TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 180-2644-1

Job Description: Focused Site Assessment

For:
URS Corporation
Foster Plaza 4
501 Holiday Drive, Suite 300
Pittsburgh, PA 15220

Attention: Mr. James Pinta, Jr.

Approved for release.
Jill L Colussy
Project Mgmt. Assistant
9/13/2011 8:29 AM

Designee for
Carrie L Gamber
Project Manager II
carrie.gamber@testamericainc.com
09/13/2011

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager or designee who has signed this report.

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238
Tel (412) 963-7058 Fax (412) 963-2468 www.testamericainc.com

CONFIDENTIAL CABOT_OIL 0097765

DIM0047608 DIM0047609

Table of Contents

Cover Title Page 1

Data Summaries 8

- Report Narrative 8
- Manual Integration Summary 10
- Sample Summary 33
- Executive Summary 34
- Method Summary 37
- Method / Analyst Summary 39
- Sample Datasheets 40
- Surrogate Summary 68
- QC Data Summary 74
- Data Qualifiers 124
- QC Association Summary 126
- Lab Chronicle 134
- Reagent Traceability 140
- Certification Summary 227

Organic Sample Data 228

- GC/MS VOA 228
  - Method 8260B Low Level 228
    - Method 8260B Low Level QC Summary 229
    - Method 8260B Low Level Sample Data 238
    - Standards Data 252
      - Method 8260B Low Level ICAL Data 252
      - Method 8260B Low Level CCAL Data 299
    - Raw QC Data 307
      - Method 8260B Low Level Tune Data 307

Table of Contents

Method 8260B Low Level Blank Data 315

Method 8260B Low Level LCS/LCSD Data 323

Method 8260B Low Level Run Logs 335

GC/MS Semi VOA 337

Method 8270C 337

Method 8270C QC Summary 338

Method 8270C Sample Data 351

Standards Data 374

Method 8270C ICAL Data 374

Method 8270C CCAL Data 466

Raw QC Data 482

Method 8270C Tune Data 482

Method 8270C Blank Data 503

Method 8270C LCS/LCSD Data 510

Method 8270C Run Logs 525

Method 8270C Prep Data 528

GC VOA 530

Method 8015B DAI Glycols 530

Method 8015B DAI Glycols QC Summary 531

Method 8015B DAI Glycols Sample Data 536

Standards Data 542

Method 8015B DAI Glycols ICAL Data 542

Method 8015B DAI Glycols CCAL Data 569

Raw QC Data 578

Method 8015B DAI Glycols Blank Data 578

Method 8015B DAI Glycols LCS/LCSD Data 581

Table of Contents

Method 8015B DAI Glycols MS/MSD Data 584

Method 8015B DAI Glycols Run Logs 590

Method 8015B DAI Glycols Prep Data 592

RSK_175 593

RSK_175 QC Summary 594

RSK_175 Sample Data 599

Standards Data 605

RSK_175 ICAL Data 605

RSK_175 CCAL Data 631

Raw QC Data 655

RSK_175 Blank Data 655

RSK_175 LCS/LCSD Data 661

RSK_175 Run Logs 670

Method 8015B - GRO 673

Method 8015B - GRO QC Summary 674

Method 8015B - GRO Sample Data 678

Standards Data 685

Method 8015B - GRO ICAL Data 685

Method 8015B - GRO CCAL Data 698

Raw QC Data 706

Method 8015B - GRO Blank Data 706

Method 8015B - GRO LCS/LCSD Data 709

Method 8015B - GRO Run Logs 715

GC Semi VOA 717

Method 8011 717

Method 8011 QC Summary 718

Table of Contents

Method 8011 Sample Data 726

Standards Data 732

Method 8011 ICAL Data 732

Method 8011 CCAL Data 789

Raw QC Data 812

Method 8011 Blank Data 812

Method 8011 LCS/LCSD Data 815

Method 8011 Run Logs 821

Method 8011 Prep Data 823

Method 8015B - DRO 826

Method 8015B - DRO QC Summary 827

Method 8015B - DRO Sample Data 831

Standards Data 837

Method 8015B - DRO ICAL Data 837

Method 8015B - DRO CCAL Data 869

Raw QC Data 909

Method 8015B - DRO Blank Data 909

Method 8015B - DRO LCS/LCSD Data 912

Method 8015B - DRO Run Logs 918

Method 8015B - DRO Prep Data 921

Inorganic Sample Data 922

Metals Data 922

Met Cover Page 923

Met Sample Data 924

Met QC Data 928

Met ICV/CCV 928

Table of Contents

Met CRQL 934

Met Blanks 937

Met ICSA/ICSAB 945

Met MS/MSD/PDS 949

Met LCS/LCSD 955

Met Serial Dilution 958

Met MDL 960

Met Linear Ranges 968

Met Preparation Log 969

Met Analysis Run Log 972

Met ICP/MS Int Stds 988

Met Raw Data 992

Met Prep Data 1241

General Chemistry Data 1247

Gen Chem Cover Page 1248

Gen Chem Sample Data 1249

Gen Chem QC Data 1251

Gen Chem ICV/CCV 1251

Gen Chem Blanks 1258

Gen Chem MS/MSD/PDS 1259

Gen Chem Duplicates 1261

Gen Chem LCS/LCSD 1262

Gen Chem MDL 1264

Gen Chem Preparation Log 1282

Gen Chem Analysis Run Log 1284

Gen Chem Raw Data 1297

Table of Contents

Gen Chem Prep Data 1423

Shipping and Receiving Documents 1439

Client Chain of Custody 1440

Sample Receipt Checklist 1444

CONFIDENTIAL CABOT_OIL 0097771

DIM0047608 DIM0047615

CASE NARRATIVE

Client: URS Corporation

Project: Focused Site Assessment

Report Number: 180-2644-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 08/05/2011; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.0 and 0.7 C.

The laboratory received a broken 1L amber bottle for sample TC-1 (180-2644-1).

The laboratory only received six VOA vials for sample AW-2 (180-2644-2) instead of nine.

LOW LEVEL VOLATILE ORGANIC COMPOUNDS
Methylene Chloride and Toluene were detected in method blank MB 180-10937/3 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
No difficulties were encountered during the semivolatiles analyses.

GAS RANGE ORGANICS
No difficulties were encountered during the GRO analyses.

GLYCOLS
Triethylene Glycol was detected in method blank MB 480-27399/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The continuing calibration verification (CCV) (CCV 480-27383/3) for Ethylene Glycol recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

DISSOLVED GASES
The following samples submitted for dissolved gases analysis were received with incorrect preservation (pH >2): AW-2 (180-2644-2) and TC-1 (180-2644-1).

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY
No difficulties were encountered during the EDB and DBCP analyses.

DIESEL RANGE ORGANICS
No difficulties were encountered during the DRO analyses.

METALS
Antimony, Boron and Molybdenum were detected in method blank MB 180-10641/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Several analytes were detected in method blank MB 180-10417/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

GENERAL CHEMISTRY

The method blanks had compounds detected at a level that was above the method detection limit but below the reporting limit. The values should be considered an estimate, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

CONFIDENTIAL CABOT_OIL 0097773

DIM0047608 DIM0047617

DIM0047608

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 10092

Lab Sample ID: IC 180-10092/2 Client Sample ID:

Date Analyzed: 08/09/11 16:51 Lab File ID: 60809016.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	3.36	Peak Integrated Incorrectly	lipayj	08/09/11 17:10
Acetone	3.48	Peak Integrated Incorrectly	lipayj	08/09/11 17:11
Acetonitrile	3.94	Peak Integrated Incorrectly	lipayj	08/09/11 18:46

Lab Sample ID: IC 180-10092/3 Client Sample ID:

Date Analyzed: 08/09/11 17:15 Lab File ID: 60809017.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.92	Peak Integrated Incorrectly	lipayj	08/09/11 18:47

Lab Sample ID: ICIS 180-10092/4 Client Sample ID:

Date Analyzed: 08/09/11 17:39 Lab File ID: 60809018.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.91	Peak Integrated Incorrectly	lipayj	08/09/11 18:48

Lab Sample ID: IC 180-10092/5 Client Sample ID:

Date Analyzed: 08/09/11 18:03 Lab File ID: 60809019.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.91	Peak Integrated Incorrectly	lipayj	08/09/11 18:48

Lab Sample ID: IC 180-10092/6 Client Sample ID:

Date Analyzed: 08/09/11 18:27 Lab File ID: 60809020.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.90	Peak Integrated Incorrectly	lipayj	08/09/11 18:48

8260B

CONFIDENTIAL

CABOT_OIL 0097774

DIM0047618

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 10092

Lab Sample ID: IC 180-10092/7 Client Sample ID:

Date Analyzed: 08/09/11 18:51 Lab File ID: 60809021.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.90	Peak Integrated Incorrectly	lipayj	08/09/11 19:09

Lab Sample ID: IC 180-10092/8 Client Sample ID:

Date Analyzed: 08/09/11 19:15 Lab File ID: 60809022.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.89	Peak Integrated Incorrectly	lipayj	08/09/11 19:32

8260B

CONFIDENTIAL

CABOT_OIL 0097775

DIM0047608

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: HP6 Analysis Batch Number: 10937

Lab Sample ID: CCVIS 180-10937/2 Client Sample ID:

Date Analyzed: 08/17/11 08:23 Lab File ID: 60817005.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.47	Peak Integrated Incorrectly	fergusond	08/17/11 08:48

8260B

CONFIDENTIAL

CABOT_OIL 0097776

DIM0047620

DIM0047608

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 9154

Lab Sample ID: IC 180-9154/2 Client Sample ID:

Date Analyzed: 08/02/11 04:12 Lab File ID: V0802IC1.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.43	Peak Not Found	piccolino v	08/02/11 06:18
N-Nitrosodimethylamine	1.93	Poor Chromatography	piccolino v	08/02/11 06:18
Pyridine	2.00	Poor Chromatography	piccolino v	08/02/11 06:18
Benzoic acid	5.30	Poor Chromatography	piccolino v	08/02/11 06:18
Benzidine	9.03	Peak Not Found	piccolino v	08/02/11 06:19
Bis(2-ethylhexyl) phthalate	10.03	Poor Chromatography	piccolino v	08/02/11 06:19
7,12-Dimethylbenz(a)anthracene	11.02	Poor Chromatography	piccolino v	08/02/11 06:19
Benzo[k]fluoranthene	11.06	Poor Chromatography	piccolino v	08/02/11 06:19
Benzo[a]pyrene	11.40	Poor Chromatography	piccolino v	08/02/11 06:19
Indeno[1,2,3-cd]pyrene	12.86	Poor Chromatography	piccolino v	08/02/11 06:19
Dibenz(a,h)anthracene	12.87	Poor Chromatography	piccolino v	08/02/11 06:19
Benzo[g,h,i]perylene	13.29	Poor Chromatography	piccolino v	08/02/11 06:20

8270C LL

CONFIDENTIAL

CABOT_OIL 0097777

DIM0047621

DIM0047608

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 9154

Lab Sample ID: IC 180-9154/3 Client Sample ID:

Date Analyzed: 08/02/11 04:34 Lab File ID: V0802IC2.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.95	Poor Chromatography	piccolinov	08/02/11 06:20
Benzoic acid	5.31	Poor Chromatography	piccolinov	08/02/11 06:20
Benzidine	9.04	Poor Chromatography	piccolinov	08/02/11 06:20
Bis(2-ethylhexyl) phthalate	10.03	Poor Chromatography	piccolinov	08/02/11 06:21
Chrysene	10.09	Poor Chromatography	piccolinov	08/02/11 06:21
Di-n-octyl phthalate	10.57	Poor Chromatography	piccolinov	08/02/11 06:21
Benzo[k]fluoranthene	11.07	Poor Chromatography	piccolinov	08/02/11 06:21
Benzo[a]pyrene	11.41	Poor Chromatography	piccolinov	08/02/11 06:22
Indeno[1,2,3-cd]pyrene	12.88	Poor Chromatography	piccolinov	08/02/11 06:22
Dibenz(a,h)anthracene	12.90	Poor Chromatography	piccolinov	08/02/11 06:22
Benzo[g,h,i]perylene	13.31	Poor Chromatography	piccolinov	08/02/11 06:22

8270C LL

CONFIDENTIAL

CABOT_OIL 0097778

DIM0047622

DIM0047608

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 9154

Lab Sample ID: ICIS 180-9154/4 Client Sample ID:

Date Analyzed: 08/02/11 04:56 Lab File ID: V0802IC3.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.42	Poor Chromatography	piccolino v	08/02/11 06:22
Pyridine	1.94	Poor Chromatography	piccolino v	08/02/11 06:23
Benzoic acid	5.32	Poor Chromatography	piccolino v	08/02/11 06:23
Acenaphthene	6.89	Poor Chromatography	piccolino v	08/02/11 06:23
2,3,4,6-Tetrachlorophenol	7.12	Poor Chromatography	piccolino v	08/02/11 06:23
Pentachlorophenol	7.86	Poor Chromatography	piccolino v	08/02/11 06:24
Benzidine	9.04	Poor Chromatography	piccolino v	08/02/11 06:24
Di-n-octyl phthalate	10.57	Poor Chromatography	piccolino v	08/02/11 06:24
Benzo[b]fluoranthene	11.04	Poor Chromatography	piccolino v	08/02/11 06:24
Benzo[k]fluoranthene	11.07	Poor Chromatography	piccolino v	08/02/11 06:24
Benzo[a]pyrene	11.41	Poor Chromatography	piccolino v	08/02/11 06:24
Indeno[1,2,3-cd]pyrene	12.88	Poor Chromatography	piccolino v	08/02/11 06:25
Dibenz(a,h)anthracene	12.89	Poor Chromatography	piccolino v	08/02/11 06:25
Benzo[g,h,i]perylene	13.30	Poor Chromatography	piccolino v	08/02/11 06:25

8270C LL

CONFIDENTIAL

CABOT_OIL 0097779

DIM0047623

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 9154

Lab Sample ID: IC 180-9154/5 Client Sample ID:

Date Analyzed: 08/02/11 05:18 Lab File ID: V0802IC4.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.93	Peak Not Found	piccolino v	08/02/11 06:25
Benzidine	9.03	Poor Chromatography	piccolino v	08/02/11 06:26
Dibenz(a,h)anthracene	12.89	Poor Chromatography	piccolino v	08/02/11 06:26
Benzo[g,h,i]perylene	13.30	Poor Chromatography	piccolino v	08/02/11 06:26

Lab Sample ID: IC 180-9154/6 Client Sample ID:

Date Analyzed: 08/02/11 05:41 Lab File ID: V0802IC5.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.41	Poor Chromatography	piccolino v	08/02/11 06:26
Pyridine	1.92	Peak Not Found	piccolino v	08/02/11 06:27
Benzidine	9.03	Poor Chromatography	piccolino v	08/02/11 06:27
Benzo[k]fluoranthene	11.08	Poor Chromatography	piccolino v	08/02/11 06:28

8270C LL

CONFIDENTIAL

CABOT_OIL 0097780

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 9154

Lab Sample ID: IC 180-9154/7 Client Sample ID:

Date Analyzed: 08/02/11 06:04 Lab File ID: V0802IC6.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.92	Peak Not Found	piccolino v	08/02/11 06:29
Benzoic acid	5.35	Peak Not Found	piccolino v	08/02/11 06:29
Caprolactam	5.84	Peak Not Found	piccolino v	08/02/11 06:30

Lab Sample ID: IC 180-9154/8 Client Sample ID:

Date Analyzed: 08/02/11 06:27 Lab File ID: V0802IC7.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.86	Poor Chromatography	piccolino v	08/02/11 06:56
Atrazine	7.78	Poor Chromatography	piccolino v	08/02/11 06:57
Perylene-d12	11.48	Poor Chromatography	piccolino v	08/02/11 06:56

8270C LL

CONFIDENTIAL

CABOT_OIL 0097781

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 10588

Lab Sample ID: CCVIS 180-10588/26 Client Sample ID:

Date Analyzed: 08/13/11 13:51 Lab File ID: V08130CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.85	Poor Chromatography	piccolino v	08/15/11 07:14

Lab Sample ID: LCS 180-9967/2-A Client Sample ID:

Date Analyzed: 08/13/11 19:11 Lab File ID: V0813027.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Terphenyl-d14	9.16	Peak Not Found	piccolino v	08/15/11 07:44

8270C LL

CONFIDENTIAL

CABOT_OIL 0097782

DIM0047608

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: 731 Analysis Batch Number: 13666

Lab Sample ID: CCVIS 180-13666/2 Client Sample ID:

Date Analyzed: 08/13/11 13:51 Lab File ID: V08130CC.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.85	Poor Chromatography	piccolino v	08/15/11 07:14

Lab Sample ID: 180-2644-2 Client Sample ID: AW-2

Date Analyzed: 08/14/11 00:50 Lab File ID: V0813033.D GC Column: Rxi-5SilMS ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.89	Peak Not Found	piccolino v	08/15/11 07:52
Naphthalene-d8	5.44	Peak Not Found	piccolino v	08/15/11 07:51
2-Fluorobiphenyl	6.27	Peak Not Found	piccolino v	08/15/11 07:52
Acenaphthene-d10	6.78	Peak Not Found	piccolino v	08/15/11 07:51

8270C LL

CONFIDENTIAL

CABOT_OIL 0097783

DIM0047627

DIM0047608

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 11137

Lab Sample ID: IC 180-10157/1-A Client Sample ID:

Date Analyzed: 08/15/11 12:08 Lab File ID: W0810104.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.71	Poor Chromatography	derubeisj	08/17/11 14:28

Lab Sample ID: IC 180-10157/2-A Client Sample ID:

Date Analyzed: 08/15/11 12:37 Lab File ID: W0810105.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.71	Poor Chromatography	derubeisj	08/17/11 14:29

Lab Sample ID: IC 180-10157/3-A Client Sample ID:

Date Analyzed: 08/15/11 13:07 Lab File ID: W0810106.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.71	Poor Chromatography	derubeisj	08/17/11 14:29

Lab Sample ID: ICRT 180-10157/4-A Client Sample ID:

Date Analyzed: 08/15/11 13:36 Lab File ID: W0810107.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.71	Poor Chromatography	derubeisj	08/17/11 14:26

Lab Sample ID: IC 180-10157/5-A Client Sample ID:

Date Analyzed: 08/15/11 14:06 Lab File ID: W0810108.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1,2-Tetrachloroethane	6.75	Poor Chromatography	derubeisj	08/17/11 14:30
1,2-Dibromo-3-Chloropropane	10.71	Poor Chromatography	derubeisj	08/17/11 14:30

8011

CONFIDENTIAL

CABOT_OIL 0097784

DIM0047628

DIM0047608

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 11137

Lab Sample ID: IC 180-10157/6-A Client Sample ID:

Date Analyzed: 08/15/11 14:35 Lab File ID: W0810109.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.72	Poor Chromatography	derubeisj	08/17/11 14:30

Lab Sample ID: ICV 180-10157/7-A Client Sample ID:

Date Analyzed: 08/15/11 15:05 Lab File ID: W0810110.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromo-3-Chloropropane	10.72	Poor Chromatography	derubeisj	08/17/11 14:34

Lab Sample ID: CCV 180-10157/16-A Client Sample ID:

Date Analyzed: 08/15/11 21:56 Lab File ID: W0810124.D GC Column: Rxi-50 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,1,2-Tetrachloroethane	6.75	Poor Chromatography	derubeisj	08/17/11 14:35
1,2-Dibromo-3-Chloropropane	10.72	Poor Chromatography	derubeisj	08/17/11 14:36

8011

CONFIDENTIAL

CABOT_OIL 0097785

DIM0047629

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 11141

Lab Sample ID: IC 180-10624/1-A Client Sample ID:

Date Analyzed: 08/15/11 11:38 Lab File ID: X0810104.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.78	Poor Chromatography	derubeisj	08/15/11 13:37
1,1,1,2-Tetrachloroethane	6.26	Poor Chromatography	derubeisj	08/15/11 13:37
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:47
1,2-Dibromo-3-Chloropropane	9.98	Poor Chromatography	derubeisj	08/15/11 13:37

Lab Sample ID: IC 180-10624/2-A Client Sample ID:

Date Analyzed: 08/15/11 12:08 Lab File ID: X0810105.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/15/11 13:38
1,1,1,2-Tetrachloroethane	6.26	Poor Chromatography	derubeisj	08/15/11 13:38
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:48

Lab Sample ID: IC 180-10624/3-A Client Sample ID:

Date Analyzed: 08/15/11 12:37 Lab File ID: X0810106.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/15/11 13:36
1,1,1,2-Tetrachloroethane	6.25	Poor Chromatography	derubeisj	08/15/11 13:36
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:48

DIM0047608

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 11141

Lab Sample ID: ICRT 180-10624/4-A Client Sample ID:

Date Analyzed: 08/15/11 13:07 Lab File ID: X0810107.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/15/11 13:34
1,1,1,2-Tetrachloroethane	6.25	Poor Chromatography	derubeisj	08/15/11 13:34
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:49

Lab Sample ID: IC 180-10624/5-A Client Sample ID:

Date Analyzed: 08/15/11 13:36 Lab File ID: X0810108.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/16/11 15:49
1,1,1,2-Tetrachloroethane	6.25	Poor Chromatography	derubeisj	08/16/11 15:49
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:50

Lab Sample ID: IC 180-10624/6-A Client Sample ID:

Date Analyzed: 08/15/11 14:06 Lab File ID: X0810109.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/16/11 15:49
1,1,1,2-Tetrachloroethane	6.25	Poor Chromatography	derubeisj	08/16/11 15:50
1,2,3-Trichloropropane	7.78	Poor Chromatography	derubeisj	08/18/11 11:51
1,2-Dibromo-3-Chloropropane	9.97	Poor Chromatography	derubeisj	08/16/11 15:50

Lab Sample ID: ICV 180-10624/7-A Client Sample ID:

Date Analyzed: 08/15/11 14:35 Lab File ID: X0810110.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/16/11 15:56
1,1,1,2-Tetrachloroethane	6.26	Poor Chromatography	derubeisj	08/16/11 15:56

8011

CONFIDENTIAL

CABOT_OIL 0097787

DIM0047631

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: GC12 Analysis Batch Number: 11141

Lab Sample ID: CCV 180-10624/18-A Client Sample ID:

Date Analyzed: 08/15/11 21:27 Lab File ID: X0810124.D GC Column: RTX-1701 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dibromoethane (EDB)	5.77	Poor Chromatography	derubeisj	08/16/11 15:57
1,1,1,2-Tetrachloroethane	6.25	Poor Chromatography	derubeisj	08/16/11 15:57

8011

CONFIDENTIAL

CABOT_OIL 0097788

DIM0047608

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: IC25 Analysis Batch Number: 9103

Lab Sample ID: IC 180-9103/2 Client Sample ID:

Date Analyzed: 07/26/11 19:00 Lab File ID: 0002.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.76	Baseline Event	waclaskil	07/27/11 09:12

Lab Sample ID: IC 180-9103/3 Client Sample ID:

Date Analyzed: 07/26/11 19:14 Lab File ID: 0003.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.75	Baseline Event	waclaskil	07/27/11 09:13

Lab Sample ID: IC 180-9103/4 Client Sample ID:

Date Analyzed: 07/26/11 19:28 Lab File ID: 0004.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.75	Baseline Event	waclaskil	07/27/11 09:13

Lab Sample ID: IC 180-9103/5 Client Sample ID:

Date Analyzed: 07/26/11 19:42 Lab File ID: 0005.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.76	Baseline Event	waclaskil	07/27/11 09:14

Lab Sample ID: IC 180-9103/6 Client Sample ID:

Date Analyzed: 07/26/11 19:56 Lab File ID: 0006.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.74	Baseline Event	waclaskil	07/27/11 09:14

300.0

CONFIDENTIAL

CABOT_OIL 0097789

DIM0047633

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: IC25 Analysis Batch Number: 9103

Lab Sample ID: IC 180-9103/7 Client Sample ID:

Date Analyzed: 07/26/11 20:10 Lab File ID: 0007.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloride	3.76	Baseline Event	waclaskil	07/27/11 09:09

300.0

CONFIDENTIAL

CABOT_OIL 0097790

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: IC25 Analysis Batch Number: 9894

Lab Sample ID: ICV 180-9894/2 Client Sample ID:

Date Analyzed: 08/05/11 09:41 Lab File ID: 0009.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.71	Baseline Event	waclaskil	08/05/11 10:31
Chloride	3.62	Baseline Event	waclaskil	08/05/11 10:30
Bromide	4.84	Baseline Event	waclaskil	08/05/11 10:30

Lab Sample ID: CCV 180-9894/3 Client Sample ID:

Date Analyzed: 08/05/11 09:55 Lab File ID: 0010.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.72	Baseline Event	waclaskil	08/05/11 10:32
Chloride	3.62	Baseline Event	waclaskil	08/05/11 10:32
Bromide	4.85	Baseline Event	waclaskil	08/05/11 10:32

Lab Sample ID: LCS 180-9894/5 Client Sample ID:

Date Analyzed: 08/05/11 10:23 Lab File ID: 0012.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloride	3.62	Baseline Event	waclaskil	08/05/11 11:41

Lab Sample ID: MB 180-9894/6 Client Sample ID:

Date Analyzed: 08/05/11 10:37 Lab File ID: 0013.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloride	3.65	Baseline Event	waclaskil	08/05/11 11:43

300.0

CONFIDENTIAL

CABOT_OIL 0097791

DIM0047608

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: IC25 Analysis Batch Number: 9894

Lab Sample ID: LCSD 180-9894/7 Client Sample ID:

Date Analyzed: 08/05/11 10:51 Lab File ID: 0014.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloride	3.61	Baseline Event	waclaskil	08/05/11 11:44

Lab Sample ID: CCV 180-9894/15 Client Sample ID:

Date Analyzed: 08/05/11 13:10 Lab File ID: 0022.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.73	Baseline Event	waclaskil	08/05/11 14:41
Chloride	3.63	Baseline Event	waclaskil	08/05/11 14:41
Bromide	4.85	Baseline Event	waclaskil	08/05/11 14:41

Lab Sample ID: CCV 180-9894/38 Client Sample ID:

Date Analyzed: 08/06/11 08:13 Lab File ID: 0045.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.72	Baseline Event	waclaskil	08/08/11 09:29
Chloride	3.62	Baseline Event	waclaskil	08/08/11 09:29
Bromide	4.86	Baseline Event	waclaskil	08/08/11 09:29

Lab Sample ID: LCS 180-9894/48 Client Sample ID:

Date Analyzed: 08/06/11 10:33 Lab File ID: 0055.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloride	3.63	Baseline Event	waclaskil	08/08/11 10:15

300.0

CONFIDENTIAL

CABOT_OIL 0097792

DIM0047636

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Pittsburgh Job No.: 180-2644-1

SDG No.:

Instrument ID: IC25 Analysis Batch Number: 9894

Lab Sample ID: CCV 180-9894/50 Client Sample ID:

Date Analyzed: 08/06/11 11:00 Lab File ID: 0057.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.72	Baseline Event	waclaskil	08/06/11 11:20
Chloride	3.63	Baseline Event	waclaskil	08/06/11 11:20
Bromide	4.86	Baseline Event	waclaskil	08/06/11 11:20

Lab Sample ID: CCV 180-9894/61 Client Sample ID:

Date Analyzed: 08/06/11 14:22 Lab File ID: 0068.d GC Column: AS-14 ID:

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.73	Baseline Event	waclaskil	08/08/11 09:31
Chloride	3.63	Baseline Event	waclaskil	08/08/11 09:31
Bromide	4.84	Baseline Event	waclaskil	08/08/11 09:31

300.0

CONFIDENTIAL

DIM0047608

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-2644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 1254

Lab Sample ID: STD1 480-1254/1 IC Client Sample ID:

Date Analyzed: 04/09/10 13:46 Lab File ID: PE01GLY007.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.94	Baseline Smoothing	bescod	11/30/10 13:26

Lab Sample ID: STD2 480-1254/2 IC Client Sample ID:

Date Analyzed: 04/09/10 13:58 Lab File ID: PE01GLY008.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Baseline Smoothing	bescod	11/30/10 13:27

Lab Sample ID: STD3 480-1254/3 IC Client Sample ID:

Date Analyzed: 04/09/10 14:11 Lab File ID: PE01GLY009.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Baseline Smoothing	bescod	11/30/10 13:28

Lab Sample ID: STD4 480-1254/4 IC Client Sample ID:

Date Analyzed: 04/09/10 14:24 Lab File ID: PE01GLY010.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Shouldering	bescod	11/30/10 13:29

Lab Sample ID: STD5 480-1254/5 IC Client Sample ID:

Date Analyzed: 04/09/10 14:36 Lab File ID: PE01GLY011.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Triethylene Glycol	8.93	Shouldering	bescod	11/30/10 13:30

8015B

CONFIDENTIAL

CABOT_OIL 0097794

DIM0047638

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-2644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 1254

Lab Sample ID: STD6 480-1254/6 IC Client Sample ID:

Date Analyzed: 04/09/10 14:49 Lab File ID: PE01GLY012.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methoxyethanol	2.00	Baseline Smoothing	bescod	11/30/10 12:54
2-Ethoxyethanol	2.16	Baseline Smoothing	bescod	11/30/10 12:54
Propylene glycol	4.64	Baseline Smoothing	bescod	11/30/10 12:54
Ethylene glycol	4.90	Baseline Smoothing	bescod	11/30/10 12:54
1,4-Butanediol	6.99	Baseline Smoothing	bescod	11/30/10 12:54
2,2'-Oxybisethanol	7.34	Baseline Smoothing	bescod	11/30/10 12:54
Triethylene Glycol	8.94	Baseline Smoothing	bescod	11/30/10 12:54

8015B

CONFIDENTIAL

CABOT_OIL 0097795

DIM0047608

GC VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 180-2644-1

SDG No.:

Instrument ID: PE-01 Analysis Batch Number: 27383

Lab Sample ID: CCV 480-27383/14 Client Sample ID:

Date Analyzed: 08/12/11 21:18 Lab File ID: PE06077.d GC Column: ZB-5 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethylene glycol	4.83	Peak Tail	WolfL	08/12/11 21:37

8015B

CONFIDENTIAL

CABOT_OIL 0097796

DIM0047640

SAMPLE SUMMARY

Client: URS Corporation

Job Number: 180-2644-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
180-2644-1	TC-1	Water	08/04/2011 0930	08/05/2011 1000
180-2644-2	AW-2	Water	08/04/2011 1320	08/05/2011 1000

EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 180-2644-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-2644-1	**TC-1**					
Butyl benzyl phthalate		0.17	J	1.2	ug/L	8270C LL
Di-n-butyl phthalate		0.87	J	1.2	ug/L	8270C LL
Triethylene Glycol		2.7	J B	10	mg/L	8015B
2,2'-Oxybisethanol		1.8	J	10	mg/L	8015B
Methane		18		1.0	ug/L	RSK-175
Aluminum		3.8	J	30	ug/L	6020
Arsenic		2.2		1.0	ug/L	6020
Barium		210		10	ug/L	6020
Boron		24	B	5.0	ug/L	6020
Calcium		22000		100	ug/L	6020
Cobalt		0.051	J	0.50	ug/L	6020
Chromium		1.3	J	2.0	ug/L	6020
Copper		1.1	J	2.0	ug/L	6020
Iron		1100		50	ug/L	6020
Potassium		880		100	ug/L	6020
Magnesium		4800		100	ug/L	6020
Manganese		190	B	0.50	ug/L	6020
Sodium		18000		100	ug/L	6020
Lead		0.11	J B	1.0	ug/L	6020
Molybdenum		0.49	J B	5.0	ug/L	6020
Antimony		0.019	J B	2.0	ug/L	6020
Selenium		0.76	J	5.0	ug/L	6020
Zinc		2.6	J B	5.0	ug/L	6020
Chloride		2.1		1.0	mg/L	300.0
Ammonia, distilled		0.15	B	0.10	mg/L	350.1
Alkalinity		120	B	5.0	mg/L	SM 2320B
Total Dissolved Solids		220		10	mg/L	SM 2540C
pH		7.35	HF	0.100	SU	SM 4500 H+ B
Dissolved						
Arsenic		0.77	J	1.0	ug/L	6020
Barium		210		10	ug/L	6020
Boron		25	B	5.0	ug/L	6020
Calcium		26000		100	ug/L	6020
Cobalt		0.089	J	0.50	ug/L	6020
Chromium		3.6		2.0	ug/L	6020
Copper		0.90	J	2.0	ug/L	6020
Iron		27	J	50	ug/L	6020
Potassium		1100		100	ug/L	6020
Magnesium		5200		100	ug/L	6020
Manganese		200		0.50	ug/L	6020
Sodium		19000		100	ug/L	6020
Nickel		0.51	J	1.0	ug/L	6020
Lead		0.14	J	1.0	ug/L	6020
Molybdenum		1.3	J B	5.0	ug/L	6020
Antimony		0.65	J B	2.0	ug/L	6020

EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 180-2644-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Selenium		0.55	J	5.0	ug/L	6020
Thallium		0.025	J	1.0	ug/L	6020
Zinc		2.8	J	5.0	ug/L	6020

EXECUTIVE SUMMARY - Detections

Client: URS Corporation

Job Number: 180-2644-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
180-2644-2	**AW-2**					
Di-n-butyl phthalate		0.46	J	1.0	ug/L	8270C LL
Diethyl phthalate		0.20	J	1.0	ug/L	8270C LL
GRO (C6-C10)		17	J	25	ug/L	8015B
2,2'-Oxybisethanol		0.58	J	10	mg/L	8015B
Aluminum		3.0	J	30	ug/L	6020
Arsenic		0.47	J	1.0	ug/L	6020
Barium		130		10	ug/L	6020
Boron		13	B	5.0	ug/L	6020
Calcium		27000		100	ug/L	6020
Cobalt		0.067	J	0.50	ug/L	6020
Chromium		2.0		2.0	ug/L	6020
Copper		0.64	J	2.0	ug/L	6020
Potassium		1500		100	ug/L	6020
Magnesium		7700		100	ug/L	6020
Manganese		0.42	J B	0.50	ug/L	6020
Sodium		7300		100	ug/L	6020
Lead		0.027	J B	1.0	ug/L	6020
Molybdenum		0.55	J B	5.0	ug/L	6020
Antimony		0.78	J B	2.0	ug/L	6020
Selenium		0.84	J	5.0	ug/L	6020
Zinc		4.2	J B	5.0	ug/L	6020
Chloride		21		1.0	mg/L	300.0
Ammonia, distilled		0.10	B	0.10	mg/L	350.1
Alkalinity		89	B	5.0	mg/L	SM 2320B
Total Dissolved Solids		280		10	mg/L	SM 2540C
pH		6.82	HF	0.100	SU	SM 4500 H+ B
Dissolved						
Barium		130		10	ug/L	6020
Boron		14	B	5.0	ug/L	6020
Calcium		31000		100	ug/L	6020
Cobalt		0.11	J	0.50	ug/L	6020
Chromium		4.3		2.0	ug/L	6020
Copper		0.77	J	2.0	ug/L	6020
Potassium		1800		100	ug/L	6020
Magnesium		8200		100	ug/L	6020
Manganese		0.45	J	0.50	ug/L	6020
Sodium		8100		100	ug/L	6020
Nickel		0.44	J	1.0	ug/L	6020
Lead		0.092	J	1.0	ug/L	6020
Molybdenum		0.56	J B	5.0	ug/L	6020
Antimony		0.23	J B	2.0	ug/L	6020
Thallium		0.021	J	1.0	ug/L	6020
Zinc		2.3	J	5.0	ug/L	6020

METHOD SUMMARY

Client: URS Corporation

Job Number: 180-2644-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL PIT	SW846 8260B	
Purge and Trap	TAL PIT		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL PIT	SW846 8270C LL	
Liquid-Liquid Extraction (Continuous			SW846 3520C
Semivolatile Organic Compounds by GCMS - Low Levels	TAL PIT	SW846 8270C LL	
Liquid-Liquid Extraction (Continuous)			SW846 3520C
EDB, DBCP, and 1,2,3-TCP (GC)	TAL PIT	SW846 8011	
Microextraction			SW846 8011
Metals (ICP/MS)	TAL PIT	SW846 6020	
Preparation, Total Recoverable or Dissolved Metals			SW846 3005A
Sample Filtration			Filtration
Metals (ICP/MS)	TAL PIT	SW846 6020	
Preparation, Total Metals			SW846 3010A
Mercury (CVAA)	TAL PIT	SW846 7470A	
Preparation, Mercury			SW846 7470A
Mercury (CVAA)	TAL PIT	SW846 7470A	
Preparation, Mercury			SW846 7470A
Sample Filtration, Field			FIELD_FLTRD
HEM and SGT-HEM	TAL PIT	1664A 1664A	
HEM and SGT-HEM (SPE)			1664A 1664A
Anions, Ion Chromatography	TAL PIT	MCAWW 300.0	
Nitrogen, Ammonia	TAL PIT	MCAWW 350.1	
Distillation, Ammonia			Distill/Ammonia
Acidity	TAL PIT	SM SM 2310B	
Alkalinity	TAL PIT	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL PIT	SM SM 2540C	
Solids, Total Suspended (TSS)	TAL PIT	SM SM 2540D	
pH	TAL PIT	SM SM 4500 H+ B	
Methylene Blue Active Substances (MBAS)	TAL PIT	SM SM 5540C	
Gasoline Range Organics - (GC)	TAL BUF	SW846 8015B	
Purge and Trap	TAL BUF		SW846 5030B
Glycols -Direct Injection (GC/FID)	TAL BUF	SW846 8015B	
8015 Direct Injection Prep (Aqueous)			SW846 8015 Prep
Dissolved Gases (GC)	TAL BUF	RSK RSK-175	
Diesel Range Organics (DRO) (GC)	TAL BUF	SW846 8015B	
Liquid-Liquid Extraction (Separatory Funnel)			SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

TAL PIT = TestAmerica Pittsburgh

METHOD SUMMARY

Client: URS Corporation

Job Number: 180-2644-1

Description	Lab Location	Method	Preparation Method

Method References:

1664A = EPA-821-98-002

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique, RSKSOP-175, Rev. 0, 8/11/94, USEPA Research Lab

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: URS Corporation

Job Number: 180-2644-1

Method	Analyst	Analyst ID
SW846 8260B	Ferguson, Donald	DF
SW846 8270C LL	Piccolino, Vincent	VP
SW846 8015B	Michalek, Jason	JM
SW846 8015B	Wolf, Leah	LW
RSK RSK-175	Michalek, Jason	JM
SW846 8011	DeRubeis, James D	JDD
SW846 8015B	Dosier, Christina	CD
SW846 6020	Reinheimer, Bill	BR
SW846 7470A	Swanson, Jim	JS
1664A 1664A	McLaughlin, Jeremiah W	JWM
MCAWW 300.0	Waclaski, Linx	lw
MCAWW 350.1	Kieda, Chuck	CK
SM SM 2310B	Johnson, Paul	PJ
SM SM 2320B	Loheyde, Cheryl	CL
SM SM 2540C	Kunkle, Sarah	SK
SM SM 2540D	Kunkle, Sarah	SK
SM SM 4500 H+ B	Bortot, Alexandra	AB
SM SM 5540C	Roffol, Sandy L	SLR

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1224			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.0	U	2.5	5.0
Benzene	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.13	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.31	1.0
2-Butanone (MEK)	5.0	U	0.55	5.0
Carbon disulfide	1.0	U	0.21	1.0
Carbon tetrachloride	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.21	1.0
Chloroform	1.0	U	0.17	1.0
1,2-Dibromoethane (EDB)	1.0	U	0.18	1.0
1,2-Dichloroethene, Total	1.0	U	0.51	1.0
1,1-Dichloroethane	1.0	U	0.12	1.0
Bromochloromethane	1.0	U	0.18	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,1-Dichloroethene	1.0	U	0.30	1.0
trans-1,2-Dichloroethene	1.0	U	0.17	1.0
1,2-Dichloropropane	1.0	U	0.095	1.0
cis-1,3-Dichloropropene	1.0	U	0.19	1.0
trans-1,3-Dichloropropene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.23	1.0
2-Hexanone	5.0	U	0.16	5.0
Methylene Chloride	1.0	U	0.15	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.53	5.0
Styrene	1.0	U	0.097	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.20	1.0
Tetrachloroethene	1.0	U	0.15	1.0
Toluene	1.0	U	0.15	1.0
1,1,1-Trichloroethane	1.0	U	0.29	1.0
1,1,2-Trichloroethane	1.0	U	0.20	1.0
Trichloroethene	1.0	U	0.14	1.0
Vinyl chloride	1.0	U	0.23	1.0
Xylenes, Total	3.0	U	0.49	3.0
N-Propylbenzene	1.0	U	0.20	1.0
cis-1,2-Dichloroethene	1.0	U	0.24	1.0
Isopropylbenzene	1.0	U	0.16	1.0
1,3,5-Trimethylbenzene	1.0	U	0.22	1.0
Methyl tert-butyl ether	1.0	U	0.18	1.0
1,2,4-Trimethylbenzene	1.0	U	0.12	1.0
1,2-Dichlorobenzene	1.0	U	0.15	1.0
sec-Butylbenzene	1.0	U	0.28	1.0
1,3-Dichlorobenzene	1.0	U	0.11	1.0
p-Isopropyltoluene	1.0	U	0.18	1.0
1,4-Dichlorobenzene	1.0	U	0.21	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1224			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.28	1.0
n-Butylbenzene	1.0	U	0.23	1.0
m-Xylene & p-Xylene	2.0	U	0.41	2.0
Naphthalene	1.0	U	0.078	1.0
o-Xylene	1.0	U	0.11	1.0
Dibromochloromethane	1.0	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		64 - 135
Toluene-d8 (Surr)	97		71 - 118
4-Bromofluorobenzene (Surr)	86		70 - 118
Dibromofluoromethane (Surr)	90		70 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817013.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1224			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1224				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.11	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.23	1.0
Xylenes, Total	3.0	U	0.49	3.0
Isopropylbenzene	1.0	U	0.16	1.0
Methyl tert-butyl ether	1.0	U	0.18	1.0
1,2,4-Trimethylbenzene	1.0	U	0.12	1.0
1,3,5-Trimethylbenzene	1.0	U	0.22	1.0
Naphthalene	1.0	U	0.078	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	80		64 - 135
Toluene-d8 (Surr)	97		71 - 118
4-Bromofluorobenzene (Surr)	86		70 - 118
Dibromofluoromethane (Surr)	90		70 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2
Client Matrix: Water

Date Sampled: 08/04/2011 1320
Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1252			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	5.0	U	2.5	5.0
Benzene	1.0	U	0.11	1.0
Bromodichloromethane	1.0	U	0.13	1.0
Bromoform	1.0	U	0.19	1.0
Bromomethane	1.0	U	0.31	1.0
2-Butanone (MEK)	5.0	U	0.55	5.0
Carbon disulfide	1.0	U	0.21	1.0
Carbon tetrachloride	1.0	U	0.14	1.0
Chlorobenzene	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.21	1.0
Chloroform	1.0	U	0.17	1.0
1,2-Dibromoethane (EDB)	1.0	U	0.18	1.0
1,2-Dichloroethene, Total	1.0	U	0.51	1.0
1,1-Dichloroethane	1.0	U	0.12	1.0
Bromochloromethane	1.0	U	0.18	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0
1,1-Dichloroethene	1.0	U	0.30	1.0
trans-1,2-Dichloroethene	1.0	U	0.17	1.0
1,2-Dichloropropane	1.0	U	0.095	1.0
cis-1,3-Dichloropropene	1.0	U	0.19	1.0
trans-1,3-Dichloropropene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.23	1.0
2-Hexanone	5.0	U	0.16	5.0
Methylene Chloride	1.0	U	0.15	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.53	5.0
Styrene	1.0	U	0.097	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.20	1.0
Tetrachloroethene	1.0	U	0.15	1.0
Toluene	1.0	U	0.15	1.0
1,1,1-Trichloroethane	1.0	U	0.29	1.0
1,1,2-Trichloroethane	1.0	U	0.20	1.0
Trichloroethene	1.0	U	0.14	1.0
Vinyl chloride	1.0	U	0.23	1.0
Xylenes, Total	3.0	U	0.49	3.0
N-Propylbenzene	1.0	U	0.20	1.0
cis-1,2-Dichloroethene	1.0	U	0.24	1.0
Isopropylbenzene	1.0	U	0.16	1.0
1,3,5-Trimethylbenzene	1.0	U	0.22	1.0
Methyl tert-butyl ether	1.0	U	0.18	1.0
1,2,4-Trimethylbenzene	1.0	U	0.12	1.0
1,2-Dichlorobenzene	1.0	U	0.15	1.0
sec-Butylbenzene	1.0	U	0.28	1.0
1,3-Dichlorobenzene	1.0	U	0.11	1.0
p-Isopropyltoluene	1.0	U	0.18	1.0
1,4-Dichlorobenzene	1.0	U	0.21	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1252			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.28	1.0
n-Butylbenzene	1.0	U	0.23	1.0
m-Xylene & p-Xylene	2.0	U	0.41	2.0
Naphthalene	1.0	U	0.078	1.0
o-Xylene	1.0	U	0.11	1.0
Dibromochloromethane	1.0	U	0.14	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		64 - 135
Toluene-d8 (Surr)	98		71 - 118
4-Bromofluorobenzene (Surr)	88		70 - 118
Dibromofluoromethane (Surr)	90		70 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	180-10937	Instrument ID:	HP6
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	60817014.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/17/2011 1252			Final Weight/Volume:	5 mL
Prep Date:	08/17/2011 1252				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1.0	U	0.11	1.0
Toluene	1.0	U	0.15	1.0
Ethylbenzene	1.0	U	0.23	1.0
Xylenes, Total	3.0	U	0.49	3.0
Isopropylbenzene	1.0	U	0.16	1.0
Methyl tert-butyl ether	1.0	U	0.18	1.0
1,2,4-Trimethylbenzene	1.0	U	0.12	1.0
1,3,5-Trimethylbenzene	1.0	U	0.22	1.0
Naphthalene	1.0	U	0.078	1.0
1,2-Dichloroethane	1.0	U	0.21	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	77		64 - 135
Toluene-d8 (Surr)	98		71 - 118
4-Bromofluorobenzene (Surr)	88		70 - 118
Dibromofluoromethane (Surr)	90		70 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-10588	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813032.D
Dilution:	1.0			Initial Weight/Volume:	850 mL
Analysis Date:	08/14/2011 0027			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.24	U	0.017	0.24
Acenaphthylene	0.24	U	0.018	0.24
Anthracene	0.24	U	0.18	0.24
Benzo[a]anthracene	0.24	U	0.017	0.24
Benzo[b]fluoranthene	0.24	U	0.018	0.24
Benzo[k]fluoranthene	0.24	U	0.064	0.24
Benzo[g,h,i]perylene	0.24	U	0.018	0.24
Benzo[a]pyrene	0.24	U	0.016	0.24
Bis(2-chloroethoxy)methane	1.2	U	0.068	1.2
Bis(2-chloroethyl)ether	0.24	U	0.030	0.24
Bis(2-ethylhexyl) phthalate	2.4	U	1.5	2.4
Butyl benzyl phthalate	0.17	J	0.17	1.2
Carbazole	0.24	U	0.019	0.24
Chrysene	0.24	U	0.016	0.24
2-Chloronaphthalene	0.24	U	0.018	0.24
2-Chlorophenol	1.2	U	0.19	1.2
2,4-Dichlorophenol	0.24	U	0.039	0.24
2,4-Dimethylphenol	1.2	U	0.10	1.2
2,4-Dinitrophenol	5.9	U	0.72	5.9
2,4-Dinitrotoluene	1.2	U	0.063	1.2
1,2-Dichlorobenzene	1.2	U	0.088	1.2
2-Methylnaphthalene	0.24	U	0.014	0.24
1,3-Dichlorobenzene	1.2	U	0.087	1.2
2-Methylphenol	1.2	U	0.10	1.2
1,4-Dichlorobenzene	1.2	U	0.088	1.2
2-Nitroaniline	5.9	U	0.41	5.9
2-Nitrophenol	1.2	U	0.20	1.2
bis (2-chloroisopropyl) ether	0.24	U	0.023	0.24
2,4,5-Trichlorophenol	1.2	U	0.18	1.2
2,4,6-Trichlorophenol	1.2	U	0.21	1.2
4-Nitroaniline	5.9	U	0.20	5.9
4-Nitrophenol	5.9	U	0.76	5.9
4-Chlorophenyl phenyl ether	1.2	U	0.059	1.2
Methylphenol, 3 & 4	1.2	U	0.11	1.2
4,6-Dinitro-2-methylphenol	5.9	U	0.26	5.9
4-Chloroaniline	1.2	U	0.10	1.2
4-Chloro-3-methylphenol	1.2	U	0.089	1.2
4-Bromophenyl phenyl ether	1.2	U	0.075	1.2
Dibenz(a,h)anthracene	0.24	U	0.018	0.24
Dibenzofuran	1.2	U	0.073	1.2
Di-n-butyl phthalate	0.87	J	0.15	1.2
Diethyl phthalate	1.2	U	0.17	1.2
Dimethyl phthalate	1.2	U	0.090	1.2
Di-n-octyl phthalate	1.2	U	0.24	1.2
3,3'-Dichlorobenzidine	1.2	U	0.13	1.2
3-Nitroaniline	5.9	U	0.38	5.9

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-10588	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813032.D
Dilution:	1.0			Initial Weight/Volume:	850 mL
Analysis Date:	08/14/2011 0027			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Fluoranthene	0.24	U	0.019	0.24
1,2,4-Trichlorobenzene	1.2	U	0.084	1.2
Fluorene	0.24	U	0.025	0.24
Hexachlorobenzene	0.24	U	0.022	0.24
Hexachlorobutadiene	0.24	U	0.020	0.24
Hexachlorocyclopentadiene	1.2	U	0.061	1.2
Hexachloroethane	1.2	U	0.074	1.2
Indeno[1,2,3-cd]pyrene	0.24	U	0.023	0.24
Isophorone	1.2	U	0.076	1.2
Naphthalene	0.24	U	0.016	0.24
Nitrobenzene	2.4	U	0.099	2.4
N-Nitrosodiphenylamine	1.2	U	0.10	1.2
N-Nitrosodi-n-propylamine	0.24	U	0.036	0.24
Pyrene	0.24	U	0.018	0.24
Phenol	0.24	U	0.068	0.24
Phenanthrene	0.24	U	0.050	0.24
Pentachlorophenol	1.2	U	0.078	1.2
Benzyl alcohol	1.2	U	0.25	1.2
2,6-Dichlorophenol	1.2	U	0.24	1.2
Benzoic acid	5.9	U	0.66	5.9
1,2-Diphenylhydrazine(as Azobenzene)	1.2	U	0.078	1.2
1-Methylnaphthalene	0.24	U	0.016	0.24
2,6-Dinitrotoluene	1.2	U	0.094	1.2
N-Nitrosodimethylamine	1.2	U	0.086	1.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	55		16 - 122
2-Fluorobiphenyl	53		19 - 107
2-Fluorophenol	46		10 - 111
Nitrobenzene-d5	68		23 - 112
Phenol-d5	54		15 - 112
Terphenyl-d14	77		10 - 132

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-10588	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813032.D
Dilution:	1.0			Initial Weight/Volume:	850 mL
Analysis Date:	08/14/2011 0027			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	0.24	U	0.18	0.24
Benzo[a]anthracene	0.24	U	0.017	0.24
Benzo[b]fluoranthene	0.24	U	0.018	0.24
Benzo[g,h,i]perylene	0.24	U	0.018	0.24
Benzo[a]pyrene	0.24	U	0.016	0.24
Chrysene	0.24	U	0.016	0.24
Fluorene	0.24	U	0.025	0.24
Indeno[1,2,3-cd]pyrene	0.24	U	0.023	0.24
Phenanthrene	0.24	U	0.050	0.24
Pyrene	0.24	U	0.018	0.24

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	77		10 - 132
Nitrobenzene-d5	68		23 - 112
2-Fluorobiphenyl	53		19 - 107

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-13666	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813033.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	08/14/2011 0050			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acenaphthene	0.20	U	0.015	0.20
Acenaphthylene	0.20	U	0.015	0.20
Anthracene	0.20	U	0.15	0.20
Benzo[a]anthracene	0.20	U	0.015	0.20
Benzo[b]fluoranthene	0.20	U	0.016	0.20
Benzo[k]fluoranthene	0.20	U	0.055	0.20
Benzo[g,h,i]perylene	0.20	U	0.015	0.20
Benzo[a]pyrene	0.20	U	0.014	0.20
Bis(2-chloroethoxy)methane	1.0	U	0.059	1.0
Bis(2-chloroethyl)ether	0.20	U	0.025	0.20
Bis(2-ethylhexyl) phthalate	2.0	U	1.3	2.0
Butyl benzyl phthalate	1.0	U	0.14	1.0
Carbazole	0.20	U	0.016	0.20
Chrysene	0.20	U	0.014	0.20
2-Chloronaphthalene	0.20	U	0.015	0.20
2-Chlorophenol	1.0	U	0.17	1.0
2,4-Dichlorophenol	0.20	U	0.034	0.20
2,4-Dimethylphenol	1.0	U	0.086	1.0
2,4-Dinitrophenol	5.1	U	0.62	5.1
2,4-Dinitrotoluene	1.0	U	0.054	1.0
1,2-Dichlorobenzene	1.0	U	0.076	1.0
2-Methylnaphthalene	0.20	U	0.012	0.20
1,3-Dichlorobenzene	1.0	U	0.075	1.0
2-Methylphenol	1.0	U	0.087	1.0
1,4-Dichlorobenzene	1.0	U	0.075	1.0
2-Nitroaniline	5.1	U	0.36	5.1
2-Nitrophenol	1.0	U	0.17	1.0
bis (2-chloroisopropyl) ether	0.20	U	0.020	0.20
2,4,5-Trichlorophenol	1.0	U	0.15	1.0
2,4,6-Trichlorophenol	1.0	U	0.18	1.0
4-Nitroaniline	5.1	U	0.17	5.1
4-Nitrophenol	5.1	U	0.65	5.1
4-Chlorophenyl phenyl ether	1.0	U	0.051	1.0
Methylphenol, 3 & 4	1.0	U	0.091	1.0
4,6-Dinitro-2-methylphenol	5.1	U	0.22	5.1
4-Chloroaniline	1.0	U	0.089	1.0
4-Chloro-3-methylphenol	1.0	U	0.076	1.0
4-Bromophenyl phenyl ether	1.0	U	0.064	1.0
Dibenz(a,h)anthracene	0.20	U	0.016	0.20
Dibenzofuran	1.0	U	0.062	1.0
Di-n-butyl phthalate	0.46	J	0.13	1.0
Diethyl phthalate	0.20	J	0.15	1.0
Dimethyl phthalate	1.0	U	0.077	1.0
Di-n-octyl phthalate	1.0	U	0.21	1.0
3,3'-Dichlorobenzidine	1.0	U	0.11	1.0
3-Nitroaniline	5.1	U	0.32	5.1

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-13666	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813033.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	08/14/2011 0050			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Fluoranthene	0.20	U	0.016	0.20
1,2,4-Trichlorobenzene	1.0	U	0.072	1.0
Fluorene	0.20	U	0.022	0.20
Hexachlorobenzene	0.20	U	0.018	0.20
Hexachlorobutadiene	0.20	U	0.017	0.20
Hexachlorocyclopentadiene	1.0	U	0.052	1.0
Hexachloroethane	1.0	U	0.063	1.0
Indeno[1,2,3-cd]pyrene	0.20	U	0.020	0.20
Isophorone	1.0	U	0.065	1.0
Naphthalene	0.20	U	0.014	0.20
Nitrobenzene	2.0	U	0.085	2.0
N-Nitrosodiphenylamine	1.0	U	0.086	1.0
N-Nitrosodi-n-propylamine	0.20	U	0.031	0.20
Pyrene	0.20	U	0.016	0.20
Phenol	0.20	U	0.059	0.20
Phenanthrene	0.20	U	0.043	0.20
Pentachlorophenol	1.0	U	0.067	1.0
Benzyl alcohol	1.0	U	0.22	1.0
2,6-Dichlorophenol	1.0	U	0.20	1.0
Benzoic acid	5.1	U	0.57	5.1
1,2-Diphenylhydrazine(as Azobenzene)	1.0	U	0.067	1.0
1-Methylnaphthalene	0.20	U	0.014	0.20
2,6-Dinitrotoluene	1.0	U	0.081	1.0
N-Nitrosodimethylamine	1.0	U	0.074	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	70		16 - 122
2-Fluorobiphenyl	68		19 - 107
2-Fluorophenol	57		10 - 111
Nitrobenzene-d5	75		23 - 112
Phenol-d5	70		15 - 112
Terphenyl-d14	81		10 - 132

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Analysis Method:	8270C LL	Analysis Batch:	180-13666	Instrument ID:	731
Prep Method:	3520C	Prep Batch:	180-9967	Lab File ID:	V0813033.D
Dilution:	1.0			Initial Weight/Volume:	990 mL
Analysis Date:	08/14/2011 0050			Final Weight/Volume:	1.0 mL
Prep Date:	08/10/2011 0834			Injection Volume:	2 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	0.20	U	0.15	0.20
Benzo[a]anthracene	0.20	U	0.015	0.20
Benzo[b]fluoranthene	0.20	U	0.016	0.20
Benzo[g,h,i]perylene	0.20	U	0.015	0.20
Benzo[a]pyrene	0.20	U	0.014	0.20
Chrysene	0.20	U	0.014	0.20
Fluorene	0.20	U	0.022	0.20
Indeno[1,2,3-cd]pyrene	0.20	U	0.020	0.20
Phenanthrene	0.20	U	0.043	0.20
Pyrene	0.20	U	0.016	0.20

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	81		10 - 132
Nitrobenzene-d5	75		23 - 112
2-Fluorobiphenyl	68		19 - 107

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	480-27055	Instrument ID:	HP5890-23
Prep Method:	5030B		N/A	Initial Weight/Volume:	44 mL
Dilution:	1.0			Final Weight/Volume:	44 mL
Analysis Date:	08/11/2011 0354			Injection Volume:	
Prep Date:	08/11/2011 0354			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
GRO (C6-C10)	25	U	4.2	25

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	96		63 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-27383	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-27399	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/12/2011 1949			Injection Volume:	1 uL
Prep Date:	08/12/2011 1936			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	10	U	0.76	10
Propylene glycol	10	U	0.76	10
Triethylene Glycol	2.7	J B	1.6	10
2,2'-Oxybisethanol	1.8	J	0.51	10
2-Methoxyethanol	10	U	0.76	10
2-Ethoxyethanol	10	U	0.94	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	108		66 - 130

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	480-27055	Instrument ID:	HP5890-23
Prep Method:	5030B		N/A	Initial Weight/Volume:	44 mL
Dilution:	1.0			Final Weight/Volume:	44 mL
Analysis Date:	08/11/2011 0429			Injection Volume:	
Prep Date:	08/11/2011 0429			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
GRO (C6-C10)	17	J	4.2	25

Surrogate	%Rec	Qualifier	Acceptance Limits
a,a,a-Trifluorotoluene	96		63 - 128

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8015B Glycols -Direct Injection (GC/FID)

Analysis Method:	8015B	Analysis Batch:	480-27383	Instrument ID:	PE-01
Prep Method:	8015 Prep	Prep Batch:	480-27399	Initial Weight/Volume:	.5 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/12/2011 2002			Injection Volume:	1 uL
Prep Date:	08/12/2011 1936			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Ethylene glycol	10	U	0.76	10
Propylene glycol	10	U	0.76	10
Triethylene Glycol	10	U	1.6	10
2,2'-Oxybisethanol	0.58	J	0.51	10
2-Methoxyethanol	10	U	0.76	10
2-Ethoxyethanol	10	U	0.94	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,4-Butanediol	102		66 - 130

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

RSK-175 Dissolved Gases (GC)

Analysis Method:	RSK-175	Analysis Batch:	480-26879	Instrument ID:	HP5890-21
	N/A		N/A	Initial Weight/Volume:	1 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/10/2011 1621			Injection Volume:	1 uL
Prep Date:	N/A			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethane	1.5	U	0.49	1.5
Ethene	1.5	U	0.52	1.5
Methane	18		0.22	1.0
Propane	3.0	U	1.5	3.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

RSK-175 Dissolved Gases (GC)

Analysis Method:	RSK-175	Analysis Batch:	480-26879	Instrument ID:	HP5890-21
	N/A		N/A	Initial Weight/Volume:	1 mL
Dilution:	1.0			Final Weight/Volume:	1.0 mL
Analysis Date:	08/10/2011 1635			Injection Volume:	1 uL
Prep Date:	N/A			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethane	1.5	U	0.49	1.5
Ethene	1.5	U	0.52	1.5
Methane	1.0	U	0.22	1.0
Propane	3.0	U	1.5	3.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Analysis Method:	8011	Analysis Batch:	180-11141	Instrument ID:	GC12
Prep Method:	8011	Prep Batch:	180-10157	Initial Weight/Volume:	34.5 mL
Dilution:	1.0			Final Weight/Volume:	34.5 mL
Analysis Date:	08/15/2011 1505			Injection Volume:	1 uL
Prep Date:	08/10/2011 1126			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	0.020	U	0.0012	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	99		60 - 140

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Analysis Method:	8011	Analysis Batch:	180-11141	Instrument ID:	GC12
Prep Method:	8011	Prep Batch:	180-10157	Initial Weight/Volume:	35.3 mL
Dilution:	1.0			Final Weight/Volume:	35.3 mL
Analysis Date:	08/15/2011 1534			Injection Volume:	1 uL
Prep Date:	08/10/2011 1126			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	0.020	U	0.0012	0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
1,1,1,2-Tetrachloroethane	106		60 - 140

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

8015B Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B	Analysis Batch:	480-27105	Instrument ID:	HP5890-24
Prep Method:	3510C	Prep Batch:	480-27037	Initial Weight/Volume:	1025 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/12/2011 1420			Injection Volume:	1 uL
Prep Date:	08/10/2011 1816			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	0.49	U	0.30	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	77		44 - 154

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

8015B Diesel Range Organics (DRO) (GC)

Analysis Method:	8015B	Analysis Batch:	480-27105	Instrument ID:	HP5890-24
Prep Method:	3510C	Prep Batch:	480-27037	Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/12/2011 1453			Injection Volume:	1 uL
Prep Date:	08/10/2011 1816			Result Type:	PRIMARY

Analyte	Result (mg/L)	Qualifier	MDL	RL
Diesel Range Organics [C10-C28]	0.53	U	0.33	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
o-Terphenyl	71		44 - 154

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	180-10963	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-10417	Lab File ID:	X10816A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/16/2011 1459			Final Weight/Volume:	50 mL
Prep Date:	08/12/2011 0951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	1.0	U	0.036	1.0
Aluminum	3.8	J	2.6	30
Arsenic	2.2		0.29	1.0
Barium	210		0.098	10
Boron	24	B	0.28	5.0
Beryllium	1.0	U	0.037	1.0
Calcium	22000		2.8	100
Cadmium	1.0	U	0.11	1.0
Cobalt	0.051	J	0.026	0.50
Chromium	1.3	J	0.54	2.0
Copper	1.1	J	0.24	2.0
Iron	1100		6.1	50
Potassium	880		5.8	100
Magnesium	4800		1.2	100
Manganese	190	B	0.039	0.50
Sodium	18000		3.8	100
Nickel	1.0	U	0.17	1.0
Lead	0.11	J B	0.019	1.0
Molybdenum	0.49	J B	0.22	5.0
Antimony	0.019	J B	0.019	2.0
Selenium	0.76	J	0.42	5.0
Thallium	1.0	U	0.015	1.0
Vanadium	1.0	U	0.082	1.0
Zinc	2.6	J B	0.96	5.0

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	180-11743	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-10641	Lab File ID:	X10823A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/23/2011 2019			Final Weight/Volume:	50 mL
Prep Date:	08/15/2011 1131				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	1.0	U	0.036	1.0
Aluminum	30	U	2.6	30
Arsenic	0.77	J	0.29	1.0
Barium	210		0.098	10
Boron	25	B	0.28	5.0
Beryllium	1.0	U	0.037	1.0
Calcium	26000		2.8	100
Cadmium	1.0	U	0.11	1.0
Cobalt	0.089	J	0.026	0.50
Chromium	3.6		0.54	2.0
Copper	0.90	J	0.24	2.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1
Client Matrix: Water

Date Sampled: 08/04/2011 0930
Date Received: 08/05/2011 1000

6020 Metals (ICP/MS)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	27	J	6.1	50
Potassium	1100		5.8	100
Magnesium	5200		1.2	100
Manganese	200		0.039	0.50
Sodium	19000		3.8	100
Nickel	0.51	J	0.17	1.0
Lead	0.14	J	0.019	1.0
Molybdenum	1.3	J B	0.22	5.0
Antimony	0.65	J B	0.019	2.0
Selenium	0.55	J	0.42	5.0
Thallium	0.025	J	0.015	1.0
Vanadium	1.0	U	0.082	1.0
Zinc	2.8	J	0.96	5.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	180-11038	Instrument ID:	G
Prep Method:	7470A	Prep Batch:	180-10958	Lab File ID:	G10817B.PRN
Dilution:	1.0			Initial Weight/Volume:	50.0 mL
Analysis Date:	08/17/2011 1629			Final Weight/Volume:	50.0 mL
Prep Date:	08/17/2011 1138				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.038	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	180-11038	Instrument ID:	G
Prep Method:	7470A	Prep Batch:	180-10958	Lab File ID:	G10817B.PRN
Dilution:	1.0			Initial Weight/Volume:	50.0 mL
Analysis Date:	08/17/2011 1631			Final Weight/Volume:	50.0 mL
Prep Date:	08/17/2011 1138				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.038	0.20

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

6020 Metals (ICP/MS)

Analysis Method:	6020	Analysis Batch:	180-10963	Instrument ID:	X
Prep Method:	3010A	Prep Batch:	180-10417	Lab File ID:	X10816A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/16/2011 1517			Final Weight/Volume:	50 mL
Prep Date:	08/12/2011 0951				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	1.0	U	0.036	1.0
Aluminum	3.0	J	2.6	30
Arsenic	0.47	J	0.29	1.0
Barium	130		0.098	10
Boron	13	B	0.28	5.0
Beryllium	1.0	U	0.037	1.0
Calcium	27000		2.8	100
Cadmium	1.0	U	0.11	1.0
Cobalt	0.067	J	0.026	0.50
Chromium	2.0		0.54	2.0
Copper	0.64	J	0.24	2.0
Iron	50	U	6.1	50
Potassium	1500		5.8	100
Magnesium	7700		1.2	100
Manganese	0.42	J B	0.039	0.50
Sodium	7300		3.8	100
Nickel	1.0	U	0.17	1.0
Lead	0.027	J B	0.019	1.0
Molybdenum	0.55	J B	0.22	5.0
Antimony	0.78	J B	0.019	2.0
Selenium	0.84	J	0.42	5.0
Thallium	1.0	U	0.015	1.0
Vanadium	1.0	U	0.082	1.0
Zinc	4.2	J B	0.96	5.0

6020 Metals (ICP/MS)-Dissolved

Analysis Method:	6020	Analysis Batch:	180-11743	Instrument ID:	X
Prep Method:	3005A	Prep Batch:	180-10641	Lab File ID:	X10823A.xml
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/23/2011 2023			Final Weight/Volume:	50 mL
Prep Date:	08/15/2011 1131				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	1.0	U	0.036	1.0
Aluminum	30	U	2.6	30
Arsenic	1.0	U	0.29	1.0
Barium	130		0.098	10
Boron	14	B	0.28	5.0
Beryllium	1.0	U	0.037	1.0
Calcium	31000		2.8	100
Cadmium	1.0	U	0.11	1.0
Cobalt	0.11	J	0.026	0.50
Chromium	4.3		0.54	2.0
Copper	0.77	J	0.24	2.0

Client: URS Corporation

Job Number: 180-2644-1

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

6020 Metals (ICP/MS)-Dissolved

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	50	U	6.1	50
Potassium	1800		5.8	100
Magnesium	8200		1.2	100
Manganese	0.45	J	0.039	0.50
Sodium	8100		3.8	100
Nickel	0.44	J	0.17	1.0
Lead	0.092	J	0.019	1.0
Molybdenum	0.56	J B	0.22	5.0
Antimony	0.23	J B	0.019	2.0
Selenium	5.0	U	0.42	5.0
Thallium	0.021	J	0.015	1.0
Vanadium	1.0	U	0.082	1.0
Zinc	2.3	J	0.96	5.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	180-11038	Instrument ID:	G
Prep Method:	7470A	Prep Batch:	180-10958	Lab File ID:	G10817B.PRN
Dilution:	1.0			Initial Weight/Volume:	50.0 mL
Analysis Date:	08/17/2011 1633			Final Weight/Volume:	50.0 mL
Prep Date:	08/17/2011 1138				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.038	0.20

7470A Mercury (CVAA)-Dissolved

Analysis Method:	7470A	Analysis Batch:	180-11038	Instrument ID:	G
Prep Method:	7470A	Prep Batch:	180-10958	Lab File ID:	G10817B.PRN
Dilution:	1.0			Initial Weight/Volume:	50.0 mL
Analysis Date:	08/17/2011 1635			Final Weight/Volume:	50.0 mL
Prep Date:	08/17/2011 1138				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.038	0.20

General Chemistry

Client Sample ID: **TC-1**

Lab Sample ID: 180-2644-1

Client Matrix: Water

Date Sampled: 08/04/2011 0930

Date Received: 08/05/2011 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil and Grease)	6.3	U	mg/L	1.9	6.3	1.0	1664A
Analysis Batch: 180-10137	Analysis Date: 08/10/2011 1026						
Prep Batch: 180-10043	Prep Date: 08/09/2011 1507						
Chloride	2.1		mg/L	0.20	1.0	1.0	300.0
Analysis Batch: 180-9894	Analysis Date: 08/06/2011 1224						
Ammonia, distilled	0.15	B	mg/L	0.033	0.10	1.0	350.1
Analysis Batch: 180-10679	Analysis Date: 08/15/2011 1237						
Prep Batch: 180-10516	Prep Date: 08/13/2011 0913						
Acidity	5.0	U	mg/L	5.0	5.0	1.0	SM 2310B
Analysis Batch: 180-9905	Analysis Date: 08/08/2011 1550						
Alkalinity	120	B	mg/L	0.41	5.0	1.0	SM 2320B
Analysis Batch: 180-9937	Analysis Date: 08/08/2011 2057						
Total Dissolved Solids	220		mg/L	10	10	1.0	SM 2540C
Analysis Batch: 180-9706	Analysis Date: 08/05/2011 1524						
Total Suspended Solids	4.0	U	mg/L	2.0	4.0	1.0	SM 2540D
Analysis Batch: 180-9707	Analysis Date: 08/05/2011 1527						
pH	7.35	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 180-9633	Analysis Date: 08/05/2011 1346						
Methylene Blue Active Substances	0.050	U	mg/L	0.013	0.050	1.0	SM 5540C
Analysis Batch: 180-9731	Analysis Date: 08/06/2011 0925						

General Chemistry

Client Sample ID: **AW-2**

Lab Sample ID: 180-2644-2

Client Matrix: Water

Date Sampled: 08/04/2011 1320

Date Received: 08/05/2011 1000

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
HEM (Oil and Grease)	4.8	U	mg/L	1.4	4.8	1.0	1664A
Analysis Batch: 180-10137	Analysis Date: 08/10/2011 1026						
Prep Batch: 180-10043	Prep Date: 08/09/2011 1507						
Chloride	21		mg/L	0.20	1.0	1.0	300.0
Analysis Batch: 180-9894	Analysis Date: 08/06/2011 1238						
Ammonia, distilled	0.10	B	mg/L	0.033	0.10	1.0	350.1
Analysis Batch: 180-10679	Analysis Date: 08/15/2011 1238						
Prep Batch: 180-10516	Prep Date: 08/13/2011 0913						
Acidity	5.0	U	mg/L	5.0	5.0	1.0	SM 2310B
Analysis Batch: 180-9905	Analysis Date: 08/08/2011 1550						
Alkalinity	89	B	mg/L	0.41	5.0	1.0	SM 2320B
Analysis Batch: 180-9937	Analysis Date: 08/08/2011 2107						
Total Dissolved Solids	280		mg/L	10	10	1.0	SM 2540C
Analysis Batch: 180-9706	Analysis Date: 08/05/2011 1524						
Total Suspended Solids	4.0	U	mg/L	2.0	4.0	1.0	SM 2540D
Analysis Batch: 180-9707	Analysis Date: 08/05/2011 1527						
pH	6.82	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 180-9633	Analysis Date: 08/05/2011 1347						
Methylene Blue Active Substances	0.050	U	mg/L	0.013	0.050	1.0	SM 5540C
Analysis Batch: 180-9749	Analysis Date: 08/06/2011 1140						

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
180-2644-1	TC-1	90	80	97	86
180-2644-2	AW-2	90	77	98	88
MB 180-10937/3		92	77	102	88
LCS 180-10937/4		86	69	97	86
LCSD 180-10937/5		89	69	98	85

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	70-128
DCA = 1,2-Dichloroethane-d4 (Surr)	64-135
TOL = Toluene-d8 (Surr)	71-118
BFB = 4-Bromofluorobenzene (Surr)	70-118

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
180-2644-1	TC-1	46	54	68	53	55	77
180-2644-2	AW-2	57	70	75	68	70	81
MB 180-9967/1-A		92	91	83	79	76	90
LCS 180-9967/2-A		70	70	67	65	78	76
LCSD 180-9967/3-A		69	68	67	66	81	74

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-111
PHL = Phenol-d5	15-112
NBZ = Nitrobenzene-d5	23-112
FBP = 2-Fluorobiphenyl	19-107
TBP = 2,4,6-Tribromophenol	16-122
TPH = Terphenyl-d14	10-132

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCEA2 %Rec	TCEA1 %Rec
180-2644-1	TC-1	99	
180-2644-1	TC-1		92
180-2644-2	AW-2	106	
180-2644-2	AW-2		97
MB 180-10157/8-A		98	
MB 180-10157/8-A			95
LCS 180-10157/9-A		100	
LCS 180-10157/9-A			97
LCSD 180-10157/10-A		100	
LCSD 180-10157/10-A			96

Surrogate	Acceptance Limits
TCEA = 1,1,1,2-Tetrachloroethane	60-140

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8015B Glycols -Direct Injection (GC/FID)

Client Matrix: Water

Lab Sample ID	Client Sample ID	14BD1 %Rec
180-2644-1	TC-1	108
180-2644-2	AW-2	102
MB 480-27399/1-A		99
LCS 480-27399/2-A		108
480-8430-Q-3-B MS		109
480-8430-Q-3-C MSD		112

Surrogate	Acceptance Limits
14BD = 1,4-Butanediol	66-130

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT2 %Rec
180-2644-1	TC-1	96
180-2644-2	AW-2	96
MB 480-27055/3		97
LCS 480-27055/4		113
LCSD 480-27055/5		113

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	63-128

Client: URS Corporation

Job Number: 180-2644-1

Surrogate Recovery Report

8015B Diesel Range Organics (DRO) (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	OTPH1 %Rec
180-2644-1	TC-1	77
180-2644-2	AW-2	71
MB 480-27037/1-A		75
LCS 480-27037/2-A		75
LCSD 480-27037/3-A		80

Surrogate	Acceptance Limits
OTPH = o-Terphenyl	44-154