

SOIL SAMPLE RESULTS:**SDG 303978**

B-1-03
B-2-04
B-3-06
B-4-06
GP-12(II)-04
GP-7(II)-03
B-6-04
B-5-04.5
SDG 304173
B-6-23
GP-7(II)-19
GP-7(II)-19-Dup

SDG 304253

B-2-41
B-1-27
SDG 304421
B-3-33
B-5-27
SDG 304536
GP-12(II)-17
GP-12(II)-17-Dup
B-4-35

SOIL VAPOR SAMPLE RESULTS:**SDG 0806072**

GP-12-A-060308
GP-12-B-060308
GP-12-C-060308
GP-12-D-060308
GP-11-A-060308
GP-11-B-060308
GP-11-B-060308-DUP
GP-11-C-060308
GP-11-D-060308

SDG 0806099

GP-13-A-060408
GP-13-B-060408
GP-13-C-060408
GP-13-D-060408
GP-9-A-060408
GP-9-B-060408
GP-9-C-060408
GP-9-C-060408-DUP
GP-9-D-060408

GROUNDWATER SAMPLE RESULTS:**SDG 305672**

P58-060908
P58-060908D
P56-060908
P73-061008
P75-061008
P66-061008
P54-061008
P57-061108

SDG 305871

B1-061208
B2-061208
B2-061208D
B3-061208
B4-061208
B5-061308
B6-061308
SDG 308728
P54072508

Rand Avenue Data Review

Laboratory SDG: 305672

Reviewer: Tony Sedlacek

Date Reviewed: 7/22/2008

Guidance: National Functional Guidelines for Organic Data Review 1999.

Applicable Work Plan: Route 111/Rand Avenue Vicinity Investigation Work Plan.

Sample Identification #	Sample Identification #
P58-060908	P58-060908D
P56-060908	P73-061008
P75-061008	P75-061008EB
P66-061008	P54-061008
P57-061108	TB061108

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

No, although not indicated in the laboratory case narrative, VOCs were detected in the trip blank, equipment blank and method blank. VOC LCS, surrogate and MS/MSD recoveries and MS/MSD RPDs were outside evaluation criteria. Samples were diluted due to high levels of target analytes. These issues are addressed further in the appropriate sections below.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
P75-061008EB	VOCs	Benzene	12.5	µg/L
P75-061008EB	VOCs	n-Butylbenzene	1.17	µg/L
P75-061008EB	VOCs	Ethylbenzene	3.79	µg/L
P75-061008EB	VOCs	Isopropylbenzene	1.1	µg/L
P75-061008EB	VOCs	Methylene chloride	1.64	µg/L
P75-061008EB	VOCs	Naphthalene	4.82	µg/L
P75-061008EB	VOCs	n-Propylbenzene	2.04	µg/L
P75-061008EB	VOCs	1,2,4-Trimethylbenzene	17	µg/L
P75-061008EB	VOCs	1,3,5-Trimethylbenzene	4.54	µg/L
P75-061008EB	VOCs	<i>o</i> -Xylene	1.96	µg/L
P75-061008EB	VOCs	<i>m,p</i> -Xylene	10.9	µg/L
TB061108	VOCs	Methylene chloride	2.39	µg/L
510737-1-BLK	VOCs	Methylene chloride	7.25	µg/L
511007-1-BLK	VOCs	Methylene chloride	2.92	µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
P54-061008	VOCs	Benzene	6.29	U
P54-061008	VOCs	Ethylbenzene	-	U
P54-061008	VOCs	Methylene chloride	-	U
P75-061008	VOCs	1,2,4-Trimethylbenzene	38.2	U
P54-061008	VOCs	1,2,4-Trimethylbenzene	-	U
P75-061008	VOCs	1,3,5-Trimethylbenzene	10.8	U
P66-061008	VOCs	1,3,5-Trimethylbenzene	5.69	U
P75-061008	VOCs	<i>o</i> -Xylene	-	U
P75-061008	VOCs	<i>m,p</i> -Xylene	34.5	U
P66-061008	VOCs	<i>m,p</i> -Xylene	-	U

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
510949-BKS	VOCs	Dichlorodifluoromethane	131	N/A	70-130

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
P58-060908	VOCs	Dichlorodifluoromethane	J
P58-060908D	VOCs	Dichlorodifluoromethane	J
P57-061108	VOCs	Dichlorodifluoromethane	J

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

No

Field ID	Parameter	Surrogate	Recovery	Criteria
P58-060908	VOCs	1,2-Dichloroethane-D4	61	80-120
P58-060908D	VOCs	1,2-Dichloroethane-D4	58	80-120

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification. The compound benzene was reported from the diluted analysis for samples P58-060908 and P58-060908D and all diluted analysis surrogate recoveries were within evaluation criteria; therefore, benzene was not qualified.

Field ID	Parameter	Analyte	Qualification
P58-060908	VOCs	All VOC detects/nondetects	J/UJ
P58-060908D	VOCs	All VOC detects/nondetects	J/UJ

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, samples P66-061008 and P54-061008 were spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
P54-061008	VOCs	Dichlorodifluoromethane	131/121	8	70-130/23
P54-061008	VOCs	1,1-Dichloropropene	68/70	3	75-125/20
P54-061008	VOCs	Methylene chloride	73/73	0	75-125/35
P66-061008	VOCs	Benzene	124/190	42	66-142/21
P66-061008	VOCs	Bromomethane	61/74	19	70-130/20
P66-061008	VOCs	Methyl tert-butyl ether	252/276	9	75-125/20
P66-061008	VOCs	Chloroethane	67/84	23	70-130/20
P66-061008	VOCs	2,2-Dichloropropane	74/90	20	75-125/20
P66-061008	VOCs	Ethylbenzene	108/156	36	75-125/20
P66-061008	VOCs	Isopropylbenzene	85/129	41	75-125/20
P66-061008	VOCs	Naphthalene	89/123	32	75-125/20
P66-061008	VOCs	Vinyl chloride	73/85	15	75-125/20

Analytical data that required qualification based on MS/MSD data are included in the table below. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
P58-060908	P58-060908D

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run *was not* reported:

Field ID	Parameter	Dilution Factor
P58-060908	VOCs	10000
P58-060908D	VOCs	10000
P56-060908	VOCs	5
P73-061008	VOCs	100
P75-061008	VOCs	50
P66-061008	VOCs	10
P57-061108	VOCs	10000

11.0 Additional Qualifications

Were additional qualifications applied?

No

Analytical Report 305672

for

URS Corporation-St. Louis

Project Manager: Wendy Pennington

900 S. Central Avenue

Route 111 & Rand Ave Vicinity / 21561979

24-JUN-08



E84880

4143 Greenbriar Dr., Stafford, TX 77477 Ph:(281) 240-4200 Fax:(281) 240-4280

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Norcross(Atlanta), GA E87429

South Carolina certification numbers:

Norcross(Atlanta), GA 98015

North Carolina certification numbers:

Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



24-JUN-08

Project Manager: **Wendy Pennington**
URS Corporation-St. Louis
1001 Highlands Plaza Drive West, Suite 300
St. Louis, MO 63110

Reference: XENCO Report No: **305672**
900 S. Central Avenue
Project Address: Roxana, Illinois 62084

Wendy Pennington:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 305672. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 305672 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro

Managing Director, Texas

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Sample Cross Reference 305672



URS Corporation-St. Louis, St. Louis, MO
900 S. Central Avenue

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
P58-060908	W	Jun-09-08 14:25		305672-001
P58-060908D	W	Jun-09-08 14:25		305672-002
P56-060908	W	Jun-09-08 16:15		305672-003
P73-061008	W	Jun-10-08 09:43		305672-004
P75-061008	W	Jun-10-08 10:40		305672-005
P75-061008EB	W	Jun-10-08 11:25		305672-006
P66-061008	W	Jun-10-08 13:40		305672-007
P54-061008	W	Jun-10-08 16:12		305672-008
P57-061108	W	Jun-11-08 13:10		305672-009
TB061108	W	Jun-11-08 00:00		305672-010



Certificate of Analysis Summary 305672

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305672-001	305672-002	305672-003	305672-004			
	Field Id:	P58-060908	P58-060908D	P56-060908	P73-061008			
Depth:								
Matrix:	WATER	WATER	WATER	WATER				
Sampled:	Jun-09-08 14:25	Jun-09-08 14:25	Jun-09-08 16:15	Jun-10-08 09:43				
VOAs by SW-846 8260B	Extracted:	Jun-18-08 16:16	Jun-18-08 16:18	Jun-17-08 16:49	Jun-18-08 13:05			
	Analyzed:	Jun-18-08 18:38	Jun-18-08 19:00	Jun-17-08 17:33	Jun-18-08 14:03			
	Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL			
Acetone	U	1000	U	1000	U	100	U	100
Benzene	349000 D	50000	348000 D	50000	383 D	25.0	4000 D	500
Bromobenzene	U	50.0	U	50.0	U	5.00	U	5.00
Bromochloromethane	U	50.0	U	50.0	U	5.00	U	5.00
Bromodichloromethane	U	50.0	U	50.0	U	5.00	U	5.00
Bromoform	U	50.0	U	50.0	U	5.00	U	5.00
Bromomethane	U	50.0	U	50.0	U	5.00	U	5.00
2-Butanone	U	500	U	500	U	50.0	U	50.0
MTBE	U	50.0	U	50.0	U	5.00	U	5.00
n-Butylbenzene	18.9	50.0	21.2	50.0	9.40	5.00	25.5	5.00
Sec-Butylbenzene	U	50.0	U	50.0	U	5.00	19.9	5.00
tert-Butylbenzene	37.1	50.0	42.5	50.0	U	5.00	47.8	5.00
Carbon Disulfide	U	500	U	500	U	50.0	U	50.0
Carbon Tetrachloride	U	50.0	U	50.0	U	5.00	U	5.00
Chlorobenzene	U	50.0	U	50.0	U	5.00	3.12	5.00
Chloroethane	U	100	U	100	U	10.0	U	10.0
Chloroform	U	50.0	U	50.0	U	5.00	U	5.00
Chloromethane	U	100	U	100	U	10.0	U	10.0
2-Chlorotoluene	U	50.0	U	50.0	U	5.00	U	5.00
4-Chlorotoluene	U	50.0	U	50.0	U	5.00	U	5.00
p-Cymene (p-Isopropyltoluene)	U	50.0	11.8	50.0	4.15	5.00	12.4	5.00
Dibromochloromethane	U	50.0	U	50.0	U	5.00	U	5.00
1,2-Dibromo-3-Chloropropane	U	50.0	U	50.0	U	5.00	U	5.00
1,2-Dibromoethane	U	50.0	U	50.0	U	5.00	U	5.00
Dibromomethane	U	50.0	U	50.0	U	5.00	U	5.00
1,2-Dichlorobenzene	U	50.0	U	50.0	U	5.00	U	5.00
1,3-Dichlorobenzene	U	50.0	U	50.0	U	5.00	U	5.00
1,4-Dichlorobenzene	U	50.0	U	50.0	U	5.00	U	5.00
Dichlorodifluoromethane	115	50.0	122	50.0	U	5.00	U	5.00
1,1-Dichloroethane	U	50.0	U	50.0	U	5.00	U	5.00
1,2-Dichloroethane	U	50.0	U	50.0	U	5.00	U	5.00
1,1-Dichloroethene	U	50.0	U	50.0	U	5.00	U	5.00
cis-1,2-Dichloroethene	U	50.0	U	50.0	U	5.00	U	5.00
trans-1,2-dichloroethene	U	50.0	U	50.0	U	5.00	U	5.00

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Carlos A. Castro, Ph.D., MBA

Managing Director, Texas



Certificate of Analysis Summary 305672

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route I11 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

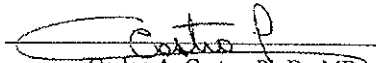
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305672-001	305672-002	305672-003	305672-004
	Field Id:	P58-060908	P58-060908D	P56-060908	P73-061008
Depth:					
Matrix:	WATER	WATER	WATER	WATER	
Sampled:	Jun-09-08 14:25	Jun-09-08 14:25	Jun-09-08 16:15	Jun-10-08 09:43	
VOAs by SW-846 8260B	Extracted:	Jun-18-08 16:16	Jun-18-08 16:18	Jun-17-08 16:49	Jun-18-08 13:05
	Analyzed:	Jun-18-08 18:38	Jun-18-08 19:00	Jun-17-08 17:33	Jun-18-08 14:03
Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL	
1,2-Dichloropropane	U	U	U	U	
1,3-Dichloropropane	U	U	U	U	
2,2-Dichloropropane	U	U	U	U	
1,1-Dichloropropene	U	U	U	U	
cis-1,3-Dichloropropene	U	U	U	U	
trans-1,3-dichloropropene	U	U	U	U	
Ethylbenzene	870 "J" 50.0	914 "J" 50.0	1670 D 100	890 D 50.0	
Hexachlorobutadiene	U	U	U	U	
2-Hexanone	U	U	U	U	
isopropylbenzene	76.6 "J" 50.0	86.8 "J" 50.0	61.1 5.00	49.7 5.00	
Methylene Chloride	U	U	U	U	
4-Methyl-2-Pentanone	U	U	U	U	
Naphthalene	179 "J" 100	202 "J" 100	180 D 50.0	145 10.0	
Propylbenzene	109 "J" 50.0	124 "J" 50.0	86.9 5.00	80.9 5.00	
Ayrene	U	U	U	U	
1,1,1,2-Tetrachloroethane	U	U	U	U	
1,1,2,2-Tetrachloroethane	U	U	U	U	
Tetrachloroethylene	U	U	U	U	
Toluene	148 "J" 50.0	155 "J" 50.0	490 D 25.0	1370 D 50.0	
1,2,3-Trichlorobenzene	U	U	U	U	
1,2,4-Trichlorobenzene	U	U	U	U	
1,1,1-Trichloroethane	U	U	U	U	
1,1,2-Trichloroethane	U	U	U	U	
Trichloroethene	U	U	U	U	
Trichlorofluoromethane	U	U	U	U	
1,2,3-Trichloropropane	U	U	U	U	
1,2,4-Trimethylbenzene	734 "J" 50.0	820 "J" 50.0	388 D 25.0	596 D 50.0	
1,3,5-Trimethylbenzene	116 "J" 50.0	129 "J" 50.0	93.7 5.00	137 5.00	
o-Xylene	157 "J" 50.0	168 "J" 50.0	233 D 25.0	520 D 50.0	
m,p-Xylenes	769 "J" 100	805 "J" 100	2220 D 200	1760 D 100	
Vinyl Chloride	U	U	U	U	

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 Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Certificate of Analysis Summary 305672

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305672-005	305672-006	305672-007	305672-008		
	Field Id:	P75-061008	P75-061008EB	P66-061008	P54-061008		
Depth:							
Matrix:	WATER	WATER	WATER	WATER			
Sampled:	Jun-10-08 10:40	Jun-10-08 11:25	Jun-10-08 13:40	Jun-10-08 16:12			
VOAs by SW-846 8260B	Extracted:	Jun-18-08 14:34	Jun-16-08 13:20	Jun-18-08 11:03	Jun-16-08 12:27		
	Analyzed:	Jun-18-08 15:08	Jun-16-08 14:14	Jun-18-08 12:37	Jun-16-08 12:47		
Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL			
Acetone	U	200	U	100	U	100	
Benzene	3620 D	250	12.5	5.00	659 D	50.0	NO. 629 U 5.00 6.29
Bromobenzene	U	10.0	U	5.00	U	5.00	
Bromochloromethane	U	10.0	U	5.00	U	5.00	
Bromodichloromethane	U	10.0	U	5.00	U	5.00	
Bromoform	U	10.0	U	5.00	U	5.00	
Bromomethane	U	10.0	U	5.00	U	5.00	
2-Butanone	U	100	U	50.0	U	50.0	
MTBE	125	10.0	U	5.00	U	5.00	
n-Butylbenzene	26.8	10.0	1.17 J	5.00	17.5	5.00	
Sec-Butylbenzene	24.1	10.0	U	5.00	19.6	5.00	
tert-Butylbenzene	4.96 J	10.0	U	5.00	5.96	5.00	
Carbon Disulfide	U	100	U	50.0	U	50.0	
Carbon Tetrachloride	U	10.0	U	5.00	U	5.00	
Chlorobenzene	U	10.0	U	5.00	U	5.00	
Chloroethane	U	20.0	U	10.0	U	10.0	
Chloroform	U	10.0	U	5.00	U	5.00	
Chloromethane	U	20.0	U	10.0	U	10.0	
2-Chlorotoluene	U	10.0	U	5.00	U	5.00	
4-Chlorotoluene	U	10.0	U	5.00	U	5.00	
p-Cymene (p-Isopropyltoluene)	3.98 J	10.0	U	5.00	4.45 J	5.00	
Dibromochloromethane	U	10.0	U	5.00	U	5.00	
1,2-Dibromo-3-Chloropropane	U	10.0	U	5.00	U	5.00	
1,2-Dibromoethane	U	10.0	U	5.00	U	5.00	
Dibromomethane	U	10.0	U	5.00	U	5.00	
1,2-Dichlorobenzene	U	10.0	U	5.00	U	5.00	
1,3-Dichlorobenzene	U	10.0	U	5.00	U	5.00	
1,4-Dichlorobenzene	U	10.0	U	5.00	U	5.00	
Dichlorodifluoromethane	U	10.0	U	5.00	U	5.00	
1,1-Dichloroethane	U	10.0	U	5.00	U	5.00	
1,2-Dichloroethane	U	10.0	U	5.00	U	5.00	
1,1-Dichloroethene	U	10.0	U	5.00	U	5.00	
cis-1,2-Dichloroethene	U	10.0	U	5.00	U	5.00	
trans-1,2-dichloroethene	U	10.0	U	5.00	U	5.00	

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Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Certificate of Analysis Summary 305672

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305672-005	305672-006	305672-007	305672-008
	Field Id:	P75-061008	P75-061008EB	P66-061008	P54-061008
Depth:					
Matrix:	WATER	WATER	WATER	WATER	
Sampled:	Jun-10-08 10:40	Jun-10-08 11:25	Jun-10-08 13:40	Jun-10-08 16:12	
VOAs by SW-846 8260B	Extracted:	Jun-18-08 14:34	Jun-16-08 13:20	Jun-18-08 11:03	Jun-16-08 12:27
	Analyzed:	Jun-18-08 15:08	Jun-16-08 14:14	Jun-18-08 12:37	Jun-16-08 12:47
	Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL
1,2-Dichloropropane		U 10.0	U 5.00	U 5.00	U 5.00
1,3-Dichloropropane		U 10.0	U 5.00	U 5.00	U 5.00
2,2-Dichloropropane		U 10.0	U 5.00	U 5.00	U 5.00
1,1-Dichloropropene		U 10.0	U 5.00	U 5.00	U 5.00
cis-1,3-Dichloropropene		U 10.0	U 5.00	U 5.00	U 5.00
trans-1,3-dichloropropene		U 10.0	U 5.00	U 5.00	U 5.00
Ethylbenzene	83.6	10.0	3.79 J 5.00	288 D 50.0	ND 0.0-0.01 ug/L 5.00
Hexachlorobutadiene		U 10.0	U 5.00	U 5.00	U 5.00
2-Hexanone		U 100	U 50.0	U 50.0	U 50.0
isopropylbenzene	126	10.0	1.10 J 5.00	91.5 5.00	U 5.00
Methylene Chloride		U 10.0	1.64 JB 5.00	U 5.00	ND 0.0-0.07 ug/L 5.00
4-Methyl-2-Pentanone		U 100	U 50.0	U 50.0	U 50.0
Naphthalene	162	20.0	4.82 J 10.0	75.5 10.0	U 10.0
-Propylbenzene	60.7	10.0	2.04 J 5.00	114 5.00	U 5.00
yrene		U 10.0	U 5.00	U 5.00	U 5.00
1,1,1,2-Tetrachloroethane		U 10.0	U 5.00	U 5.00	U 5.00
1,1,2,2-Tetrachloroethane		U 10.0	U 5.00	U 5.00	U 5.00
Tetrachloroethylene		U 10.0	U 5.00	U 5.00	U 5.00
Toluene	46.4	10.0	U 5.00	1.67 J 5.00	U 5.00
1,2,3-Trichlorobenzene		U 10.0	U 5.00	U 5.00	U 5.00
1,2,4-Trichlorobenzene		U 10.0	U 5.00	U 5.00	U 5.00
1,1,1-Trichloroethane		U 10.0	U 5.00	U 5.00	U 5.00
1,1,2-Trichloroethane		U 10.0	U 5.00	U 5.00	U 5.00
Trichloroethene		U 10.0	U 5.00	U 5.00	U 5.00
Trichlorofluoromethane		U 10.0	U 5.00	U 5.00	U 5.00
1,2,3-Trichloropropane		U 10.0	U 5.00	U 5.00	U 5.00
1,2,4-Trimethylbenzene		ND 0.0-38.2 ug/L 10.0	17.0 5.00	90.3 5.00	ND 0.0-24 J ug/L 5.00
1,3,5-Trimethylbenzene		ND 0.0-10.8 ug/L 10.0	4.54 J 5.00	ND 0.0-5.09 ug/L 5.00	U 5.00
o-Xylene		ND 0.0-6.74 ug/L 10.0	1.96 J 5.00	U 5.00	U 5.00
m,p-Xylenes		ND 0.0-34.5 ug/L 20.0	10.9 10.0	ND 0.0-3.87 ug/L 10.0	U 10.0
Vinyl Chloride		U 4.00	U 2.00	U 2.00	U 2.00

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 Managing Director, Texas



Certificate of Analysis Summary 305672
URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	305672-009	305672-010			
	<i>Field Id:</i>	PS7-061108	TB061108			
	<i>Depth:</i>					
	<i>Matrix:</i>	WATER	WATER			
	<i>Sampled:</i>	Jun-11-08 13:10	Jun-11-08 00:00			
VOAs by SW-846 8260B	<i>Extracted:</i>	Jun-18-08 16:14	Jun-16-08 13:22			
	<i>Analyzed:</i>	Jun-18-08 18:16	Jun-16-08 14:35			
	<i>Units/RL:</i>	ug/L	RL	ug/L	RL	
Acetone		U 1000	U 100			
Benzene		257000 D 50000	U 5.00			
Bromobenzene		U 50.0	U 5.00			
Bromochloromethane		U 50.0	U 5.00			
Bromodichloromethane		U 50.0	U 5.00			
Bromoform		U 50.0	U 5.00			
Bromomethane		U 50.0	U 5.00			
2-Butanone		U 500	U 50.0			
MTBE		U 50.0	U 5.00			
n-Butylbenzene		U 50.0	U 5.00			
Sec-Butylbenzene		U 50.0	U 5.00			
tert-Butylbenzene		U 50.0	U 5.00			
Carbon Disulfide		U 500	U 50.0			
Carbon Tetrachloride		U 50.0	U 5.00			
Chlorobenzene		U 50.0	U 5.00			
Chloroethane		U 100	U 10.0			
Chloroform		U 50.0	U 5.00			
Chloromethane		U 100	U 10.0			
2-Chlorotoluene		U 50.0	U 5.00			
4-Chlorotoluene		U 50.0	U 5.00			
p-Cymene (p-Isopropyltoluene)		U 50.0	U 5.00			
Dibromochloromethane		U 50.0	U 5.00			
1,2-Dibromo-3-Chloropropane		U 50.0	U 5.00			
1,2-Dibromoethane		U 50.0	U 5.00			
Dibromomethane		U 50.0	U 5.00			
1,2-Dichlorobenzene		U 50.0	U 5.00			
1,3-Dichlorobenzene		U 50.0	U 5.00			
1,4-Dichlorobenzene		U 50.0	U 5.00			
Dichlorodifluoromethane		127 "3" 50.0	U 5.00			
1,1-Dichloroethane		U 50.0	U 5.00			
1,2-Dichloroethane		U 50.0	U 5.00			
1,1-Dichloroethene		U 50.0	U 5.00			
cis-1,2-Dichloroethene		U 50.0	U 5.00			
trans-1,2-dichloroethene		U 50.0	U 5.00			

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Managing Director, Texas



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Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-12-08 09:50 am

Contact: Wendy Pennington

Report Date: 24-JUN-08

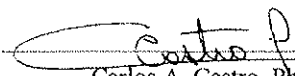
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	305672-009	305672-010			
	<i>Field Id:</i>	P57-061108	TB061108			
	<i>Depth:</i>					
	<i>Matrix:</i>	WATER	WATER			
	<i>Sampled:</i>	Jun-11-08 13:10	Jun-11-08 00:00			
VOAs by SW-846 8260B	<i>Extracted:</i>	Jun-18-08 16:14	Jun-16-08 13:22			
	<i>Analyzed:</i>	Jun-18-08 18:16	Jun-16-08 14:35			
	<i>Units/RL:</i>	ug/L	RL	ug/L	RL	
1,2-Dichloropropane		U	50.0	U	5.00	
1,3-Dichloropropane		U	50.0	U	5.00	
2,2-Dichloropropane		U	50.0	U	5.00	
1,1-Dichloropropene		U	50.0	U	5.00	
cis-1,3-Dichloropropene		U	50.0	U	5.00	
trans-1,3-dichloropropene		U	50.0	U	5.00	
Ethylbenzene		624	50.0	U	5.00	
Hexachlorobutadiene		U	50.0	U	5.00	
2-Hexanone		U	500	U	50.0	
isopropylbenzene		18.3 J	50.0	U	5.00	
Methylene Chloride		U	50.0	2.39 JB	5.00	
4-Methyl-2-Pentanone		U	500	U	50.0	
Naphthalene		65.0 J	100	U	10.0	
opylbenzene		17.1 J	50.0	U	5.00	
ylene		U	50.0	U	5.00	
1,1,1,2-Tetrachloroethane		U	50.0	U	5.00	
1,1,2,2-Tetrachloroethane		U	50.0	U	5.00	
Tetrachloroethylene		U	50.0	U	5.00	
Toluene		133	50.0	U	5.00	
1,2,3-Trichlorobenzene		U	50.0	U	5.00	
1,2,4-Trichlorobenzene		U	50.0	U	5.00	
1,1,1-Trichloroethane		U	50.0	U	5.00	
1,1,2-Trichloroethane		U	50.0	U	5.00	
Trichloroethene		U	50.0	U	5.00	
Trichlorofluoromethane		U	50.0	U	5.00	
1,2,3-Trichloropropane		U	50.0	U	5.00	
1,2,4-Trimethylbenzene		106	50.0	U	5.00	
1,3,5-Trimethylbenzene		28.5 J	50.0	U	5.00	
o-Xylene		117	50.0	U	5.00	
m,p-Xylenes		760	100	U	10.0	
Vinyl Chloride		U	20.0	U	2.00	

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 Managing Director, Texas



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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 A Small Business and Minority Status Company that delivers SERVICE and QUALITY
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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	Phone	Fax
9701 Harry Hines Blvd , Dallas, TX 75220	(281) 589-0692	(281) 589-0695
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(214) 902 0300	(214) 351-9139
2505 N. Falkenburg Rd., Tampa, FL 33619	(210) 509-3334	(210) 509-3335
5757 NW 158th St, Miami Lakes, FL 33014	(813) 620-2000	(813) 620-2033
6017 Financial Dr., Norcross, GA 30071	(305) 823-8500	(305) 823-8555
	(770) 449-8800	(770) 449-5477

Shell Oil Products Chain Of Custody Record

LAB (L.L.) (ON)
 4143 Greenbriar Dr., Stafford, TX 77477
 PH: 281-240-6200 FAX: 281-240-6280

XENCO ()
 CALSCIENCE ()
 TEST AMERICA ()
 SPL ()
 OTHER ()

Please Check Appropriate Box:

ENV. SERVICES MOTIVA RETAIL SHELL RETAIL
 MOTIVA SO&CM CONSULTANT LUBES
 SHELL PIPELINE OTHER ()

Print Bill To Contact Name: KEVIN DYER
 INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
 PO # SAP #
 3 4 0 0 6 1

CHECK IF NO INCIDENT # APPLIES
 DATE: 6/11/08
 PAGE: 1 of 2

CONSULTANT COMPANY: URS CORPORATION - FIELD OFFICE
 ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300
 CITY: ST. LOUIS, MISSOURI 63110
 TELEPHONE: OFF: 314-743-4166 FAX: OFF: 314-743-4166
 CELL: 314-482-8928
 TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (10 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND
 DELIVERABLES: LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 OTHER (SPECIFY) EDD
 TEMPERATURE ON RECEIPT C° Cooler #1 2-5°C Cooler #2 Cooler #3
 SPECIAL INSTRUCTIONS OR NOTES:
 Please include "J" values on Level 2 Reports SHELL CONTRACT RATE APPLIES

SOPUS SITE ADDRESS (Street, City and State): 900 S. CENTRAL AVENUE; ROXANA, ILLINOIS 62084
 CONSULTANT PROJECT CONTACT (Report to): WENDY PENNINGTON
 CONSULTANT PROJECT NAME / NO.: Route 111 & Rand Ave Vicinity / 21561979
 SAMPLER NAME(S) (PID#): W. Pennington & R. Wernig
 LAB USE ONLY: 305672-14

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	VOC 8260B	PID (ppm)	Container PID Readings or Laboratory Notes
	DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER				
P58-060908	6/9/08	1425	WATER	X					3	X	4968	
P58-060908D		1425	WATER	X					3	X	9968-80.3 WMP	
P50-060908		1015	WATER	X					3	X	80.3	
P73-061008	6/10/08	0943	WATER	X					3	X	216	
P75-061008		1040	WATER	X					3	X	214	
P75-061008EB		1125	WATER	X					3	X	-	
P66-061008		1340	WATER	X					3	X	26.1	
P54-061008MS		1340 ¹²	WATER	X					3	X	-	
P54-061008MSD		1340 ¹²	WATER	X					3	X	-	
P54-061008		1612	WATER	X					3	X	0.2	

Relinquished by (Signature): <i>Wendy Pennington</i>	Received by (Signature):	Date: 6/11/08	Time: 1800
Relinquished by (Signature): <i>FED EX</i>	Received by (Signature): <i>John L. Sney</i>	Date: 6/12/08	Time: 0950

Shell Oil Products Chain Of Custody Record

LAB (LOCATION)
 4143 Greenbriar Dr., Stafford, TX 77477
 PH: 281.240.4200 FAX: 281.240.4280

XENCO ()
 CALSCIENCE ()
 TEST AMERICA ()
 SPL ()
 OTHER ()

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CM	<input type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: KEVIN DYER

INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0

PO #: _____ **SAP #:** _____

DATE: 6/11/08 **PAGE:** 2 of 2

3 4 0 0 6 1

CONSULTANT COMPANY: URS CORPORATION

ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300

CITY: ST. LOUIS, MISSOURI 63110

TELEPHONE: OFF: 314-743-4156 FAX: 314-743-4186
 CELL: 314-452-8929

E-MAIL: wendy.pennington@urscorp.com

TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (10 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND

DELIVERABLES: LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 OTHER (SPECIFY) EDD

TEMPERATURE ON RECEIPT C* Cooler #1: _____ **Cooler #2:** _____ **Cooler #3:** _____

SPECIAL INSTRUCTIONS OR NOTES:
 Please include "J" values on Level 2 Reports SHELL CONTRACT RATE APPLIES

SOPUS SITE ADDRESS (Street, City and State): 500 S. CENTRAL AVENUE; ROXANA, ILLINOIS 62084

CONSULTANT PROJECT CONTACT (Report to): WENDY PENNINGTON

CONSULTANT PROJECT NAME / NO.: Route 111 & Rand Ave Vicinity / 21561979

SAMPLER NAME(S) (Prep): W. Pennington & R. Wernig

LAB USE ONLY: 305672-4

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	VOC 8260B	PID (ppm)	Container PID Readings or Laboratory Notes
			DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER				
		P57-061108	6/11/08	1310		WATER	X					3	X	1946
	TBC061108	↓			WATER						1	X		
					WATER									
					WATER									
					WATER									
					WATER									
					WATER									
					WATER									

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		6/12/08	0950

FED EX



Prelogin/Nonconformance Report- Sample Log-In

Client: URS
Date/ Time: 6/12/8
Lab ID #: 305672-1H
Initials: [Signature]

Sample Receipt Checklist

#1	Temperature of container/ cooler?	Yes	No	N/A	2-5 °C
#2	Shipping container in good condition?	Yes	No	None	
#3	Samples received on ice?	Yes	No	N/A	Blue/Water
#4	Custody Seals intact on shipping container/ cooler?	Yes	No	N/A	
#5	Custody Seals intact on sample bottles/ container?	Yes	No	N/A	
#6	Chain of Custody present?	Yes	No		
#7	Sample instructions complete of Chain of Custody?	Yes	No		
#8	Any missing/extra samples?	Yes	No		
#9	Chain of Custody signed when relinquished/ received?	Yes	No		
#10	Chain of Custody agrees with sample label(s)?	Yes	No		
#11	Container label(s) legible and intact?	Yes	No		
	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#13	Samples in proper container/ bottle?	Yes	No		
#14	Samples properly preserved?	Yes	No	N/A	
#15	Sample container intact?	Yes	No		
#16	Sufficient sample amount for indicated test(s)?	Yes	No		
#17	All samples received within sufficient hold time?	Yes	No		
#18	Subcontract of sample(s)?	Yes	No	N/A	
#19	VOC samples have zero headspace?	Yes	No	N/A	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Rand Avenue Data Review

Laboratory SDG: 305871

Reviewer: Tony Sedlacek

Date Reviewed: 7/22/2008

Guidance: National Functional Guidelines for Organic Data Review 1999.

Applicable Work Plan: Route 111/Rand Avenue Vicinity Investigation Work Plan.

Sample Identification #	Sample Identification #
B1-061208	B2-061208
B2-061208D	B3-061208
B4-061208	B5-061308
B6-061308	B6-061308EB
TB061308	

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

No, although not indicated in the laboratory case narrative, VOCs were detected in the trip blank, equipment blank and method blank. VOC MS/MSD recoveries and MS/MSD RPDs were outside evaluation criteria. Samples were diluted due to high levels of target analytes. In addition, samples were evaluated and qualified using professional judgment. These issues are addressed further in the appropriate sections below.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

Yes

Blank ID	Parameter	Analyte	Concentration	Units
511007-1-BLK	VOCs	Methylene chloride	2.92	µg/L
511068-1-BLK	VOCs	Methylene chloride	2.48	µg/L
511068-1-BLK	VOCs	Toluene	1.46	µg/L
B6-061308EB	VOCs	Methylene chloride	1.67	µg/L
TB061308	VOCs	Methylene chloride	5.77	µg/L

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
B1-061208	VOCs	Methylene chloride	-	U
B4-061208	VOCs	Methylene chloride	-	U
B5-061308	VOCs	Methylene chloride	5.18	U
B6-061308	VOCs	Methylene chloride	-	U

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

Yes

LCS ID	Parameter	Analyte	LCS/LCSD Recovery	RPD	LCS/LCSD/RPD Criteria
N/A					

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, samples B1-061208 and B3-061208 were spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
B1-061208	VOCs	Bromomethane	63/46	31	70-130/20
B1-061208	VOCs	2-Butanone	74/6	170	60-140/20
B1-061208	VOCs	Chloroethane	69/53	26	70-130/20
B1-061208	VOCs	Chloromethane	63/58	8	70-130/20
B1-061208	VOCs	Vinyl Chloride	65/57	13	75-125/20
B3-061208	VOCs	Acetone	36/40	11	40-160/21
B3-061208	VOCs	Bromomethane	66/75	13	70-130/20
B3-061208	VOCs	2-Butanone	56/61	9	60-140/20
B3-061208	VOCs	Vinyl Chloride	70/68	3	75-125/20

Analytical data that required qualification based on MS/MSD data are included in the table below. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

Yes

Field ID	Field Duplicate ID
B2-061208	B2-061208D

Were field duplicates within evaluation criteria?

Yes

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

No

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run *was not* reported:

Field ID	Parameter	Dilution Factor
B2-061208	VOCs	50
B2-061208D	VOCs	50

11.0 Additional Qualifications

Were additional qualifications applied?

Yes

Professional judgment was used to qualify the common laboratory contaminant methylene chloride reported at concentrations less than two times (2X) the RL.

Field ID	Analyte	New RL	Qualification	Comments
B2-061208	Methylene chloride	42.2	U	Professional Judgment
B2-061208D	Methylene chloride	47.2	U	Professional Judgment

Analytical Report 305871

for

URS Corporation-St. Louis

Project Manager: Wendy Pennington

900 S. Central Avenue

Route 111 & Rand Ave Vicinity / 21561979

26-JUN-08



E84880

4143 Greenbriar Dr., Stafford, TX 77477 Ph:(281) 240-4200 Fax:(281) 240-4280

Texas certification numbers:

Houston, TX T104704215

Florida certification numbers:

Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Norcross(Atlanta), GA E87429

South Carolina certification numbers:

Norcross(Atlanta), GA 98015

North Carolina certification numbers:

Norcross(Atlanta), GA 483

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Midland - Corpus Christi - Atlanta



26-JUN-08

Project Manager: **Wendy Pennington**
URS Corporation-St. Louis
1001 Highlands Plaza Drive West, Suite 300
St. Louis, MO 63110

Reference: XENCO Report No: **305871**
900 S. Central Avenue
Project Address: Roxana, Illinois 62084

Wendy Pennington:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 305871. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 305871 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro

Managing Director, Texas

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Sample Cross Reference 305871



URS Corporation-St. Louis, St. Louis, MO
900 S. Central Avenue

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1-061208	W	Jun-12-08 10:45		305871-001
B2-061208	W	Jun-12-08 12:45		305871-002
B2-061208D	W	Jun-12-08 12:45		305871-003
B3-061208	W	Jun-12-08 15:00		305871-004
B4-061208	W	Jun-12-08 16:30		305871-005
B5-061308	W	Jun-13-08 10:05		305871-006
B6-061308	W	Jun-13-08 12:00		305871-007
B6-061308EB	W	Jun-13-08 13:30		305871-008
TB061308	W	Jun-13-08 00:00		305871-009



Certificate of Analysis Summary 305871

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-14-08 09:51 am

Contact: Wendy Pennington

Report Date: 26-JUN-08

Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305871-001	305871-002	305871-003	305871-004
	Field Id:	B1-061208	B2-061208	B2-061208D	B3-061208
Depth:					
Matrix:		WATER	WATER	WATER	WATER
Sampled:		Jun-12-08 10:45	Jun-12-08 12:45	Jun-12-08 12:45	Jun-12-08 15:00
VOAs by SW-846 8260B	Extracted:	Jun-17-08 11:56	Jun-19-08 14:22	Jun-19-08 14:28	Jun-20-08 11:30
	Analyzed:	Jun-17-08 12:11	Jun-19-08 14:54	Jun-19-08 15:59	Jun-20-08 12:04
Units/RL:		ug/L RL	ug/L RL	ug/L RL	ug/L RL
Acetone		U 100	U 500	U 500	U 100
Benzene		1.01 J 5.00	1100 D 250	1120 D 250	1.59 J 5.00
Bromobenzene		U 5.00	U 25.0	U 25.0	U 5.00
Bromochloromethane		U 5.00	U 25.0	U 25.0	U 5.00
Bromodichloromethane		U 5.00	U 25.0	U 25.0	U 5.00
Bromoform		U 5.00	U 25.0	U 25.0	U 5.00
Bromomethane		U 5.00	U 25.0	U 25.0	U 5.00
2-Butanone		U 50.0	U 250	U 250	U 50.0
MTBE		4.38 J 5.00	U 25.0	U 25.0	U 5.00
n-Butylbenzene		U 5.00	U 25.0	U 25.0	2.69 J 5.00
Sec-Butylbenzene		U 5.00	U 25.0	U 25.0	2.29 J 5.00
tert-Butylbenzene		U 5.00	U 25.0	U 25.0	2.16 J 5.00
Carbon Disulfide		U 50.0	U 250	U 250	U 50.0
Carbon Tetrachloride		U 5.00	U 25.0	U 25.0	U 5.00
Chlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
Chloroethane		U 10.0	U 50.0	U 50.0	U 10.0
Chloroform		U 5.00	U 25.0	U 25.0	U 5.00
Chloromethane		U 10.0	U 50.0	U 50.0	U 10.0
2-Chlorotoluene		U 5.00	U 25.0	U 25.0	U 5.00
4-Chlorotoluene		U 5.00	U 25.0	U 25.0	U 5.00
p-Cymene (p-Isopropyltoluene)		U 5.00	U 25.0	U 25.0	U 5.00
Dibromochloromethane		U 5.00	U 25.0	U 25.0	U 5.00
1,2-Dibromo-3-Chloropropane		U 5.00	U 25.0	U 25.0	U 5.00
1,2-Dibromoethane		U 5.00	U 25.0	U 25.0	U 5.00
Dibromomethane		U 5.00	U 25.0	U 25.0	U 5.00
1,2-Dichlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
1,3-Dichlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
1,4-Dichlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
Dichlorodifluoromethane		U 5.00	U 25.0	U 25.0	U 5.00
1,1-Dichloroethane		U 5.00	U 25.0	U 25.0	U 5.00
1,2-Dichloroethane		U 5.00	U 25.0	U 25.0	U 5.00
1,1-Dichloroethene		U 5.00	U 25.0	U 25.0	U 5.00
cis-1,2-Dichloroethene		U 5.00	U 25.0	U 25.0	U 5.00
trans-1,2-dichloroethene		U 5.00	U 25.0	U 25.0	U 5.00

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Carlos A. Castro
Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Certificate of Analysis Summary 305871

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-14-08 09:51 am

Contact: Wendy Pennington

Report Date: 26-JUN-08

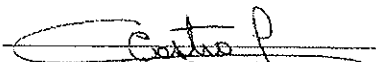
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305871-001	305871-002	305871-003	305871-004
	Field Id:	B1-061208	B2-061208	B2-061208D	B3-061208
	Depth:				
	Matrix:	WATER	WATER	WATER	WATER
	Sampled:	Jun-12-08 10:45	Jun-12-08 12:45	Jun-12-08 12:45	Jun-12-08 15:00
VOAs by SW-846 8260B	Extracted:	Jun-17-08 11:56	Jun-19-08 14:22	Jun-19-08 14:28	Jun-20-08 11:30
	Analyzed:	Jun-17-08 12:11	Jun-19-08 14:54	Jun-19-08 15:59	Jun-20-08 12:04
	Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL
1,2-Dichloropropane		U 5.00	U 25.0	U 25.0	U 5.00
1,3-Dichloropropane		U 5.00	U 25.0	U 25.0	U 5.00
2,2-Dichloropropane		U 5.00	U 25.0	U 25.0	U 5.00
1,1-Dichloropropene		U 5.00	U 25.0	U 25.0	U 5.00
cis-1,3-Dichloropropene		U 5.00	U 25.0	U 25.0	U 5.00
trans-1,3-dichloropropene		U 5.00	U 25.0	U 25.0	U 5.00
Ethylbenzene		U 5.00	1620 D 250	1530 D 250	7.97 5.00
Hexachlorobutadiene		U 5.00	U 25.0	U 25.0	U 5.00
2-Hexanone		U 50.0	U 250	U 250	U 50.0
isopropylbenzene		U 5.00	53.9 25.0	54.6 25.0	29.5 5.00
Methylene Chloride		U 5.00	U 25.0	U 25.0	U 5.00
4-Methyl-2-Pentanone		U 50.0	U 250	U 250	U 50.0
Naphthalene		U 10.0	129 50.0	145 50.0	U 10.0
1-Propylbenzene		U 5.00	117 25.0	124 25.0	54.9 5.00
styrene		U 5.00	U 25.0	U 25.0	U 5.00
1,1,1,2-Tetrachloroethane		U 5.00	U 25.0	U 25.0	U 5.00
1,1,2,2-Tetrachloroethane		U 5.00	U 25.0	U 25.0	U 5.00
Tetrachloroethylene		U 5.00	U 25.0	U 25.0	U 5.00
Toluene		U 5.00	3000 D 250	3030 D 250	50.1 5.00
1,2,3-Trichlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
1,2,4-Trichlorobenzene		U 5.00	U 25.0	U 25.0	U 5.00
1,1,1-Trichloroethane		U 5.00	U 25.0	U 25.0	U 5.00
1,1,2-Trichloroethane		U 5.00	U 25.0	U 25.0	U 5.00
Trichloroethene		U 5.00	U 25.0	U 25.0	U 5.00
Trichlorofluoromethane		U 5.00	U 25.0	U 25.0	U 5.00
1,2,3-Trichloropropane		U 5.00	U 25.0	U 25.0	U 5.00
1,2,4-Trimethylbenzene		U 5.00	718 25.0	689 D 250	U 5.00
1,3,5-Trimethylbenzene		U 5.00	188 25.0	202 25.0	U 5.00
o-Xylene		U 5.00	933 D 250	867 D 250	7.00 5.00
m,p-Xylenes		U 10.0	3130 D 500	3000 D 500	89.4 10.0
Vinyl Chloride		U 2.00	U 10.0	U 10.0	U 2.00

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 Managing Director, Texas



Certificate of Analysis Summary 305871

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-14-08 09:51 am

Contact: Wendy Pennington

Report Date: 26-JUN-08

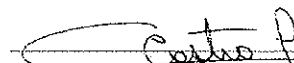
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305871-005	305871-006	305871-007	305871-008			
	Field Id:	B4-061208	B5-061308	B6-061308	B6-061308EB			
Depth:								
Matrix:	WATER	WATER	WATER	WATER				
Sampled:	Jun-12-08 16:30	Jun-13-08 10:05	Jun-13-08 12:00	Jun-13-08 13:30				
VOAs by SW-846 8260B	Extracted:	Jun-17-08 12:06	Jun-17-08 12:08	Jun-17-08 14:28	Jun-17-08 14:30			
	Analyzed:	Jun-17-08 14:20	Jun-17-08 14:42	Jun-17-08 15:03	Jun-17-08 15:25			
	Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL			
Acetone	U	100	U	100	U	100	U	100
Benzene	U	5.00	33.8	5.00	U	5.00	U	5.00
Bromobenzene	U	5.00	U	5.00	U	5.00	U	5.00
Bromochloromethane	U	5.00	U	5.00	U	5.00	U	5.00
Bromodichloromethane	U	5.00	U	5.00	U	5.00	U	5.00
Bromoform	U	5.00	U	5.00	U	5.00	U	5.00
Bromomethane	U	5.00	U	5.00	U	5.00	U	5.00
2-Butanone	U	50.0	U	50.0	U	50.0	U	50.0
MTBE	U	5.00	U	5.00	1.04 J	5.00	U	5.00
n-Butylbenzene	U	5.00	U	5.00	U	5.00	U	5.00
Sec-Butylbenzene	U	5.00	U	5.00	U	5.00	U	5.00
tert-Butylbenzene	U	5.00	1.72 J	5.00	U	5.00	U	5.00
Carbon Disulfide	U	50.0	U	50.0	U	50.0	U	50.0
Carbon Tetrachloride	U	5.00	U	5.00	U	5.00	U	5.00
Chlorobenzene	U	5.00	U	5.00	U	5.00	U	5.00
Chloroethane	U	10.0	U	10.0	U	10.0	U	10.0
Chloroform	U	5.00	U	5.00	U	5.00	U	5.00
Chloromethane	U	10.0	U	10.0	U	10.0	U	10.0
2-Chlorotoluene	U	5.00	U	5.00	U	5.00	U	5.00
4-Chlorotoluene	U	5.00	U	5.00	U	5.00	U	5.00
p-Cymene (p-Isopropyltoluene)	U	5.00	U	5.00	U	5.00	U	5.00
Dibromochloromethane	U	5.00	U	5.00	U	5.00	U	5.00
1,2-Dibromo-3-Chloropropane	U	5.00	U	5.00	U	5.00	U	5.00
1,2-Dibromoethane	U	5.00	U	5.00	U	5.00	U	5.00
Dibromomethane	U	5.00	U	5.00	U	5.00	U	5.00
1,2-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	5.00
1,3-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	5.00
1,4-Dichlorobenzene	U	5.00	U	5.00	U	5.00	U	5.00
Dichlorodifluoromethane	U	5.00	U	5.00	U	5.00	U	5.00
1,1-Dichloroethane	U	5.00	U	5.00	U	5.00	U	5.00
1,2-Dichloroethane	U	5.00	U	5.00	U	5.00	U	5.00
1,1-Dichloroethene	U	5.00	U	5.00	U	5.00	U	5.00
cis-1,2-Dichloroethene	U	5.00	U	5.00	U	5.00	U	5.00
trans-1,2-dichloroethene	U	5.00	U	5.00	U	5.00	U	5.00

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 Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Certificate of Analysis Summary 305871

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity /2156197

Date Received in Lab: Jun-14-08 09:51 am

Contact: Wendy Pennington

Report Date: 26-JUN-08

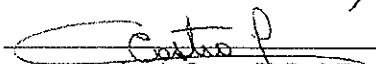
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

Analysis Requested	Lab Id:	305871-005	305871-006	305871-007	305871-008
	Field Id:	B4-061208	B5-061308	B6-061308	B6-061308EB
	Depth:				
	Matrix:	WATER	WATER	WATER	WATER
	Sampled:	Jun-12-08 16:30	Jun-13-08 10:05	Jun-13-08 12:00	Jun-13-08 13:30
VOAs by SW-846 8260B	Extracted:	Jun-17-08 12:06	Jun-17-08 12:08	Jun-17-08 14:28	Jun-17-08 14:30
	Analyzed:	Jun-17-08 14:20	Jun-17-08 14:42	Jun-17-08 15:03	Jun-17-08 15:25
	Units/RL:	ug/L RL	ug/L RL	ug/L RL	ug/L RL
1,2-Dichloropropane		U 5.00	U 5.00	U 5.00	U 5.00
1,3-Dichloropropane		U 5.00	U 5.00	U 5.00	U 5.00
2,2-Dichloropropane		U 5.00	U 5.00	U 5.00	U 5.00
1,1-Dichloropropene		U 5.00	U 5.00	U 5.00	U 5.00
cis-1,3-Dichloropropene		U 5.00	U 5.00	U 5.00	U 5.00
trans-1,3-dichloropropene		U 5.00	U 5.00	U 5.00	U 5.00
Ethylbenzene		U 5.00	3.00 J 5.00	U 5.00	U 5.00
Hexachlorobutadiene		U 5.00	U 5.00	U 5.00	U 5.00
2-Hexanone		U 50.0	U 50.0	U 50.0	U 50.0
isopropylbenzene		U 5.00	1.93 J 5.00	U 5.00	U 5.00
Methylene Chloride		ND 0.01 5.00	ND 0.0 5.00	ND 0.0 5.00	1.67 J 5.00
4-Methyl-2-Pentanone		U 50.0	U 50.0	U 50.0	U 50.0
Naphthalene		U 10.0	U 10.0	U 10.0	U 10.0
propylbenzene		U 5.00	2.57 J 5.00	U 5.00	U 5.00
ylene		U 5.00	U 5.00	U 5.00	U 5.00
1,1,1,2-Tetrachloroethane		U 5.00	U 5.00	U 5.00	U 5.00
1,1,2,2-Tetrachloroethane		U 5.00	U 5.00	U 5.00	U 5.00
Tetrachloroethylene		U 5.00	U 5.00	U 5.00	U 5.00
Toluene		U 5.00	6.17 5.00	U 5.00	U 5.00
1,2,3-Trichlorobenzene		U 5.00	U 5.00	U 5.00	U 5.00
1,2,4-Trichlorobenzene		U 5.00	U 5.00	U 5.00	U 5.00
1,1,1-Trichloroethane		U 5.00	U 5.00	U 5.00	U 5.00
1,1,2-Trichloroethane		U 5.00	U 5.00	U 5.00	U 5.00
Trichloroethene		U 5.00	U 5.00	U 5.00	U 5.00
Trichlorofluoromethane		U 5.00	U 5.00	U 5.00	U 5.00
1,2,3-Trichloropropane		U 5.00	U 5.00	U 5.00	U 5.00
1,2,4-Trimethylbenzene		U 5.00	U 5.00	U 5.00	U 5.00
1,3,5-Trimethylbenzene		U 5.00	U 5.00	U 5.00	U 5.00
o-Xylene		U 5.00	U 5.00	U 5.00	U 5.00
m,p-Xylenes		U 10.0	7.99 J 10.0	U 10.0	U 10.0
Vinyl Chloride		U 2.00	U 2.00	U 2.00	U 2.00

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 Managing Director, Texas



Certificate of Analysis Summary 305871

URS Corporation-St. Louis, St. Louis, MO



Project Name: 900 S. Central Avenue

Project Id: Route 111 & Rand Ave Vicinity / 2156197

Date Received in Lab: Jun-14-08 09:51 am

Contact: Wendy Pennington

Report Date: 26-JUN-08


Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	305871-009	<i>Field Id:</i>	TB061308	<i>Depth:</i>	
	<i>Matrix:</i>	WATER	<i>Sampled:</i>	Jun-13-08 00:00		
VOAs by SW-846 8260B	<i>Extracted:</i>	Jun-17-08 12:04	<i>Analyzed:</i>	Jun-17-08 13:59		
	<i>Units/RL:</i>	ug/L		RL		
		U		100		
Acetone	U		5.00			
Benzene	U		5.00			
Bromobenzene	U		5.00			
Bromochloromethane	U		5.00			
Bromodichloromethane	U		5.00			
Bromoform	U		5.00			
Bromomethane	U		5.00			
2-Butanone	U		50.0			
MTBE	U		5.00			
n-Butylbenzene	U		5.00			
Sec-Butylbenzene	U		5.00			
tert-Butylbenzene	U		5.00			
Carbon Disulfide	U		50.0			
Carbon Tetrachloride	U		5.00			
Chlorobenzene	U		5.00			
Chloroethane	U		10.0			
Chloroform	U		5.00			
Chloromethane	U		10.0			
2-Chlorotoluene	U		5.00			
4-Chlorotoluene	U		5.00			
p-Cymene (p-Isopropyltoluene)	U		5.00			
Dibromochloromethane	U		5.00			
1,2-Dibromo-3-Chloropropane	U		5.00			
1,2-Dibromoethane	U		5.00			
Dibromomethane	U		5.00			
1,2-Dichlorobenzene	U		5.00			
1,3-Dichlorobenzene	U		5.00			
1,4-Dichlorobenzene	U		5.00			
Dichlorodifluoromethane	U		5.00			
1,1-Dichloroethane	U		5.00			
1,2-Dichloroethane	U		5.00			
1,1-Dichloroethene	U		5.00			
cis-1,2-Dichloroethene	U		5.00			
trans-1,2-dichloroethene	U		5.00			

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 Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



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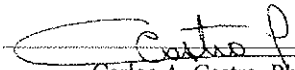
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	305871-009			
	<i>Field Id:</i>	TB061308			
	<i>Depth:</i>				
	<i>Matrix:</i>	WATER			
	<i>Sampled:</i>	Jun-13-08 00:00			
VOAs by SW-846 8260B	<i>Extracted:</i>	Jun-17-08 12:04			
	<i>Analyzed:</i>	Jun-17-08 13:59			
	<i>Units/RL:</i>	ug/L RL			
1,2-Dichloropropane		U	5.00		
1,3-Dichloropropane		U	5.00		
2,2-Dichloropropane		U	5.00		
1,1-Dichloropropene		U	5.00		
cis-1,3-Dichloropropene		U	5.00		
trans-1,3-dichloropropene		U	5.00		
Ethylbenzene		U	5.00		
Hexachlorobutadiene		U	5.00		
2-Hexanone		U	50.0		
isopropylbenzene		U	5.00		
Methylene Chloride		5.77	5.00		
4-Methyl-2-Pentanone		U	50.0		
Naphthalene		U	10.0		
opylbenzene		U	5.00		
ylene		U	5.00		
1,1,1,2-Tetrachloroethane		U	5.00		
1,1,2,2-Tetrachloroethane		U	5.00		
Tetrachloroethylene		U	5.00		
Toluene		U	5.00		
1,2,3-Trichlorobenzene		U	5.00		
1,2,4-Trichlorobenzene		U	5.00		
1,1,1-Trichloroethane		U	5.00		
1,1,2-Trichloroethane		U	5.00		
Trichloroethene		U	5.00		
Trichlorofluoromethane		U	5.00		
1,2,3-Trichloropropane		U	5.00		
1,2,4-Trimethylbenzene		U	5.00		
1,3,5-Trimethylbenzene		U	5.00		
o-Xylene		U	5.00		
m,p-Xylenes		U	10.0		
Vinyl Chloride		U	2.00		

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 Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647 9701 Harry Hines Blvd , Dallas, TX 75220 5332 Blackberry Drive, Suite 104, San Antonio, TX 78238 2505 N. Falkenburg Rd., Tampa, FL 33619 5757 NW 158th St, Miami Lakes, FL 33014 6017 Financial Dr., Norcross, GA 30071	Phone (281) 589-0692 (214) 902 0300 (210) 509-3334 (813) 620-2000 (305) 823-8500 (770) 449-8800	Fax (281) 589-0695 (214) 351-9139 (210) 509-3335 (813) 620-2033 (305) 823-8555 (770) 449-5477
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LAB (LOCATION)
 4142 Greenbrier Dr., Stafford, TX 77477
 TEL: 281-240-4200 FAX: 281-240-4280



Shell Oil Products Chain Of Custody Record

- XENCO ()
- CALSCEGCE ()
- TEST AMERICA ()
- SPL ()
- OTHER ()

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SDBCM	<input type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: KEVIN DYER
 INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
 DATE: 6/13/08
 PAGE: 1 of 1

CONSULTANT COMPANY: URS CORPORATION - FIELD OFFICE
 ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300
 CITY: ST. LOUIS, MISSOURI 63110
 TELEPHONE: OFF: 314-743-4166 FAX: 314-743-4166
 CELL: 314-452-8929
 TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (10 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND
 DELIVERABLES: LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 OTHER (SPECIFY) EDD
 TEMPERATURE ON RECEIPT °C Cooler #1 2.3°C Cooler #2 Cooler #3
 SPECIAL INSTRUCTIONS OR NOTES:
 Please include "J" values on Level 2 Reports SHELL CONTRACT RATE APPLIES

SOPUS SITE ADDRESS (Street, City and State):
 900 S. CENTRAL AVENUE: ROXANA, ILLINOIS 62084
 CONSULTANT PROJECT CONTACT (Report to): WENDY PENNINGTON
 CONSULTANT PROJECT NAME / NO.: Route 111 & Rand Ave Vicinity / 21561979
 SAMPLER NAME(S) (P/N): W. Pennington & R. Wernig
 LAB USE ONLY: 305871-H

REQUESTED ANALYSIS

Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	VOC 8260B	PID (ppm)	Container PID Readings or Laboratory Notes
	DATE	TIME		MCL	HNO3	H2SO4	NONE	OTHER				
B1-061208	6/12/08	1045	WATER	X					3	X	0.0	
B2-061208		1245	WATER	X					3	X	108	
B2-061208D		1245	WATER	X					3	X	108	
B3-061208		1500	WATER	X					3	X	10.7	
B4-061208		1630	WATER	X					3	X	0.0	
B5-061308	6/13/08	1005	WATER	X					3	X	4.8	
B6-061308		1200	WATER	X					3	X	15.4	
B6-061308EB		1330	WATER	X					3	X		
TB061308			WATER						1	X		

Relinquished by: (Signature) <i>Wendy Pennington</i>	Received by: (Signature)	Date: 6/13/08	Time: 1630
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature) Fed Ex	Received by: (Signature) <i>TGA</i>	Date: 6/14/08	Time: 9:51

Page 3 of 3

305871-H



Prelogin/Nonconformance Report- Sample Log-In

Client: URS Corporation
 Date/ Time: 6/14/08
 Lab ID #: 305871-H
 Initials: [Signature]

Sample Receipt Checklist

#1 Temperature of container/ cooler?	Yes	No	N/A	2.3 °c
#2 Shipping container in good condition?	Yes	No	None	
#3 Samples received on ice?	Yes	No	N/A	Blue/Water
#4 Custody Seals intact on shipping container/ cooler?	Yes	No	N/A	
#5 Custody Seals intact on sample bottles/ container?	Yes	No	N/A	
#6 Chain of Custody present?	Yes	No		
#7 Sample instructions complete of Chain of Custody?	Yes	No		
#8 Any missing/extra samples?	Yes	No		
#9 Chain of Custody signed when relinquished/ received?	Yes	No		
#10 Chain of Custody agrees with sample label(s)?	Yes	No		
#11 Container label(s) legible and intact?	Yes	No		
Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#13 Samples in proper container/ bottle?	Yes	No		
#14 Samples properly preserved?	Yes	No	N/A	
#15 Sample container intact?	Yes	No		
#16 Sufficient sample amount for indicated test(s)?	Yes	No		
#17 All samples received within sufficient hold time?	Yes	No		
#18 Subcontract of sample(s)?	Yes	No	N/A	
#19 VOC samples have zero headspace?	Yes	No	N/A	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Rand Avenue Data Review

Laboratory SDG: 308728

Reviewer: Tony Sedlacek

Date Reviewed: 8/04/2008

Guidance: National Functional Guidelines for Organic Data Review 1999.

Applicable Work Plan: Route 111/Rand Avenue Vicinity Investigation Work Plan.

Sample Identification #
P54072508

1.0 Data Package Completeness

Were all items delivered as specified in the QAPP and COC?

Yes

2.0 Laboratory Case Narrative \ Cooler Receipt Form

Were problems noted in the laboratory case narrative or cooler receipt form?

Although not indicated in the laboratory case narrative the MS recovery for acetone and the LCS recovery for chloroethane were outside evaluation criteria. Also, the sample was evaluated and qualified using professional judgment. These issues are addressed further in the appropriate sections below.

The cooler receipt form did not indicate any problems.

3.0 Holding Times

Were samples extracted/analyzed within QAPP limits?

Yes

Field ID	Parameter	Analyte	Qualification
N/A			

4.0 Blank Contamination

Were any analytes detected in the Method Blanks, Field Blanks or Trip Blanks?

No

Blank ID	Parameter	Analyte	Concentration	Units
N/A				

Qualifications due to blank contamination are included in the table below. Analytical data that were reported nondetect or at concentrations greater than five times (5X) the associated blank concentration (10X for common laboratory contaminants) did not require qualification.

Field ID	Parameter	Analyte	New RL	Qualification
N/A				

5.0 Laboratory Control Sample

Were LCS recoveries within evaluation criteria?

No

LCS ID	Parameter	Analyte	LCS Recovery	RPD	LCS Criteria
512967-1-BKS	VOCs	Chloroethane	139	N/A	70-130

Analytical data that required qualification based on LCS data are included in the table below. Analytical data which were reported as nondetect and associated with LCS recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

6.0 Surrogate Recoveries

Were surrogate recoveries within evaluation criteria?

Yes

Field ID	Parameter	Surrogate	Recovery	Criteria
N/A				

Analytical data that required qualification based on surrogate data are included in the table below. Analytical data which were reported as nondetect and associated with surrogate recoveries above evaluation criteria, indicating a possible high bias, did not require qualification.

Field ID	Parameter	Analyte	Qualification
N/A			

7.0 Matrix Spike and Matrix Spike Duplicate Recoveries

Were MS/MSD samples reported as part of this SDG?

Yes, sample P54072508 was spiked and analyzed for VOCs.

Were MS/MSD recoveries within evaluation criteria?

No

MS/MSD ID	Parameter	Analyte	MS/MSD Recovery	RPD	MS/MSD/RPD Criteria
P54072508	VOCs	Acetone	39/43	10	40-160/21

Analytical data that required qualification based on MS/MSD data are included in the table below. USEPA National Functional Guidelines for Organic Data Review indicates that organic data should not be qualified based on MS/MSD data alone and LCS recoveries were within evaluation criteria, therefore no qualification of the data was required.

Field ID	Parameter	Analyte	Qualification
N/A			

8.0 Laboratory Duplicate Results

Were laboratory duplicate samples collected as part of this SDG?

No

Were laboratory duplicate sample RPDs within criteria?

N/A

Field ID	Parameter	Analyte	RPD	Criteria
N/A				

Data qualified due to outlying laboratory duplicate recoveries are identified below:

Field ID	Parameter	Analyte	Qualification
N/A			

9.0 Field Duplicate Results

Were field duplicate samples collected as part of this SDG?

No

Field ID	Field Duplicate ID
N/A	

Were field duplicates within evaluation criteria?

N/A

Field ID	Field Duplicate ID	Parameter	Analyte	RPD	Qualification
N/A					

10.0 Sample Dilutions

For samples that were diluted and nondetect, were undiluted results also reported?

The sample did not require a dilution.

The following table identifies the analyses which were reported as nondetect, diluted, and an undiluted run *was not* reported:

Field ID	Parameter	Dilution Factor
N/A		

11.0 Additional Qualifications

Were additional qualifications applied?

Yes

Professional judgment was used to qualify the common laboratory contaminant methylene chloride reported at concentrations less than two times (2X) the RL.

Field ID	Analyte	New RL	Qualification	Comments
P54072508	Methylene chloride	-	U	Professional Judgment

Analytical Report 308728

for

URS Corporation-St. Louis

Project Manager: Wendy Pennington

900 S. Central Avenue

Route 111 & Rand Ave Vicinity / 21561979

30-JUL-08



E84880

4143 Greenbriar Dr., Stafford, TX 77477 Ph:(281) 240-4200 Fax:(281) 240-4280

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta



30-JUL-08

Project Manager: **Wendy Pennington**
URS Corporation-St. Louis
1001 Highlands Plaza Drive West, Suite 300
St. Louis, MO 63110

Reference: XENCO Report No: **308728**
900 S. Central Avenue
Project Address: Roxana, Illinois 62084

Wendy Pennington:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 308728. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 308728 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Carlos Castro

Managing Director, Texas

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Sample Cross Reference 308728



URS Corporation-St. Louis, St. Louis, MO
900 S. Central Avenue

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
P54072508	W	Jul-25-08 14:30		308728-001



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Project Id: Route 111 & Rand Ave Vicinity / 2156197

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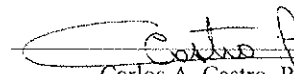
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	308728-001			
	<i>Field Id:</i>	P54072508			
	<i>Depth:</i>				
	<i>Matrix:</i>	WATER			
	<i>Sampled:</i>	Jul-25-08 14:30			
	<i>Extracted:</i>	Jul-29-08 12:57			
	<i>Analyzed:</i>	Jul-29-08 12:57			
	<i>Units/RL:</i>	ug/L RL			
Acetone		U	100		
Benzene		U	5.00		
Bromobenzene		U	5.00		
Bromochloromethane		U	5.00		
Bromodichloromethane		U	5.00		
Bromoform		U	5.00		
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tert-Butylbenzene		U	5.00		
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Carbon Tetrachloride		U	5.00		
Chlorobenzene		U	5.00		
Chloroethane		U	10.0		
Chloroform		U	5.00		
Chloromethane		U	10.0		
2-Chlorotoluene		U	5.00		
4-Chlorotoluene		U	5.00		
p-Cymene (p-Isopropyltoluene)		U	5.00		
Dibromochloromethane		U	5.00		
1,2-Dibromo-3-Chloropropane		U	5.00		
1,2-Dibromoethane		U	5.00		
Dibromomethane		U	5.00		
1,2-Dichlorobenzene		U	5.00		
1,3-Dichlorobenzene		U	5.00		
1,4-Dichlorobenzene		U	5.00		
Dichlorodifluoromethane		U	5.00		
1,1-Dichloroethane		U	5.00		
1,2-Dichloroethane		U	5.00		
1,1-Dichloroethene		U	5.00		
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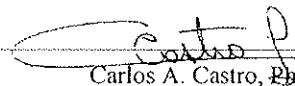
Project Location: Roxana, Illinois 62084

Project Manager: Debbie Simmons

<i>Analysis Requested</i>	<i>Lab Id:</i>	308728-001		
	<i>Field Id:</i>	P54072508		
	<i>Depth:</i>			
	<i>Matrix:</i>	WATER		
	<i>Sampled:</i>	Jul-25-08 14:30		
VOAs by SW-846 8260B	<i>Extracted:</i>	Jul-29-08 12:57		
	<i>Analyzed:</i>	Jul-29-08 12:57		
	<i>Units/RL:</i>	ug/L RL		
1,2-Dichloropropane		U	5.00	
1,3-Dichloropropane		U	5.00	
2,2-Dichloropropane		U	5.00	
1,1-Dichloropropene		U	5.00	
cis-1,3-Dichloropropene		U	5.00	
trans-1,3-dichloropropene		U	5.00	
Ethylbenzene		U	5.00	
Hexachlorobutadiene		U	5.00	
2-Hexanone		U	50.0	
isopropylbenzene		U	5.00	
Methylene Chloride		3.84 J	5.00	
4-Methyl-2-Pentanone		U	50.0	
Naphthalene		U	10.0	
opylbenzene		U	5.00	
,rene		U	5.00	
1,1,1,2-Tetrachloroethane		U	5.00	
1,1,2,2-Tetrachloroethane		U	5.00	
Tetrachloroethylene		U	5.00	
Toluene		U	5.00	
1,2,3-Trichlorobenzene		U	5.00	
1,2,4-Trichlorobenzene		U	5.00	
1,1,1-Trichloroethane		U	5.00	
1,1,2-Trichloroethane		U	5.00	
Trichloroethene		U	5.00	
Trichlorofluoromethane		U	5.00	
1,2,3-Trichloropropane		U	5.00	
1,2,4-Trimethylbenzene		U	5.00	
1,3,5-Trimethylbenzene		U	5.00	
o-Xylene		U	5.00	
m,p-Xylenes		U	10.0	
Vinyl Chloride		U	2.00	

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 Carlos A. Castro, Ph.D., MBA
 Managing Director, Texas



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

*Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
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11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	Phone	Fax
9701 Harry Hines Blvd , Dallas, TX 75220	(281) 589-0692	(281) 589-0695
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(214) 902 0300	(214) 351-9139
2505 N. Falkenburg Rd., Tampa, FL 33619	(210) 509-3334	(210) 509-3335
5757 NW 158th St, Miami Lakes, FL 33014	(813) 620-2000	(813) 620-2033
6017 Financial Dr., Norcross, GA 30071	(305) 823-8500	(305) 823-8555
	(770) 449-8800	(770) 449-5477



Shell Oil Products Chain Of Custody Record

LAB () (ION)
 111, adowglen Ln, Ste L, Houston, TX
 XENCO (PH. 281.589.0692, FAX. 281.589.0695)
 CALSCIENCE ()
 TEST AMERICA ()
 SPL ()
 OTHER ()

Please Check Appropriate Box:

<input checked="" type="checkbox"/> ENV. SERVICES	<input type="checkbox"/> MOTIVA RETAIL	<input type="checkbox"/> SHELL RETAIL
<input type="checkbox"/> MOTIVA SD&CH	<input type="checkbox"/> CONSULTANT	<input type="checkbox"/> LUBES
<input type="checkbox"/> SHELL PIPELINE	<input type="checkbox"/> OTHER _____	

Print Bill To Contact Name: KEVIN DYER
 INCIDENT # (ENV SERVICES): 9 7 2 1 6 6 4 0
 PO # _____ SAP # _____
 DATE: 7/25/08
 PAGE: 1 of 1

CONSULTANT COMPANY: URS CORPORATION - FIELD OFFICE
 ADDRESS: 1001 HIGHLANDS PLAZA DRIVE WEST - SUITE 300
 CITY: ST. LOUIS, MISSOURI 63110
 TELEPHONE OFF: 314-743-4166 FAX OFF: 314-743-4166
 CELL: 314-452-8928
 TURNAROUND TIME (CALENDAR DAYS):
 STANDARD (10 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS RESULTS NEEDED ON WEEKEND
 DELIVERABLES: LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 OTHER (SPECIFY) EDD
 TEMPERATURE ON RECEIPT °C: Cooler #1 20C Cooler #2 _____ Cooler #3 _____
 SPECIAL INSTRUCTIONS OR NOTES:
 SHELL CONTRACT RATE APPLIES

SOPUS SITE ADDRESS (Street, City and State): 900 S. CENTRAL AVENUE; ROXANA, ILLINOIS 62084
 CONSULTANT PROJECT CONTACT (Report to): WENDY PENNINGTON
 CONSULTANT PROJECT NAME / NO: Route 111 & Rand Ave Vicinity / 21561979
 SAMPLER NAME(S) (PID#):
 LAB USE ONLY: 30878-H
 W. Pennington & S. Moore

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	VOC 8260B	PID (ppm)	Container PID Readings or Laboratory Notes
	DATE	TIME	DATE	TIME		HCL	HNO3	H2SO4	NONE	OTHER				
	PS4072508	7/25/08 1430			WATER	X					3	X		
					WATER									
					WATER									
					WATER									
					WATER									
					WATER									
					WATER									
					WATER									

Relinquished by (Signature): <u>Wendy Pennington</u>	Received by (Signature): _____	Date: 7/25/08	Time: 1600
Relinquished by (Signature): <u>FedEx</u>	Received by (Signature): <u>Janet Seay</u>	Date: 7/26/08	Time: 0900



Prelogin/Nonconformance Report- Sample Log-In

Client: URS

Date/ Time: 7/26/18

Lab ID #: 308728-61

Initials: MD

Sample Receipt Checklist

#1	Temperature of container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A	2-0° C
#2	Shipping container in good condition?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	None	
#3	Samples received on ice?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A	Blue/Water
#4	Custody Seals intact on shipping container/ cooler?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A	
#5	Custody Seals intact on sample bottles/ container?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	N/A	
#6	Chain of Custody present?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#7	Sample instructions complete of Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#8	Any missing/extra samples?	<input type="radio"/> Yes	<input checked="" type="radio"/> No		
#9	Chain of Custody signed when relinquished/ received?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#10	Chain of Custody agrees with sample label(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#11	Container label(s) legible and intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#12	Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#13	Samples in proper container/ bottle?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#14	Samples properly preserved?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A	
#15	Sample container intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#16	Sufficient sample amount for indicated test(s)?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#17	All samples received within sufficient hold time?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
#18	Subcontract of sample(s)?	<input type="radio"/> Yes	<input type="radio"/> No	N/A	
#19	VOC samples have zero headspace?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A	

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event