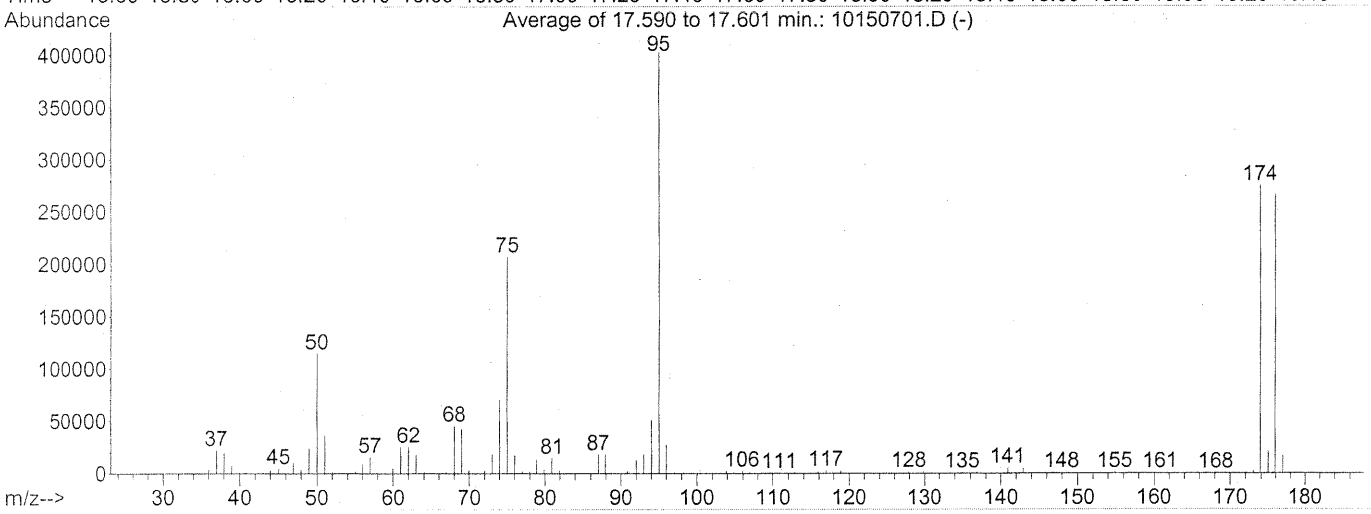
BFB

Data Path : J:\MS08\Data\2007_10\15\
Data File : 10150701.D
Acq On : 15 Oct 2007 8:33
Operator : SC
Sample : 25ng TO-15 CCV STD
Misc : S20-09270703/S20-10030704
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : J:\MS08\METHODS\R8100507.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5973 MSD
Last Update : Sat Oct 06 12:55:19 2007





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	28.4	114584	PASS
75	95	30	66	51.5	207338	PASS
95	95	100	100	100.0	402837	PASS
96	95	5	9	6.7	26872	PASS
173	174	0.00	2	0.6	1723	PASS
174	95	50	120	68.2	274709	PASS
175	174	4	9	7.5	20520	PASS
176	174	93	101	96.9	266090	PASS
177	176	5	9	6.2	16491	PASS

10/15/07

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Method Path : J:\MS13\METHODS\
Method File : R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD
Last Update : Thu Sep 27 12:31:49 2007
Response Via : Initial Calibration

Calibration Files
0.1 =09260708.D 0.5 =09260709.D 1.0 =09260710.D 5.0 =09260711.D 25 =09260712.D 50 =09260713.D
100 =09260714.D

		Compound	0.1	0.5	1.0	5.0	25	50	100	Avg	%RSD
1)	IR	Bromochloromethane...	----------ISTD----------								
2)	T	Propene		2.347	2.522	2.226	1.882	1.620	1.363	1.993	22.52
3)	T	Dichlorodifluo...	3.302	2.955	3.226	2.838	2.614	2.371	2.142	2.778	15.47
4)	T	Chloromethane	4.713	3.891	4.204	3.692	3.468	3.262	2.881	3.730	16.33
5)	T	Freon 114	1.467	1.353	1.484	1.255	1.187	1.073	0.971	1.256	15.46
6)	T	Vinyl Chloride	3.353	2.763	2.886	2.587	2.410	2.274	2.120	2.628	15.87
7)	T	1,3-Butadiene	2.713	2.428	2.643	2.489	2.403	2.220	2.113	2.430	8.80
8)	T	Bromomethane	1.353	1.125	1.243	1.130	1.149	1.077	1.046	1.160	9.06
9)	T	Chloroethane	1.443	1.262	1.389	1.289	1.215	1.132	1.065	1.256	10.64
10)	T	Ethanol			1.468	1.346	1.424	1.362	1.323	1.385	4.31
11)	T	Acetonitrile	3.840	3.243	4.094	3.723	3.758	3.480	3.203	3.620	9.01
12)	T	Acrolein	1.287	1.014	1.255	1.173	1.252	1.173	1.109	1.180	8.10
13)	T	Acetone		2.191	1.922	1.671	1.495	1.461	1.392	1.689	18.45
14)	T	Trichlorofluor...	2.715	2.280	2.339	2.174	2.113	1.922	1.784	2.190	13.80
15)	T	Isopropanol		4.888	6.166	4.354	4.940	3.964	3.575	4.648	19.61
16)	T	Acrylonitrile	2.661	2.431	3.146	2.946	3.014	2.849	2.639	2.812	8.82
17)	T	1,1-Dichloroet...	1.564	1.296	1.364	1.288	1.240	1.170	1.103	1.289	11.52
18)	T	tert-Butanol		4.039	4.895	3.985	4.241	3.743	2.895	3.967	16.50
19)	T	Methylene Chlo...		1.540	1.551	1.409	1.319	1.246	1.181	1.375	11.11
20)	T	Allyl Chloride	2.761	2.441	2.792	2.722	2.745	2.532	2.340	2.619	6.86
21)	T	Trichlorotrifl...	1.611	1.348	1.464	1.266	1.207	1.182	1.140	1.317	12.89
22)	T	Carbon Disulfide	6.810	5.546	5.663	5.398	5.120	4.797	4.422	5.394	14.11
23)	T	trans-1,2-Dich...	2.919	2.786	2.881	2.670	2.605	2.436	2.296	2.656	8.67
24)	T	1,1-Dichloroet...	3.255	2.777	2.887	2.637	2.581	2.391	2.263	2.685	12.28
25)	T	Methyl tert-Bu...	4.209	3.760	3.685	3.582	3.555	3.406	3.234	3.633	8.49
26)	T	Vinyl Acetate		0.155	0.133	0.169	0.223	0.227	0.210	0.186	21.20
27)	T	2-Butanone	0.916	0.819	0.931	0.897	0.881	0.845	0.770	0.866	6.62
28)	T	cis-1,2-Dichlo...	2.700	2.472	2.594	2.411	2.350	2.226	2.087	2.406	8.71
29)	T	Diisopropyl Ether	1.170	1.037	1.202	1.081	1.035	0.977	0.908	1.058	9.74
30)	T	Ethyl Acetate	0.748	0.581	0.677	0.625	0.613	0.572	0.508	0.618	12.57
31)	T	n-Hexane	4.190	3.599	3.656	3.273	3.079	2.892	2.594	3.326	16.09

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Method Path : J:\MS13\METHODS\
Method File : R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD

32)	T	Chloroform	2.255	2.002	1.974	1.817	1.755	1.619	1.500	1.846	13.78
33)	S	1,2-Dichloroet...	1.653	1.641	1.670	1.601	1.610	1.499	1.428	1.586	5.64
34)	T	Tetrahydrofuran	1.049	0.800	0.888	0.851	0.847	0.798	0.678	0.844	13.30
35)	T	Ethyl tert-But...	1.619	1.479	1.623	1.531	1.531	1.492	1.407	1.526	5.04
36)	T	1,2-Dichloroet...	2.687	2.311	2.492	2.251	2.168	1.948	1.709	2.224	14.67
37)	IR	1,4-Difluorobenzen...	----------ISTD----------								
38)	T	1,1,1-Trichlor...	0.611	0.475	0.492	0.447	0.436	0.419	0.400	0.468	14.98
39)	T	Isopropyl Acetate	0.213	0.213	0.258	0.237	0.241	0.232	0.220	0.230	7.19
40)	T	1-Butanol	0.371	0.195	0.394	0.360	0.427	0.398	0.373	0.360	21.11
41)	T	Benzene	1.434	1.148	1.225	1.080	1.037	0.990	0.934	1.121	15.04
42)	T	Carbon Tetrach...	0.505	0.440	0.453	0.439	0.426	0.410	0.393	0.438	8.16
43)	T	Cyclohexane	0.540	0.430	0.466	0.423	0.408	0.388	0.374	0.433	12.91
44)	T	tert-Amyl Meth...	0.931	0.730	0.821	0.749	0.755	0.718	0.683	0.770	10.76
45)	T	1,2-Dichloropr...	0.418	0.375	0.412	0.374	0.361	0.343	0.326	0.373	9.02
46)	T	Bromodichlorom...	0.408	0.366	0.403	0.373	0.363	0.341	0.319	0.368	8.57
47)	T	Trichloroethene	0.420	0.358	0.378	0.329	0.314	0.295	0.277	0.339	14.73
48)	T	1,4-Dioxane	0.204	0.217	0.239	0.220	0.216	0.201	0.189	0.212	7.60
49)	T	Isooctane	2.083	1.743	1.927	1.725	1.696	1.594	1.458	1.747	11.81
50)	T	Methyl Methacr...	0.123	0.108	0.128	0.117	0.123	0.118	0.114	0.119	5.63
51)	T	n-Heptane	0.329	0.290	0.317	0.277	0.271	0.259	0.246	0.284	10.60
52)	T	cis-1,3-Dichlo...	0.521	0.448	0.488	0.467	0.463	0.436	0.414	0.462	7.58
53)	T	4-Methyl-2-pen...	0.456	0.413	0.442	0.415	0.409	0.383	0.361	0.411	7.87
54)	T	trans-1,3-Dich...	0.433	0.405	0.441	0.424	0.429	0.403	0.382	0.417	5.00
55)	T	1,1,2-Trichlor...	0.329	0.298	0.312	0.286	0.279	0.262	0.249	0.288	9.72
56)	I	Chlorobenzene-d5 (...	----------ISTD----------								
57)	S	Toluene-d8 (SS2)	2.222	2.210	2.248	2.216	2.225	2.226	2.265	2.230	0.88
58)	T	Toluene	3.405	2.861	3.012	2.661	2.565	2.398	2.228	2.733	14.53
59)	T	2-Hexanone	2.734	2.341	2.578	2.385	2.292	2.105	1.898	2.333	11.94
60)	T	Dibromochlorom...	0.889	0.736	0.863	0.783	0.784	0.747	0.725	0.790	8.03
61)	T	1,2-Dibromoethane	0.857	0.773	0.847	0.786	0.770	0.734	0.710	0.783	6.93
62)	T	Butyl Acetate	2.367	2.066	2.673	2.416	2.427	2.232	2.022	2.315	9.80
63)	T	n-Octane	0.936	0.801	0.952	0.847	0.831	0.781	0.740	0.841	9.30
64)	T	Tetrachloroethene	1.049	0.885	0.974	0.897	0.854	0.804	0.771	0.891	10.76
65)	T	Chlorobenzene	2.254	1.995	2.124	1.924	1.848	1.732	1.612	1.927	11.49
66)	T	Ethylbenzene	3.837	3.188	3.448	3.146	3.026	2.823	2.574	3.149	13.07
67)	T	m- & p-Xylene	2.345	2.050	2.272	2.021	1.948	1.820	1.661	2.017	11.87
68)	T	Bromoform	0.614	0.560	0.623	0.582	0.608	0.586	0.571	0.592	3.95
69)	T	Styrene	2.444	2.037	2.181	2.027	2.007	1.891	1.764	2.050	10.57
70)	T	o-Xylene	2.710	2.257	2.451	2.168	2.123	1.985	1.833	2.218	13.17

Method Path : J:\MS13\METHODS\
Method File : R13092607.M
Title : TO-15 Tekmar AutoCan/HP 6890/HP 5975 MSD

71)	T	n-Nonane	2.376	2.012	2.281	2.031	1.960	1.767	1.541	1.996	14.29
72)	T	1,1,2,2-Tetrac...	1.018	0.907	0.999	0.954	0.966	0.920	0.866	0.947	5.64
73)	S	Bromofluoroben...	0.919	0.929	0.936	0.927	0.940	0.940	0.947	0.934	1.02
74)	T	Cumene	3.626	3.069	3.534	3.157	3.119	2.881	2.600	3.141	11.30
75)	T	alpha-Pinene	1.691	1.547	1.705	1.550	1.558	1.461	1.360	1.553	7.80
76)	T	n-Propylbenzene	3.894	3.543	4.216	3.700	3.637	3.353	2.966	3.616	10.96
77)	T	3-Ethyltoluene	3.902	3.149	3.698	3.341	3.328	3.140	2.824	3.340	10.84
78)	T	4-Ethyltoluene	3.702	3.198	3.525	3.215	3.048	2.760	2.452	3.128	13.67
79)	T	1,3,5-Trimethy...	3.077	2.763	3.069	2.797	2.703	2.518	2.281	2.744	10.38
80)	T	alpha-Methylst...	1.556	1.362	1.646	1.540	1.535	1.438	1.328	1.487	7.70
81)	T	2-Ethyltoluene	3.697	3.202	3.804	3.390	3.305	3.072	2.739	3.316	10.98
82)	T	1,2,4-Trimethy...	3.166	2.760	3.119	2.820	2.686	2.461	2.173	2.741	12.76
83)	T	n-Decane	2.486	2.111	2.391	2.158	2.094	1.924	1.707	2.124	12.43
84)	T	Benzyl Chloride	1.910	1.915	2.250	2.198	2.341	2.207	2.027	2.121	8.03
85)	T	1,3-Dichlorobe...	2.015	1.746	1.955	1.744	1.702	1.575	1.436	1.739	11.58
86)	T	1,4-Dichlorobe...	1.821	1.713	1.898	1.685	1.665	1.553	1.423	1.680	9.45
87)	T	sec-Butylbenzene	3.911	3.602	4.203	3.700	3.596	3.281	2.840	3.590	12.19
88)	T	p-Isopropyltol...	3.263	2.918	3.325	3.002	2.867	2.583	2.202	2.880	13.52
89)	T	1,2,3-Trimethy...	3.119	2.551	3.014	2.720	2.674	2.437	2.147	2.666	12.48
90)	T	1,2-Dichlorobe...	1.880	1.625	1.834	1.637	1.564	1.414	1.257	1.602	13.69
91)	T	d-Limonene	1.025	0.941	1.103	0.992	0.978	0.896	0.801	0.962	9.99
92)	T	1,2-Dibromo-3-...	0.388	0.417	0.543	0.538	0.584	0.569	0.549	0.513	15.09
93)	T	n-Undecane	2.521	2.170	2.550	2.281	2.262	2.073	1.787	2.235	11.77
94)	T	1,2,4-Trichlor...	1.592	1.369	1.278	1.164	1.243	1.195	1.122	1.281	12.44
95)	T	Naphthalene	3.739	3.270	3.625	3.381	3.805	3.589	3.097	3.501	7.40
96)	T	n-Dodecane	2.425	2.053	2.364	2.152	2.315	2.138	1.828	2.182	9.43
97)	T	Hexachloro-1,3...	0.775	0.743	0.884	0.792	0.781	0.754	0.717	0.778	6.82

(#) = Out of Range