

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86841B

Sample ID: IC_111201_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86841						
Client ID: ZZZZZZ	Batch ID: R86841B	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2935134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86841C

Sample ID: 1111965-005ALFM		SampType: LFM		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 86841		
Client ID: CRCP-HOLWEGE-		Batch ID: R86841C		TestNo: E300.0				Analysis Date: 12/2/2011		SeqNo: 2935145		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	55.9	1.00	20.00	32.61	116	80	120				
Fluoride	1.36	0.010	1.000	0.2860	107	80	120				

Sample ID: 1111965-005ALFMD	SampType: LFMD	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86841						
Client ID: CRCP-HOLWEGE-	Batch ID: R86841C	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2935146						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	55.8	1.00	20.00	32.61	116	0	2000	55.86	0.134	20
Fluoride	1.36	0.010	1.000	0.2860	107	0	2000	1.356	0.0738	20

Sample ID: IC_111201_LFB	SampType: LFB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86841						
Client ID: ZZZZZZ	Batch ID: R86841C	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2935147						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110			
Fluoride	1.02	0.010	1.000	0	102	90	110			
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110			
Sulfate	30.6	1.00	30.00	0	102	90	110			

Sample ID: IC_111201_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86841						
Client ID: ZZZZZZ	Batch ID: R86841C	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2935148						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110			
Fluoride	1.02	0.010	1.000	0	102	90	110			
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110			
Sulfate	30.6	1.00	30.00	0	102	90	110			

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86841C

Sample ID: IC_111201_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86841						
Client ID: ZZZZZZ	Batch ID: R86841C	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2935149						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86847C

Sample ID: 1112040-002CMS	SampType: MS	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 86847						
Client ID: ZZZZZZ	Batch ID: R86847C	TestNo: E350.1		Analysis Date: 12/2/2011	SeqNo: 2935344						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.940	0.020	1.000	0.05519	88.5	90	110				S

Sample ID: NH3_LFB3	SampType: LFB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 86847						
Client ID: ZZZZZZ	Batch ID: R86847C	TestNo: E350.1		Analysis Date: 12/2/2011	SeqNo: 2935345						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.968	0.020	1.000	0	96.8	90	110				

Sample ID: NH3_LRB3	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 86847						
Client ID: ZZZZZZ	Batch ID: R86847C	TestNo: E350.1		Analysis Date: 12/2/2011	SeqNo: 2935347						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Qualifiers:	A Not Available for Accreditation	B Analyte Detected in Method Blank	E Value Above Quantitation Range
	H Holding Time Exceeded	N Not Accredited	R RPD Outside Recovery Limits
	S Spike Recovery Outside Recovery Limits	X Value Exceeds Maximum Contaminant Level (MCL)	

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86859

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 86859						
Client ID: PBW	Batch ID: R86859	TestNo: SM2320 B	Analysis Date: 12/1/2011	SeqNo: 2935934							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1111895-001ADUP	SampType: DUP	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 86859						
Client ID: ZZZZZZ	Batch ID: R86859	TestNo: SM2320 B	Analysis Date: 12/1/2011	SeqNo: 2935938							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	427	2						420.3	1.56	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 86859						
Client ID: PBW	Batch ID: R86859	TestNo: SM2320 B	Analysis Date: 12/1/2011	SeqNo: 2935960							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Qualifiers:

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CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86861A

Sample ID: IC_111202_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936049						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00
Fluoride	< 0.010	0.010
Nitrogen, Nitrate (As N)	< 0.010	0.010
Sulfate	< 1.00	1.00

Sample ID: IC_111202_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936050						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.3	1.00	30.00	0	101	90	110
Fluoride	1.01	0.010	1.000	0	101	90	110
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110
Sulfate	30.6	1.00	30.00	0	102	90	110

Sample ID: 1112055-001ALFM	SampType: LFM	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936063						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	5.26	0.050	5.000	0.2350	100	80	120
Nitrogen, Nitrate (As N)	5.12	0.050	5.000	0	102	80	120
Sulfate	138	5.00	100.0	34.92	103	80	120

Sample ID: 1112055-001ALFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936064						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Fluoride	5.28	0.050	5.000	0.2350	101	0	2000	5.255	0.380	20
Nitrogen, Nitrate (As N)	5.12	0.050	5.000	0	102	0	2000	5.120	0	20
Sulfate	138	5.00	100.0	34.92	103	0	2000	138.2	0.00724	20

Qualifiers:

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CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86861A

Sample ID: IC_111202_LFB	SampType: LFB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936065						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110				
Sulfate	30.7	1.00	30.00	0	102	90	110				

Sample ID: IC_111202_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	1.02	0.010	1.000	0	102	90	110				
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110				
Sulfate	30.7	1.00	30.00	0	102	90	110				

Sample ID: IC_111202_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 86861						
Client ID: ZZZZZZ	Batch ID: R86861A	TestNo: E300.0		Analysis Date: 12/2/2011	SeqNo: 2936067						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

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Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86865

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 86865						
Client ID: PBW	Batch ID: R86865	TestNo: SM2540D		Analysis Date: 12/5/2011	SeqNo: 2936135						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) < 1.0 1.0

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 86865						
Client ID: LCSW	Batch ID: R86865	TestNo: SM2540D		Analysis Date: 12/5/2011	SeqNo: 2936136						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 84.0 10.0 100.0 0 84.0 80 120

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 86865						
Client ID: LCSS02	Batch ID: R86865	TestNo: SM2540D		Analysis Date: 12/5/2011	SeqNo: 2936137						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 97.0 10.0 100.0 0 97.0 0 2000 84.00 14.4 20

Sample ID: 1111965-005DDUP		SampType: DUP		TestCode: TSS_SM		Units: mg/L		Prep Date:			RunNo: 86865		
Client ID: CRCP-HOLWEGER-		Batch ID: R86865		TestNo: SM2540D		Analysis Date: 12/5/2011			SeqNo: 2936146				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) < 1.0 1.0 0 0 20

Qualifiers:

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H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86913

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 86913						
Client ID: PBW	Batch ID: R86913	TestNo: SM2320 B		Analysis Date: 12/6/2011	SeqNo: 2937361						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1111965-005ADUP		SampType: DUP		TestCode: ALK		Units: mg/L CaCO3		Prep Date:		RunNo: 86913	
Client ID: CRCP-HOLWEGE-		Batch ID: R86913		TestNo: SM2320 B				Analysis Date: 12/6/2011		SeqNo: 2937365	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	304	2						299.6	1.36	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 86913						
Client ID: PBW	Batch ID: R86913	TestNo: SM2320 B		Analysis Date: 12/6/2011	SeqNo: 2937387						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Qualifiers:

- A Not Available for Accreditation
- H Holding Time Exceeded
- S Spike Recovery Outside Recovery Limits

- B Analyte Detected in Method Blank
- N Not Accredited
- X Value Exceeds Maximum Contaminant Level (MCL)

- E Value Above Quantitation Range
- R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1111965
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R86955B

Sample ID: 1111965-005BLFM		SampType: LFM		TestCode: 200.7		Units: mg/L		Prep Date: 12/6/2011		RunNo: 86955	
Client ID: CRCP-HOLWEGE-		Batch ID: R86955B		TestNo: E200.7				Analysis Date: 12/7/2011		SeqNo: 2938007	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	29.8	0.200	10.00	18.30	115	70	130				
Potassium	12.9	0.200	10.00	1.883	110	70	130				

Sample ID: 1111965-005BLFMD	SampType: LFMD	TestCode: 200.7	Units: mg/L	Prep Date: 12/6/2011	RunNo: 86955						
Client ID: CRCP-HOLWEGE-	Batch ID: R86955B	TestNo: E200.7		Analysis Date: 12/7/2011	SeqNo: 2938008						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	29.7	0.200	10.00	18.30	114	0	2000	29.79	0.406	20	
Potassium	13.0	0.200	10.00	1.883	111	0	2000	12.92	0.409	20	

Sample ID: CCB3	SampType: CCB	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 86955						
Client ID: CCB	Batch ID: R86955B	TestNo: E200.7		Analysis Date: 12/7/2011	SeqNo: 2938010						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Sample ID: IPC3	SampType: IPC	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 86955						
Client ID: ZZZZZZ	Batch ID: R86955B	TestNo: E200.7		Analysis Date: 12/7/2011	SeqNo: 2938011						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	98.8	0.200	100.0	0	98.8	90	110				
Magnesium	108	0.200	100.0	0	108	90	110				
Potassium	107	0.200	100.0	0	107	90	110				
Sodium	103	0.600	100.0	0	103	90	110				

Qualifiers:

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S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

LCRA Environmental Laboratory Services

REMIT TO: Lower Colorado River Authority
P. O. Box 200870
Houston, Texas 77216-0870
TEL: (512) 356-6022

INVOICE

DATE: January 17, 2012

Invoice No: LB91300
Customer No: 000000

Invoice TO: Environmental and Regulatory Affairs
Mail Stop: EL-101
3505 Montopolis Drive
Austin, TX 78744

PO Number:
2282009

Attn: Alicia C. Gill
Phone: (512) 356-6022

Work Order: 1201064 Order Name Colorado River Corridor - Grou Date Received 1/4/2012

Item	Remarks	Matrix	Qty	Mult	Quoted	Test Total
ALKALINITY		Aqueous	5	1	\$24.00	\$120.00
AMMONIA as N		Aqueous	5	1	\$15.00	\$75.00
ANIONS by ION CHROMATOGRAPHY		Aqueous	5	1	\$72.00	\$360.00
AQPREP TOTAL RECOVERABLE METALS: I		Aqueous	5	1	\$15.00	\$75.00
ICP METALS, TOTAL RECOVERABLE		Aqueous	5	1	\$48.00	\$240.00
TOTAL SUSPENDED SOLIDS	TSS	Aqueous	4	1	\$12.00	\$48.00

Subtotal: \$918.00

Misc Charges: \$0.00

INVOICE Total: \$918.00

This is an internal billing for your records. Please do not forward to Accounts Payable.



January 17, 2012

Kevin Pasternak
URS Corporation
9400 Amberglen Blvd
Austin, TX 78729
TEL: (512) 419-5293
FAX

RE: Colorado River Corridor - Groundwater

COC ID.: 110227

Order No.: 1201064

Dear Kevin Pasternak:

On 1/4/2012, LCRA Environmental Laboratory Services (ELS) received 5 sample(s) for analyses under Lab Order No. 1201064. This final report provides results related only to the sample(s) as received for the above referenced lab order number.

ELS is accredited under the National Environmental Laboratory Accreditation Program (NELAP) and certifies that all reported results meet NELAP requirements, unless otherwise noted. The Case Narrative provides explanations for any deviations, additions to, or exclusions from the method requirements.

This report contains a total of 21 pages (including the cover letter) and may not be reproduced, except in full, without written approval from ELS.

Thank you for selecting ELS for your analytical needs. If you have questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Sincerely,

Tess Abbott
Project Manager

Certificate: T104704218-11-5



CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1201064

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
1201064-001A	CRCP-5852314-030		1/4/2012 11:15:00 AM	1/4/2012 4:30:00 PM
1201064-001B	CRCP-5852314-030		1/4/2012 11:15:00 AM	1/4/2012 4:30:00 PM
1201064-001C	CRCP-5852314-030		1/4/2012 11:15:00 AM	1/4/2012 4:30:00 PM
1201064-001D	CRCP-5852314-030		1/4/2012 11:15:00 AM	1/4/2012 4:30:00 PM
1201064-002A	CRCP-WISIAN2-030		1/4/2012 12:50:00 PM	1/4/2012 4:30:00 PM
1201064-002B	CRCP-WISIAN2-030		1/4/2012 12:50:00 PM	1/4/2012 4:30:00 PM
1201064-002C	CRCP-WISIAN2-030		1/4/2012 12:50:00 PM	1/4/2012 4:30:00 PM
1201064-002D	CRCP-WISIAN2-030		1/4/2012 12:50:00 PM	1/4/2012 4:30:00 PM
1201064-003A	CRCP-WISIANW1-030		1/4/2012 1:55:00 PM	1/4/2012 4:30:00 PM
1201064-003B	CRCP-WISIANW1-030		1/4/2012 1:55:00 PM	1/4/2012 4:30:00 PM
1201064-003C	CRCP-WISIANW1-030		1/4/2012 1:55:00 PM	1/4/2012 4:30:00 PM
1201064-003D	CRCP-WISIANW1-030		1/4/2012 1:55:00 PM	1/4/2012 4:30:00 PM
1201064-004A	CRCP-WISIANW1-035		1/4/2012 2:10:00 PM	1/4/2012 4:30:00 PM
1201064-004B	CRCP-WISIANW1-035		1/4/2012 2:10:00 PM	1/4/2012 4:30:00 PM
1201064-004C	CRCP-WISIANW1-035		1/4/2012 2:10:00 PM	1/4/2012 4:30:00 PM
1201064-005A	CRCP-5852213-030		1/4/2012 3:25:00 PM	1/4/2012 4:30:00 PM
1201064-005B	CRCP-5852213-030		1/4/2012 3:25:00 PM	1/4/2012 4:30:00 PM
1201064-005C	CRCP-5852213-030		1/4/2012 3:25:00 PM	1/4/2012 4:30:00 PM
1201064-005D	CRCP-5852213-030		1/4/2012 3:25:00 PM	1/4/2012 4:30:00 PM

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 17-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-5852314-030
Lab Order:	1201064	Collection Date:	1/4/2012 11:15:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201064-001	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	138	0.200		mg/L	1	1/9/2012 2:47:29 PM
Magnesium	36.8	0.200		mg/L	1	1/9/2012 2:47:29 PM
Potassium	2.21	0.200		mg/L	1	1/9/2012 2:47:29 PM
Sodium	88.4	0.600		mg/L	1	1/9/2012 2:47:29 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	52.2	10.0		mg/L	10	1/4/2012 5:42:00 PM
Fluoride	0.300	0.100		mg/L	10	1/4/2012 5:42:00 PM
Nitrogen, Nitrate (As N)	11.1	0.100	X	mg/L	10	1/4/2012 5:42:00 PM
Sulfate	187	10.0		mg/L	10	1/4/2012 5:42:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	364	2	A	mg/L CaCO ₃	1	1/10/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	1.7	1.0		mg/L	1	1/5/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 17-Jan-12

CLIENT: URS Corporation

Client Sample ID: CRCP-WISIAN2-030

Lab Order: 1201064

Collection Date: 1/4/2012 12:50:00 PM

Project: Colorado River Corridor - Groundwater

Matrix: GROUNDWATER

Lab ID: 1201064-002

Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	88.3	0.200		mg/L	1	1/9/2012 2:55:32 PM
Magnesium	10.7	0.200		mg/L	1	1/9/2012 2:55:32 PM
Potassium	2.41	0.200		mg/L	1	1/9/2012 2:55:32 PM
Sodium	109	0.600		mg/L	1	1/9/2012 2:55:32 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	11.6	10.0		mg/L	10	1/4/2012 5:58:00 PM
Fluoride	< 0.050	0.050		mg/L	5	1/5/2012 9:12:00 PM
Nitrogen, Nitrate (As N)	9.07	0.100		mg/L	10	1/4/2012 5:58:00 PM
Sulfate	31.2	10.0		mg/L	10	1/4/2012 5:58:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	455	2	A	mg/L CaCO ₃	1	1/10/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.1	1.1		mg/L	1.1	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 17-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-WISIANW1-030
Lab Order:	1201064	Collection Date:	1/4/2012 1:55:00 PM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201064-003	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	86.6	0.200		mg/L	1	1/9/2012 3:03:28 PM
Magnesium	10.1	0.200		mg/L	1	1/9/2012 3:03:28 PM
Potassium	2.61	0.200		mg/L	1	1/9/2012 3:03:28 PM
Sodium	66.1	0.600		mg/L	1	1/9/2012 3:03:28 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	13.8	10.0		mg/L	10	1/4/2012 6:15:00 PM
Fluoride	0.330	0.100		mg/L	10	1/4/2012 6:15:00 PM
Nitrogen, Nitrate (As N)	8.78	0.100		mg/L	10	1/4/2012 6:15:00 PM
Sulfate	24.8	10.0		mg/L	10	1/4/2012 6:15:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO3)	356	2	A	mg/L CaCO3	1	1/10/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	1.5	1.0		mg/L	1	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 17-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-WISIANW1-035
Lab Order:	1201064	Collection Date:	1/4/2012 2:10:00 PM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201064-004	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	0.696	0.200		mg/L	1	1/9/2012 3:11:24 PM
Magnesium	< 0.200	0.200		mg/L	1	1/9/2012 3:11:24 PM
Potassium	< 0.200	0.200		mg/L	1	1/9/2012 3:11:24 PM
Sodium	< 0.600	0.600		mg/L	1	1/9/2012 3:11:24 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	< 5.00	5.00		mg/L	5	1/5/2012 9:28:00 PM
Fluoride	< 0.050	0.050		mg/L	5	1/5/2012 9:28:00 PM
Nitrogen, Nitrate (As N)	< 0.050	0.050		mg/L	5	1/5/2012 9:28:00 PM
Sulfate	< 5.00	5.00		mg/L	5	1/5/2012 9:28:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO3)	< 20	20	A	mg/L CaCO3	1	1/10/2012
Alkalinity, Carbonate (As CaCO3)	< 20	20	A	mg/L CaCO3	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 17-Jan-12

CLIENT: URS Corporation

Client Sample ID: CRCP-5852213-030

Lab Order: 1201064

Collection Date: 1/4/2012 3:25:00 PM

Project: Colorado River Corridor - Groundwater

Matrix: GROUNDWATER

Lab ID: 1201064-005

Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	128	0.200		mg/L	1	1/9/2012 3:16:54 PM
Magnesium	20.2	0.200		mg/L	1	1/9/2012 3:16:54 PM
Potassium	4.35	0.200		mg/L	1	1/9/2012 3:16:54 PM
Sodium	30.0	0.600		mg/L	1	1/9/2012 3:16:54 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	16.5	10.0		mg/L	10	1/4/2012 6:49:00 PM
Fluoride	0.390	0.100		mg/L	10	1/4/2012 6:49:00 PM
Nitrogen, Nitrate (As N)	< 0.050	0.050		mg/L	5	1/5/2012 11:17:00 AM
Sulfate	28.4	10.0		mg/L	10	1/4/2012 6:49:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	404	2	A	mg/L CaCO ₃	1	1/10/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	1.90	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	25.4	2.9		mg/L	2.9	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1201064

CASE NARRATIVE

Analytical Comments for METHOD E300.0, SAMPLE 1201064-001A, Batch R87484: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E200.7, SAMPLE 1201037-001AMS, Batch R87551B: The sodium LFM recovery was not reported because the spike amount was less than 30 percent of the sample background concentration.

Analytical Comments for METHOD E200.7, SAMPLE 1201037-001AMSD, Batch R87551B: The sodium LFMD recovery was not reported because the spike amount was less than 30 percent of the sample background concentration.

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT**BatchID: R87484**

Sample ID: IC_120104_LRB		SampType: LRB		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 87484			
Client ID: ZZZZZZ		Batch ID: R87484		TestNo: E300.0				Analysis Date: 1/4/2012		SeqNo: 2957774			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Sample ID: IC_120104_IPC		SampType: IPC		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 87484			
Client ID: ZZZZZZ		Batch ID: R87484		TestNo: E300.0				Analysis Date: 1/4/2012		SeqNo: 2957775			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.1	1.00	30.00	0	100	90	110				
Fluoride	0.991	0.010	1.000	0	99.1	90	110				
Nitrogen, Nitrate (As N)	1.00	0.010	1.000	0	100	90	110				
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: 1201063-001KLFM	SampType: LFM	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957788						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	186	5.00	100.0	84.30	101	80	120				
Fluoride	5.26	0.050	5.000	0.2100	101	80	120				
Sulfate	129	5.00	100.0	28.57	101	80	120				

Sample ID: 1201063-001KLMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957789						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	186	5.00	100.0	84.30	102	0	2000	185.7	0.0996	20	
Fluoride	5.25	0.050	5.000	0.2100	101	0	2000	5.260	0.286	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87484

Sample ID: 1201063-001KLFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957789						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	130	5.00	100.0	28.57	101	0	2000	129.4	0.228	20	

Sample ID: IC_120104_LFB	SampType: LFB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957790						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.2	1.00	30.00	0	101	90	110				
Fluoride	1.01	0.010	1.000	0	101	90	110				
Nitrogen, Nitrate (As N)	0.999	0.010	1.000	0	99.9	90	110				
Sulfate	30.1	1.00	30.00	0	100	90	110				

Sample ID: IC_120104_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957791						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.2	1.00	30.00	0	101	90	110				
Fluoride	1.01	0.010	1.000	0	101	90	110				
Nitrogen, Nitrate (As N)	0.998	0.010	1.000	0	99.8	90	110				
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: IC_120104_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87484						
Client ID: ZZZZZZ	Batch ID: R87484	TestNo: E300.0		Analysis Date: 1/4/2012	SeqNo: 2957792						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87489

Sample ID: MBLK		SampType: MBLK		TestCode: TSS_SM		Units: mg/L		Prep Date:		RunNo: 87489		
Client ID: PBW		Batch ID: R87489		TestNo: SM2540D				Analysis Date: 1/5/2012		SeqNo: 2957824		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) < 1.0 1.0

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87489						
Client ID: LCSW	Batch ID: R87489	TestNo: SM2540D		Analysis Date: 1/5/2012	SeqNo: 2957825						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 90.0 20.0 100.0 0 90.0 80 120

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87489						
Client ID: LCSS02	Batch ID: R87489	TestNo: SM2540D		Analysis Date: 1/5/2012	SeqNo: 2957826						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 84.0 20.0 100.0 0 84.0 0 2000 90.00 6.90 20

Sample ID: 1201045-001ADUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87489						
Client ID: ZZZZZZ	Batch ID: R87489	TestNo: SM2540D		Analysis Date: 1/5/2012	SeqNo: 2957828						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 3600 1000 3600 0 20

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517A

Sample ID: IC_120105_LRB		SampType: LRB		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 87517		
Client ID: ZZZZZZ		Batch ID: R87517A		TestNo: E300.0				Analysis Date: 1/5/2012		SeqNo: 2958578		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Sample ID: IC_120105_IPC		SampType: IPC		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 87517	
Client ID: ZZZZZZ		Batch ID: R87517A		TestNo: E300.0				Analysis Date: 1/5/2012		SeqNo: 2958579	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.1	1.00	30.00	0	100	90	110				
Fluoride	1.00	0.010	1.000	0	100	90	110				
Nitrogen, Nitrate (As N)	1.02	0.010	1.000	0	102	90	110				
Sulfate	30.2	1.00	30.00	0	101	90	110				

Sample ID: 1201093-001ALFM	SampType: LFM	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517A	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958592						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	36.6	1.00	20.00	16.47	100	80	120				
Fluoride	1.98	0.010	1.000	1.248	73.4	80	120				S

Sample ID: 1201093-001ALFMD	SampType: LFMD	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517A	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958593						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	36.6	1.00	20.00	16.47	100	0	2000	36.57	0.0492	20	
Fluoride	1.96	0.010	1.000	1.248	71.1	0	2000	1.982	1.18	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517A

Sample ID: IC_120105_LFB	SampType: LFB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517A	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	0.994	0.010	1.000	0	99.4	90	110				
Nitrogen, Nitrate (As N)	1.02	0.010	1.000	0	102	90	110				
Sulfate	30.5	1.00	30.00	0	102	90	110				

Sample ID: IC_120105_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517A	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958595						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	0.997	0.010	1.000	0	99.7	90	110				
Nitrogen, Nitrate (As N)	1.02	0.010	1.000	0	102	90	110				
Sulfate	30.6	1.00	30.00	0	102	90	110				

Sample ID: IC_120105_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517A	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958596						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517B

Sample ID: 1201120-001ALFM	SampType: LFM	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958607						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	118	5.00	100.0	18.92	99.2	80	120				
Fluoride	5.26	0.050	5.000	0.4710	95.8	80	120				
Nitrogen, Nitrate (As N)	8.33	0.050	5.000	3.638	93.9	80	120				
Sulfate	105	5.00	100.0	9.749	95.5	80	120				

Sample ID: 1201120-001ALFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	118	5.00	100.0	18.92	99.3	0	2000	118.2	0.0605	20	
Fluoride	5.28	0.050	5.000	0.4710	96.1	0	2000	5.260	0.294	20	
Nitrogen, Nitrate (As N)	8.31	0.050	5.000	3.638	93.5	0	2000	8.334	0.276	20	
Sulfate	105	5.00	100.0	9.749	95.6	0	2000	105.3	0.0437	20	

Sample ID: IC_120105_LFB	SampType: LFB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958609						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.1	1.00	30.00	0	100	90	110				
Fluoride	0.995	0.010	1.000	0	99.5	90	110				
Nitrogen, Nitrate (As N)	1.01	0.010	1.000	0	101	90	110				
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: IC_120105_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958610						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.2	1.00	30.00	0	101	90	110				
Fluoride	0.996	0.010	1.000	0	99.6	90	110				
Nitrogen, Nitrate (As N)	1.01	0.010	1.000	0	101	90	110				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517B

Sample ID: IC_120105_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958610						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: IC_120105_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958611						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:
A Not Available for Accreditation
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87539

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87539						
Client ID: PBW	Batch ID: R87539	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958939						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.0	1.0									

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87539						
Client ID: LCSW	Batch ID: R87539	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958940						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	84.0	20.0	100.0	0	84.0	80	120				

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87539						
Client ID: LCSS02	Batch ID: R87539	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958941						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	92.0	20.0	100.0	0	92.0	0	2000	84.00	9.09	20	

Sample ID: 1201092-004ADUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87539						
Client ID: ZZZZZZ	Batch ID: R87539	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958949						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	20.2	2.1						20.00	1.06	20	

Qualifiers:
A Not Available for Accreditation
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87551B

Sample ID: LFB-29062	SampType: LFB	TestCode: 200.7	Units: mg/L	Prep Date: 1/6/2012	RunNo: 87551						
Client ID: ZZZZZZ	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959373						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	10.4	0.200	10.00	0	104	85	115				
Magnesium	9.63	0.200	10.00	0	96.3	85	115				
Potassium	10.9	0.200	10.00	0	109	85	115				
Sodium	11.4	0.600	10.00	0	114	85	115				

Sample ID: LFBD-29062	SampType: LFBD	TestCode: 200.7	Units: mg/L	Prep Date: 1/6/2012	RunNo: 87551						
Client ID: ZZZZZZ	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959374						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	10.2	0.200	10.00	0	102	0	2000	10.35	1.60	20	
Magnesium	9.48	0.200	10.00	0	94.8	0	2000	9.631	1.54	20	
Potassium	10.8	0.200	10.00	0	108	0	2000	10.87	0.892	20	
Sodium	11.3	0.600	10.00	0	113	0	2000	11.45	1.20	20	

Sample ID: LRB-29062	SampType: LRB	TestCode: 200.7	Units: mg/L	Prep Date: 1/6/2012	RunNo: 87551						
Client ID: ZZZZZZ	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959375						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Sample ID: 1201037-001ALFM	SampType: LFM	TestCode: 200.7	Units: mg/L	Prep Date: 1/6/2012	RunNo: 87551						
Client ID: ZZZZZZ	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959378						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	29.1	0.200	10.00	18.86	102	70	130				
Magnesium	32.8	0.200	10.00	23.43	93.3	70	130				
Potassium	17.3	0.200	10.00	6.815	105	70	130				

Qualifiers:	A Not Available for Accreditation	B Analyte Detected in Method Blank	E Value Above Quantitation Range
	H Holding Time Exceeded	N Not Accredited	R RPD Outside Recovery Limits
	S Spike Recovery Outside Recovery Limits	X Value Exceeds Maximum Contaminant Level (MCL)	

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87551B

Sample ID: 1201037-001ALFMD	SampType: LFMD	TestCode: 200.7	Units: mg/L	Prep Date: 1/6/2012	RunNo: 87551						
Client ID: ZZZZZZ	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959379						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	29.5	0.200	10.00	18.86	106	0	2000	29.05	1.38	20	
Magnesium	33.5	0.200	10.00	23.43	100	0	2000	32.76	2.08	20	
Potassium	17.5	0.200	10.00	6.815	107	0	2000	17.27	1.28	20	

Sample ID: CCB3	SampType: CCB	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 87551						
Client ID: CCB	Batch ID: R87551B	TestNo: E200.7		Analysis Date: 1/9/2012	SeqNo: 2959387						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87597

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87597						
Client ID: PBW	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012	SeqNo: 2960457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87597						
Client ID: PBW	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012	SeqNo: 2960483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1201011-001BDUP	SampType: DUP	TestCode: ALK_DW		Units: mg/L CaCO3		Prep Date:			RunNo: 87597		
Client ID: ZZZZZZ	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012			SeqNo: 2960461				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	188	2						186.4	0.748	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87606A

Sample ID: NH3_MBLK	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960577						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Sample ID: NH3_IPC	SampType: IPC	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960578						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.01	0.020	1.000	0	101	90	110				

Sample ID: NH3_QCS	SampType: ICV	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ICV	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960579						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.01	0.020	1.000	0	101	90	110				

Sample ID: 1201092-004CMS	SampType: MS	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960591						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.07	0.020	1.000	0.1252	94.9	90	110				

Sample ID: NH3_LFB1	SampType: LFB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960592						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.950	0.020	1.000	0	95.0	90	110				

Qualifiers:
 A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201064
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87606A

Sample ID: NH3_LRB1	Sample Type: LRB	Test Code: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606A	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960594						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Nitrogen, Ammonia (As N) < 0.020 0.020

Qualifiers: A Not Available for Accreditation
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
R RPD Outside Recovery Limits

LCRA Environmental Laboratory Services

REMIT TO: Lower Colorado River Authority
P. O. Box 200870
Houston, Texas 77216-0870
TEL: (512) 356-6022

INVOICE

DATE: January 20, 2012

Invoice No: LB91391
Customer No: 000000

Invoice TO: Environmental and Regulatory Affairs
Mail Stop: EL-101
3505 Montopolis Drive
Austin, TX 78744

PO Number:
2282009

Attn: Alicia C. Gill
Phone: (512) 356-6022

Work Order: 1201119 Order Name Colorado River Corridor - Grou Date Received 1/5/2012

Item	Remarks	Matrix	Qty	Mult	Quoted	Test Total
ALKALINITY	HCO3,CO3	Aqueous	7	1	\$24.00	\$168.00
AMMONIA as N	Ammonia-N	Aqueous	7	1	\$15.00	\$105.00
ANIONS by ION CHROMATOGRAPHY	Cl,F,NO3,SO4	Aqueous	7	1	\$72.00	\$504.00
AQPREP TOTAL RECOVERABLE METALS: I	Prep Ca,Mg,Na	Aqueous	7	1	\$15.00	\$105.00
ICP METALS, TOTAL RECOVERABLE	Ca,Mg,Na,K	Aqueous	7	1	\$48.00	\$336.00
TOTAL SUSPENDED SOLIDS	TSS	Aqueous	7	1	\$12.00	\$84.00

Subtotal: \$1,302.00

Misc Charges: \$0.00

INVOICE Total: \$1,302.00

This is an internal billing for your records. Please do not forward to Accounts Payable.



January 20, 2012

Kevin Pasternak
URS Corporation
9400 Amberglen Blvd
Austin, TX 78729

TEL: (512) 419-5293
FAX

RE: Colorado River Corridor - Groundwater

COC ID.: 110282

Order No.: 1201119

Dear Kevin Pasternak:

On 1/5/2012, LCRA Environmental Laboratory Services (ELS) received 7 sample(s) for analyses under Lab Order No. 1201119. This final report provides results related only to the sample(s) as received for the above referenced lab order number.

ELS is accredited under the National Environmental Laboratory Accreditation Program (NELAP) and certifies that all reported results meet NELAP requirements, unless otherwise noted. The Case Narrative provides explanations for any deviations, additions to, or exclusions from the method requirements.

This report contains a total of 21 pages (including the cover letter) and may not be reproduced, except in full, without written approval from ELS.

Thank you for selecting ELS for your analytical needs. If you have questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Sincerely,

Tess Abbott
Project Manager

Certificate: T104704218-11-5



CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1201119

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
1201119-001A	CRCP-221049-030		1/5/2012 8:30:00 AM	1/5/2012 1:40:00 PM
1201119-001B	CRCP-221049-030		1/5/2012 8:30:00 AM	1/5/2012 1:40:00 PM
1201119-001C	CRCP-221049-030		1/5/2012 8:30:00 AM	1/5/2012 1:40:00 PM
1201119-001D	CRCP-221049-030		1/5/2012 8:30:00 AM	1/5/2012 1:40:00 PM
1201119-002A	CRCP-ATF1-030		1/5/2012 9:50:00 AM	1/5/2012 1:40:00 PM
1201119-002B	CRCP-ATF1-030		1/5/2012 9:50:00 AM	1/5/2012 1:40:00 PM
1201119-002C	CRCP-ATF1-030		1/5/2012 9:50:00 AM	1/5/2012 1:40:00 PM
1201119-002D	CRCP-ATF1-030		1/5/2012 9:50:00 AM	1/5/2012 1:40:00 PM
1201119-003A	CRCP-NTNW2-030		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-003B	CRCP-NTNW2-030		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-003C	CRCP-NTNW2-030		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-003D	CRCP-NTNW2-030		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-004A	CRCP-NTNW2-031		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-004B	CRCP-NTNW2-031		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-004C	CRCP-NTNW2-031		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-004D	CRCP-NTNW2-031		1/5/2012 10:40:00 AM	1/5/2012 1:40:00 PM
1201119-005A	CRCP-Holweger-033		1/5/2012 11:45:00 AM	1/5/2012 1:40:00 PM
1201119-005B	CRCP-Holweger-033		1/5/2012 11:45:00 AM	1/5/2012 1:40:00 PM
1201119-005C	CRCP-Holweger-033		1/5/2012 11:45:00 AM	1/5/2012 1:40:00 PM
1201119-005D	CRCP-Holweger-033		1/5/2012 11:45:00 AM	1/5/2012 1:40:00 PM
1201119-006A	CRCP-Buchheit-030		1/5/2012 12:15:00 PM	1/5/2012 1:40:00 PM
1201119-006B	CRCP-Buchheit-030		1/5/2012 12:15:00 PM	1/5/2012 1:40:00 PM
1201119-006C	CRCP-Buchheit-030		1/5/2012 12:15:00 PM	1/5/2012 1:40:00 PM
1201119-006D	CRCP-Buchheit-030		1/5/2012 12:15:00 PM	1/5/2012 1:40:00 PM
1201119-007A	CRCP-58522-030		1/5/2012 12:50:00 PM	1/5/2012 1:40:00 PM
1201119-007B	CRCP-58522-030		1/5/2012 12:50:00 PM	1/5/2012 1:40:00 PM
1201119-007C	CRCP-58522-030		1/5/2012 12:50:00 PM	1/5/2012 1:40:00 PM
1201119-007D	CRCP-58522-030		1/5/2012 12:50:00 PM	1/5/2012 1:40:00 PM

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-221049-030
Lab Order:	1201119	Collection Date:	1/5/2012 8:30:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201119-001	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE						
		E200.7				Analyst: MV
Calcium	104	0.200		mg/L	1	1/12/2012 1:11:16 PM
Magnesium	11.9	0.200		mg/L	1	1/12/2012 1:11:16 PM
Potassium	1.90	0.200		mg/L	1	1/12/2012 1:11:16 PM
Sodium	30.3	0.600		mg/L	1	1/12/2012 1:11:16 PM
ANIONS BY ION CHROMATOGRAPHY						
		E300.0				Analyst: WR
Chloride	11.1	5.00		mg/L	5	1/5/2012 6:57:00 PM
Fluoride	0.265	0.050		mg/L	5	1/5/2012 6:57:00 PM
Nitrogen, Nitrate (As N)	13.1	0.050	x	mg/L	5	1/5/2012 6:57:00 PM
Sulfate	16.4	5.00		mg/L	5	1/5/2012 6:57:00 PM
ALKALINITY						
		SM2320 B				Analyst: WR
Alkalinity, Bicarbonate (As CaCO3)	320	2	A	mg/L CaCO3	1	1/10/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	1/10/2012
AMMONIA AS N						
		E350.1				Analyst: JB
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS						
		SM2540D				Analyst: JB
Suspended Solids (Residue, Non-Filterable)	17.9	1.4		mg/L	1.4	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-ATF1-030
Lab Order:	1201119	Collection Date:	1/5/2012 9:50:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201119-002	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	220	0.200		mg/L	1	1/12/2012 1:18:49 PM
Magnesium	47.3	0.200		mg/L	1	1/12/2012 1:18:49 PM
Potassium	4.01	0.200		mg/L	1	1/12/2012 1:18:49 PM
Sodium	53.2	0.600		mg/L	1	1/12/2012 1:18:49 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	81.3	5.00		mg/L	5	1/5/2012 7:14:00 PM
Fluoride	0.200	0.050		mg/L	5	1/5/2012 7:14:00 PM
Nitrogen, Nitrate (As N)	6.76	0.050		mg/L	5	1/5/2012 7:14:00 PM
Sulfate	171	5.00		mg/L	5	1/5/2012 7:14:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO3)	544	2	A	mg/L CaCO3	1	1/10/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.1	1.1		mg/L	1.1	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT: URS Corporation
Lab Order: 1201119
Project: Colorado River Corridor - Groundwater
Lab ID: 1201119-003

Client Sample ID: CRCP-NTNW2-030
Collection Date: 1/5/2012 10:40:00 AM
Matrix: GROUNDWATER
Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	202	0.200		mg/L	1	1/12/2012 1:26:47 PM
Magnesium	61.4	0.200		mg/L	1	1/12/2012 1:26:47 PM
Potassium	2.32	0.200		mg/L	1	1/12/2012 1:26:47 PM
Sodium	47.3	0.600		mg/L	1	1/12/2012 1:26:47 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	37.4	5.00		mg/L	5	1/5/2012 7:31:00 PM
Fluoride	0.290	0.050		mg/L	5	1/5/2012 7:31:00 PM
Nitrogen, Nitrate (As N)	28.2	0.250	X	mg/L	25	1/6/2012 2:03:00 PM
Sulfate	322	5.00		mg/L	5	1/5/2012 7:31:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	367	2	A	mg/L CaCO ₃	1	1/10/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	1/9/2012

Qualifiers:

A Not Available for Accreditation
E Value Above Quantitation Range
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-NTNW2-031
Lab Order:	1201119	Collection Date:	1/5/2012 10:40:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201119-004	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	204	0.200		mg/L	1	1/12/2012 1:34:43 PM
Magnesium	62.5	0.200		mg/L	1	1/12/2012 1:34:43 PM
Potassium	2.35	0.200		mg/L	1	1/12/2012 1:34:43 PM
Sodium	46.7	0.600		mg/L	1	1/12/2012 1:34:43 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	37.9	5.00		mg/L	5	1/5/2012 7:47:00 PM
Fluoride	0.280	0.050		mg/L	5	1/5/2012 7:47:00 PM
Nitrogen, Nitrate (As N)	27.9	0.250	X	mg/L	25	1/6/2012 2:20:00 PM
Sulfate	326	5.00		mg/L	5	1/5/2012 7:47:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO3)	358	2	A	mg/L CaCO3	1	1/10/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	1/10/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	1/9/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-Holweger-033
Lab Order:	1201119	Collection Date:	1/5/2012 11:45:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201119-005	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	112	0.200		mg/L	1	1/12/2012 1:42:42 PM
Magnesium	16.8	0.200		mg/L	1	1/12/2012 1:42:42 PM
Potassium	2.00	0.200		mg/L	1	1/12/2012 1:42:42 PM
Sodium	40.2	0.600		mg/L	1	1/12/2012 1:42:42 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	20.6	5.00		mg/L	5	1/5/2012 8:04:00 PM
Fluoride	0.296	0.050		mg/L	5	1/5/2012 8:04:00 PM
Nitrogen, Nitrate (As N)	17.8	0.250	X	mg/L	25	1/6/2012 2:36:00 PM
Sulfate	27.0	5.00		mg/L	5	1/5/2012 8:04:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	311	2	A	mg/L CaCO ₃	1	1/13/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/13/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.1	1.1		mg/L	1.1	1/10/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT: URS Corporation	Client Sample ID: CRCP-Buchheit-030
Lab Order: 1201119	Collection Date: 1/5/2012 12:15:00 PM
Project: Colorado River Corridor - Groundwater	Matrix: GROUNDWATER
Lab ID: 1201119-006	Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	128	0.200		mg/L	1	1/12/2012 1:50:29 PM
Magnesium	12.8	0.200		mg/L	1	1/12/2012 1:50:29 PM
Potassium	2.54	0.200		mg/L	1	1/12/2012 1:50:29 PM
Sodium	57.4	0.600		mg/L	1	1/12/2012 1:50:29 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	31.8	5.00		mg/L	5	1/5/2012 8:21:00 PM
Fluoride	0.389	0.050		mg/L	5	1/5/2012 8:21:00 PM
Nitrogen, Nitrate (As N)	4.26	0.050		mg/L	5	1/5/2012 8:21:00 PM
Sulfate	80.3	5.00		mg/L	5	1/5/2012 8:21:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO ₃)	363	2	A	mg/L CaCO ₃	1	1/13/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	1/13/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	1/10/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-58522-030
Lab Order:	1201119	Collection Date:	1/5/2012 12:50:00 PM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1201119-007	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	124	0.200		mg/L	1	1/12/2012 1:58:15 PM
Magnesium	36.9	0.200		mg/L	1	1/12/2012 1:58:15 PM
Potassium	2.23	0.200		mg/L	1	1/12/2012 1:58:15 PM
Sodium	71.1	0.600		mg/L	1	1/12/2012 1:58:15 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	88.2	5.00		mg/L	5	1/5/2012 8:38:00 PM
Fluoride	0.277	0.050		mg/L	5	1/5/2012 8:38:00 PM
Nitrogen, Nitrate (As N)	3.73	0.050		mg/L	5	1/5/2012 8:38:00 PM
Sulfate	81.3	5.00		mg/L	5	1/5/2012 8:38:00 PM
ALKALINITY		SM2320 B		Analyst: WR		
Alkalinity, Bicarbonate (As CaCO3)	378	2	A	mg/L CaCO3	1	1/13/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	1/13/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	1/11/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	1/10/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 20-Jan-12

CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1201119

CASE NARRATIVE

Analytical Comments for METHOD E300.0, SAMPLE 1201119-001A, Batch R87517B: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1201119-003A, Batch R87545A: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1201119-004A, Batch R87545A: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1201119-005A, Batch R87545A: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E200.7, SAMPLE 1201077-002ALFM, Batch R87644B: The sodium LFM recovery was not reported because the spike amount was less than 30 percent of the sample background concentration.

Analytical Comments for METHOD E200.7, SAMPLE 1201077-002ALFMD, Batch R87644B: The sodium LFMD recovery was not reported because the spike amount was less than 30 percent of the sample background concentration.

CLIENT: URS Corporation
 Work Order: 1201119
 Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517B

Sample ID: 1201120-001ALFM		SampType: LFM		TestCode: 300_48H_DW		Units: mg/L		Prep Date:		RunNo: 87517	
Client ID: ZZZZZZ		Batch ID: R87517B		TestNo: E300.0		Analysis Date: 1/5/2012		SeqNo: 2958607			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	118	5.00	100.0	18.92	99.2	80	120				
Fluoride	5.26	0.050	5.000	0.4710	95.8	80	120				
Nitrogen, Nitrate (As N)	8.33	0.050	5.000	3.638	93.9	80	120				
Sulfate	105	5.00	100.0	9.749	95.5	80	120				

Sample ID: 1201120-001ALFMD		SampType: LFMD		TestCode: 300_48H_DW		Units: mg/L		Prep Date:		RunNo: 87517	
Client ID: ZZZZZZ		Batch ID: R87517B		TestNo: E300.0		Analysis Date: 1/5/2012		SeqNo: 2958608			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	118	5.00	100.0	18.92	99.3	0	2000	118.2	0.0605	20	
Fluoride	5.28	0.050	5.000	0.4710	96.1	0	2000	5.260	0.294	20	
Nitrogen, Nitrate (As N)	8.31	0.050	5.000	3.638	93.5	0	2000	8.334	0.276	20	
Sulfate	105	5.00	100.0	9.749	95.6	0	2000	105.3	0.0437	20	

Sample ID: IC_120105_LFB		SampType: LFB		TestCode: 300_48H_DW		Units: mg/L		Prep Date:		RunNo: 87517	
Client ID: ZZZZZZ		Batch ID: R87517B		TestNo: E300.0		Analysis Date: 1/5/2012		SeqNo: 2958609			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.1	1.00	30.00	0	100	90	110				
Fluoride	0.995	0.010	1.000	0	99.5	90	110				
Nitrogen, Nitrate (As N)	1.01	0.010	1.000	0	101	90	110				
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: IC_120105_IPC		SampType: IPC		TestCode: 300_48H_DW		Units: mg/L		Prep Date:		RunNo: 87517	
Client ID: ZZZZZZ		Batch ID: R87517B		TestNo: E300.0		Analysis Date: 1/5/2012		SeqNo: 2958610			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.2	1.00	30.00	0	101	90	110				

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits
 B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87517B

Sample ID: IC_120105_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958610						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluoride	0.996	0.010	1.000	0	99.6	90	110				
Nitrogen, Nitrate (As N)	1.01	0.010	1.000	0	101	90	110				
Sulfate	30.0	1.00	30.00	0	100	90	110				

Sample ID: IC_120105_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87517						
Client ID: ZZZZZZ	Batch ID: R87517B	TestNo: E300.0		Analysis Date: 1/5/2012	SeqNo: 2958611						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:
 A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87541

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87541						
Client ID: PBW	Batch ID: R87541	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958953						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.0	1.0									

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87541						
Client ID: LCSW	Batch ID: R87541	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958954						
Analyte	Result	PQL	SPK value	SPK Ref Vai	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	94.0	20.0	100.0	0	94.0	80	120				

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87541						
Client ID: LCSS02	Batch ID: R87541	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958955						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	90.0	20.0	100.0	0	90.0	0	2000	94.00	4.35	20	

Sample ID: 1201112-002BDUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87541						
Client ID: ZZZZZZ	Batch ID: R87541	TestNo: SM2540D		Analysis Date: 1/9/2012	SeqNo: 2958958						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	234	20.0						238.0	1.69	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87545A

Sample ID: IC_120106_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959260						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Sample ID: IC_120106_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.1	1.00	30.00	0	100	90	110				
Fluoride	0.992	0.010	1.000	0	99.2	90	110				
Nitrogen, Nitrate (As N)	0.995	0.010	1.000	0	99.5	90	110				
Sulfate	30.0	1.00	30.00	0	99.9	90	110				

Sample ID: 1201135-002ALFM	SampType: LFM	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959274						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	117	5.00	100.0	14.82	102	80	120				
Fluoride	5.17	0.050	5.000	0.2350	98.7	80	120				
Nitrogen, Nitrate (As N)	6.72	0.050	5.000	1.810	98.3	80	120				
Sulfate	125	5.00	100.0	24.46	100	80	120				

Sample ID: 1201135-002ALFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	117	5.00	100.0	14.82	103	0	2000	117.0	0.286	20	
Fluoride	5.17	0.050	5.000	0.2350	98.7	0	2000	5.170	0	20	
Nitrogen, Nitrate (As N)	6.74	0.050	5.000	1.810	98.5	0	2000	6.725	0.149	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87545A

Sample ID: 1201135-002ALFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	125	5.00	100.0	24.46	100	0	2000	124.9	0.0240	20	

Sample ID: IC_120106_LFB	SampType: LFB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959276						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	1.00	0.010	1.000	0	100	90	110				
Nitrogen, Nitrate (As N)	1.00	0.010	1.000	0	100	90	110				
Sulfate	30.2	1.00	30.00	0	101	90	110				

Sample ID: IC_120106_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959277						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	30.4	1.00	30.00	0	101	90	110				
Fluoride	1.00	0.010	1.000	0	100	90	110				
Nitrogen, Nitrate (As N)	1.00	0.010	1.000	0	100	90	110				
Sulfate	30.2	1.00	30.00	0	101	90	110				

Sample ID: IC_120106_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 87545						
Client ID: ZZZZZZ	Batch ID: R87545A	TestNo: E300.0		Analysis Date: 1/6/2012	SeqNo: 2959278						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits
 B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87556

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87556						
Client ID: PBW	Batch ID: R87556	TestNo: SM2540D		Analysis Date: 1/10/2012	SeqNo: 2959428						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.0	1.0									

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87556						
Client ID: LCSW	Batch ID: R87556	TestNo: SM2540D		Analysis Date: 1/10/2012	SeqNo: 2959429						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	108	20.0	100.0	0	108	80	120				

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87556						
Client ID: LCSS02	Batch ID: R87556	TestNo: SM2540D		Analysis Date: 1/10/2012	SeqNo: 2959430						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	108	20.0	100.0	0	108	0	2000	108.0	0	20	

Sample ID: 1201119-005DDUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 87556						
Client ID: CRCP-Holweger-033	Batch ID: R87556	TestNo: SM2540D		Analysis Date: 1/10/2012	SeqNo: 2959454						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.1	1.1						0	0	20	

Qualifiers:
A Not Available for Accreditation
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87597

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87597						
Client ID: PBW	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012	SeqNo: 2960457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87597						
Client ID: PBW	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012	SeqNo: 2960483						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1201011-001BDUP	SampType: DUP	TestCode: ALK_DW	Units: mg/L CaCO3	Prep Date:	RunNo: 87597						
Client ID: ZZZZZZ	Batch ID: R87597	TestNo: SM2320 B		Analysis Date: 1/10/2012	SeqNo: 2960461						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	188	2						186.4	0.748	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87606B

Sample ID: 1201119-007CMS	SampType: MS	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: CRCP-58522-030	Batch ID: R87606B	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960605						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.922	0.020	1.000	0	92.2	90	110				

Sample ID: NH3_LFB2	SampType: LFB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606B	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960606						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.947	0.020	1.000	0	94.7	90	110				

Sample ID: NH3_LRB2	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 87606						
Client ID: ZZZZZZ	Batch ID: R87606B	TestNo: E350.1		Analysis Date: 1/11/2012	SeqNo: 2960608						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87644B

Sample ID: LFB-29072	SampType: LFB	TestCode: 200.7	Units: mg/L	Prep Date: 1/9/2012	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961322						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	10.6	0.200	10.00	0	106	85	115				
Magnesium	9.70	0.200	10.00	0	97.0	85	115				
Potassium	10.2	0.200	10.00	0	102	85	115				
Sodium	10.4	0.600	10.00	0	104	85	115				

Sample ID: LFB-29072	SampType: LFB	TestCode: 200.7	Units: mg/L	Prep Date: 1/9/2012	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961323						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	10.5	0.200	10.00	0	105	0	2000	10.65	1.39	20	
Magnesium	9.62	0.200	10.00	0	96.2	0	2000	9.698	0.771	20	
Potassium	10.2	0.200	10.00	0	102	0	2000	10.25	0.536	20	
Sodium	10.3	0.600	10.00	0	103	0	2000	10.42	0.907	20	

Sample ID: LRB-29072	SampType: LRB	TestCode: 200.7	Units: mg/L	Prep Date: 1/9/2012	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961324						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Sample ID: 1201077-002ALFM	SampType: LFM	TestCode: 200.7	Units: mg/L	Prep Date: 1/9/2012	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961327						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	13.4	0.200	10.00	2.673	107	70	130				
Magnesium	10.5	0.200	10.00	0.4345	101	70	130				
Potassium	11.6	0.200	10.00	0.9241	107	70	130				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87644B

Sample ID: 1201077-002ALFMD	SampType: LFMD	TestCode: 200.7	Units: mg/L	Prep Date: 1/9/2012	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961328						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	13.1	0.200	10.00	2.673	104	0	2000	13.37	2.44	20	
Magnesium	10.2	0.200	10.00	0.4345	98.1	0	2000	10.52	2.67	20	
Potassium	11.3	0.200	10.00	0.9241	104	0	2000	11.60	2.51	20	

Sample ID: CCB3	SampType: CCB	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 87644						
Client ID: CCB	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961338						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	0.270	0.200									
Sodium	< 0.600	0.600									

Sample ID: IPC3	SampType: IPC	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 87644						
Client ID: ZZZZZZ	Batch ID: R87644B	TestNo: E200.7		Analysis Date: 1/12/2012	SeqNo: 2961339						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	103	0.200	100.0	0	103	90	110				
Magnesium	104	0.200	100.0	0	104	90	110				
Potassium	102	0.200	100.0	0	102	90	110				
Sodium	96.8	0.600	100.0	0	96.8	90	110				

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1201119
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R87742

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87742						
Client ID: PBW	Batch ID: R87742	TestNo: SM2320 B	Analysis Date: 1/13/2012	SeqNo: 2964803							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1201119-005ADUP	SampType: DUP	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87742						
Client ID: CRCP-Holweger-033	Batch ID: R87742	TestNo: SM2320 B	Analysis Date: 1/13/2012	SeqNo: 2964807							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	311	2						310.9	0.0965	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 87742						
Client ID: PBW	Batch ID: R87742	TestNo: SM2320 B		Analysis Date: 1/13/2012	SeqNo: 2964829						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

LCRA Environmental Laboratory Services

REMIT TO: Lower Colorado River Authority
P. O. Box 200870
Houston, Texas 77216-0870
TEL: (512) 356-6022

INVOICE

DATE: February 22, 2012

Invoice No: LB92060
Customer No: 000000

Invoice TO: Environmental and Regulatory Affairs
Mail Stop: EL-101
3505 Montopolis Drive
Austin, TX 78744

PO Number:
2282009

Attn: Alicia C. Gill
Phone: (512) 356-6022

Work Order: 1202430 Order Name Colorado River Corridor - Grou Date Received 2/15/2012

Item	Remarks	Matrix	Qty	Mult	Quoted	Test Total
ALKALINITY	HCO3,CO3	Aqueous	7	1	\$24.00	\$168.00
AMMONIA as N	Ammonia-N	Aqueous	7	1	\$15.00	\$105.00
ANIONS by ION CHROMATOGRAPHY	Cl,F,NO3,SO4	Aqueous	7	1	\$72.00	\$504.00
AQPREP TOTAL RECOVERABLE METALS: I	Prep Ca,Mg,Na,	Aqueous	7	1	\$15.00	\$105.00
ICP METALS, TOTAL RECOVERABLE	Ca,Mg,Na,K	Aqueous	7	1	\$48.00	\$336.00
TOTAL SUSPENDED SOLIDS	TSS	Aqueous	6	1	\$12.00	\$72.00

Subtotal: \$1,290.00

Misc Charges: \$0.00

INVOICE Total: \$1,290.00

This is an internal billing for your records. Please do not forward to Accounts Payable.



February 22, 2012

Kevin Pasternak
URS Corporation
9400 Amberglen Blvd
Austin, TX 78729

TEL: (512) 419-5293

FAX

RE: Colorado River Corridor - Groundwater

COC ID.: 111295

Order No.: 1202430

Dear Kevin Pasternak:

On 2/15/2012, LCRA Environmental Laboratory Services (ELS) received 7 sample(s) for analyses under Lab Order No. 1202430. This final report provides results related only to the sample(s) as received for the above referenced lab order number.

ELS is accredited under the National Environmental Laboratory Accreditation Program (NELAP) and certifies that all reported results meet NELAP requirements, unless otherwise noted. The Case Narrative provides explanations for any deviations, additions to, or exclusions from the method requirements.

This report contains a total of 19 pages (including the cover letter) and may not be reproduced, except in full, without written approval from ELS.

Thank you for selecting ELS for your analytical needs. If you have questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Sincerely,

Tess Abbott
Project Manager

Certificate: T104704218-11-5



CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1202430

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
1202430-001A	CRCP-ATF1-040		2/15/2012 9:20:00 AM	2/15/2012 3:15:00 PM
1202430-001B	CRCP-ATF1-040		2/15/2012 9:20:00 AM	2/15/2012 3:15:00 PM
1202430-001C	CRCP-ATF1-040		2/15/2012 9:20:00 AM	2/15/2012 3:15:00 PM
1202430-001D	CRCP-ATF1-040		2/15/2012 9:20:00 AM	2/15/2012 3:15:00 PM
1202430-002A	CRCP-5852213-040		2/15/2012 10:20:00 AM	2/15/2012 3:15:00 PM
1202430-002B	CRCP-5852213-040		2/15/2012 10:20:00 AM	2/15/2012 3:15:00 PM
1202430-002C	CRCP-5852213-040		2/15/2012 10:20:00 AM	2/15/2012 3:15:00 PM
1202430-002D	CRCP-5852213-040		2/15/2012 10:20:00 AM	2/15/2012 3:15:00 PM
1202430-003A	CRCP-WisianW1-040		2/15/2012 11:20:00 AM	2/15/2012 3:15:00 PM
1202430-003B	CRCP-WisianW1-040		2/15/2012 11:20:00 AM	2/15/2012 3:15:00 PM
1202430-003C	CRCP-WisianW1-040		2/15/2012 11:20:00 AM	2/15/2012 3:15:00 PM
1202430-003D	CRCP-WisianW1-040		2/15/2012 11:20:00 AM	2/15/2012 3:15:00 PM
1202430-004A	CRCP-WisianW1-045		2/15/2012 11:35:00 AM	2/15/2012 3:15:00 PM
1202430-004B	CRCP-WisianW1-045		2/15/2012 11:35:00 AM	2/15/2012 3:15:00 PM
1202430-004C	CRCP-WisianW1-045		2/15/2012 11:35:00 AM	2/15/2012 3:15:00 PM
1202430-005A	CRCP-WisianW2-040		2/15/2012 12:15:00 PM	2/15/2012 3:15:00 PM
1202430-005B	CRCP-WisianW2-040		2/15/2012 12:15:00 PM	2/15/2012 3:15:00 PM
1202430-005C	CRCP-WisianW2-040		2/15/2012 12:15:00 PM	2/15/2012 3:15:00 PM
1202430-005D	CRCP-WisianW2-040		2/15/2012 12:15:00 PM	2/15/2012 3:15:00 PM
1202430-006A	CRCP-58522-040		2/15/2012 1:50:00 PM	2/15/2012 3:15:00 PM
1202430-006B	CRCP-58522-040		2/15/2012 1:50:00 PM	2/15/2012 3:15:00 PM
1202430-006C	CRCP-58522-040		2/15/2012 1:50:00 PM	2/15/2012 3:15:00 PM
1202430-006D	CRCP-58522-040		2/15/2012 1:50:00 PM	2/15/2012 3:15:00 PM
1202430-007A	CRCP-221049-040		2/15/2012 2:45:00 PM	2/15/2012 3:15:00 PM
1202430-007B	CRCP-221049-040		2/15/2012 2:45:00 PM	2/15/2012 3:15:00 PM
1202430-007C	CRCP-221049-040		2/15/2012 2:45:00 PM	2/15/2012 3:15:00 PM
1202430-007D	CRCP-221049-040		2/15/2012 2:45:00 PM	2/15/2012 3:15:00 PM

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-ATF1-040
Lab Order:	1202430	Collection Date:	2/15/2012 9:20:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202430-001	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE						
			E200.7			Analyst: MV
Calcium	210	0.200		mg/L	1	2/17/2012 12:30:53 PM
Magnesium	46.0	0.200		mg/L	1	2/17/2012 12:30:53 PM
Potassium	4.42	0.200		mg/L	1	2/17/2012 12:30:53 PM
Sodium	54.1	0.600		mg/L	1	2/17/2012 12:30:53 PM
ANIONS BY ION CHROMATOGRAPHY						
			E300.0			Analyst: WR
Chloride	83.0	10.0		mg/L	10	2/16/2012 3:26:00 AM
Fluoride	0.224	0.010		mg/L	1	2/16/2012 1:29:00 AM
Nitrogen, Nitrate (As N)	6.68	0.100		mg/L	10	2/16/2012 3:26:00 AM
Sulfate	184	10.0		mg/L	10	2/16/2012 3:26:00 AM
ALKALINITY						
			SM2320 B			Analyst: KH
Alkalinity, Bicarbonate (As CaCO3)	515	2	A	mg/L CaCO3	1	2/17/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/17/2012
AMMONIA AS N						
			E350.1			Analyst: JB
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS						
			SM2540D			Analyst: JB
Suspended Solids (Residue, Non-Filterable)	< 1.1	1.1		mg/L	1.1	2/17/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-5852213-040
Lab Order:	1202430	Collection Date:	2/15/2012 10:20:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202430-002	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	129	0.200		mg/L	1	2/17/2012 12:38:54 PM
Magnesium	20.1	0.200		mg/L	1	2/17/2012 12:38:54 PM
Potassium	6.01	0.200		mg/L	1	2/17/2012 12:38:54 PM
Sodium	25.5	0.600		mg/L	1	2/17/2012 12:38:54 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	15.6	1.00		mg/L	1	2/16/2012 1:45:00 AM
Fluoride	0.239	0.010		mg/L	1	2/16/2012 1:45:00 AM
Nitrogen, Nitrate (As N)	< 0.010	0.010		mg/L	1	2/16/2012 1:45:00 AM
Sulfate	34.1	1.00		mg/L	1	2/16/2012 1:45:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	527	2	A	mg/L CaCO ₃	1	2/17/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	1.52	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	73.7	3.3		mg/L	3.3	2/17/2012

Qualifiers:

A Not Available for Accreditation
E Value Above Quantitation Range
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT: URS Corporation **Client Sample ID:** CRCP-WisianW1-040
Lab Order: 1202430 **Collection Date:** 2/15/2012 11:20:00 AM
Project: Colorado River Corridor - Groundwater **Matrix:** GROUNDWATER
Lab ID: 1202430-003 **Tag No:**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	90.2	0.200		mg/L	1	2/17/2012 12:46:39 PM
Magnesium	10.8	0.200		mg/L	1	2/17/2012 12:46:39 PM
Potassium	2.89	0.200		mg/L	1	2/17/2012 12:46:39 PM
Sodium	63.1	0.600		mg/L	1	2/17/2012 12:46:39 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	19.2	1.00		mg/L	1	2/16/2012 2:02:00 AM
Fluoride	0.240	0.010		mg/L	1	2/16/2012 2:02:00 AM
Nitrogen, Nitrate (As N)	8.87	0.100		mg/L	10	2/16/2012 4:00:00 AM
Sulfate	27.5	1.00		mg/L	1	2/16/2012 2:02:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	327	2	A	mg/L CaCO ₃	1	2/17/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	2.4	1.0		mg/L	1	2/17/2012

Qualifiers:

A Not Available for Accreditation
E Value Above Quantitation Range
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT: URS Corporation	Client Sample ID: CRCP-WisianW1-045
Lab Order: 1202430	Collection Date: 2/15/2012 11:35:00 AM
Project: Colorado River Corridor - Groundwater	Matrix: GROUNDWATER
Lab ID: 1202430-004	Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	0.346	0.200		mg/L	1	2/17/2012 1:10:38 PM
Magnesium	< 0.200	0.200		mg/L	1	2/17/2012 1:10:38 PM
Potassium	< 0.200	0.200		mg/L	1	2/17/2012 1:10:38 PM
Sodium	< 0.600	0.600		mg/L	1	2/17/2012 1:10:38 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	< 1.00	1.00		mg/L	1	2/16/2012 2:19:00 AM
Fluoride	0.059	0.010		mg/L	1	2/16/2012 2:19:00 AM
Nitrogen, Nitrate (As N)	0.025	0.010		mg/L	1	2/16/2012 2:19:00 AM
Sulfate	< 1.00	1.00		mg/L	1	2/16/2012 2:19:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO3)	3	2	A	mg/L CaCO3	1	2/17/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-WisianW2-040
Lab Order:	1202430	Collection Date:	2/15/2012 12:15:00 PM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202430-005	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	83.9	0.200		mg/L	1	2/17/2012 1:16:07 PM
Magnesium	10.2	0.200		mg/L	1	2/17/2012 1:16:07 PM
Potassium	2.46	0.200		mg/L	1	2/17/2012 1:16:07 PM
Sodium	115	0.600		mg/L	1	2/17/2012 1:16:07 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	14.2	1.00		mg/L	1	2/16/2012 2:36:00 AM
Fluoride	0.142	0.010		mg/L	1	2/16/2012 2:36:00 AM
Nitrogen, Nitrate (As N)	12.5	0.100	X	mg/L	10	2/16/2012 11:50:00 AM
Sulfate	36.2	1.00		mg/L	1	2/16/2012 2:36:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	400	2	A	mg/L CaCO ₃	1	2/17/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	1.8	1.0		mg/L	1	2/17/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-58522-040
Lab Order:	1202430	Collection Date:	2/15/2012 1:50:00 PM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202430-006	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	111	0.200		mg/L	1	2/17/2012 1:24:06 PM
Magnesium	32.1	0.200		mg/L	1	2/17/2012 1:24:06 PM
Potassium	1.98	0.200		mg/L	1	2/17/2012 1:24:06 PM
Sodium	73.8	0.600		mg/L	1	2/17/2012 1:24:06 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	99.6	5.00		mg/L	5	2/16/2012 12:06:00 PM
Fluoride	0.253	0.010		mg/L	1	2/16/2012 2:53:00 AM
Nitrogen, Nitrate (As N)	3.36	0.050		mg/L	5	2/16/2012 12:06:00 PM
Sulfate	81.2	5.00		mg/L	5	2/16/2012 12:06:00 PM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO3)	259	2	A	mg/L CaCO3	1	2/17/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	1.9	1.0		mg/L	1	2/17/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 22-Feb-12

CLIENT: URS Corporation

Client Sample ID: CRCP-221049-040

Lab Order: 1202430

Collection Date: 2/15/2012 2:45:00 PM

Project: Colorado River Corridor - Groundwater

Matrix: GROUNDWATER

Lab ID: 1202430-007

Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	92.7	0.200		mg/L	1	2/17/2012 1:31:55 PM
Magnesium	10.9	0.200		mg/L	1	2/17/2012 1:31:55 PM
Potassium	1.80	0.200		mg/L	1	2/17/2012 1:31:55 PM
Sodium	30.0	0.600		mg/L	1	2/17/2012 1:31:55 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	14.2	1.00		mg/L	1	2/16/2012 3:10:00 AM
Fluoride	0.264	0.010		mg/L	1	2/16/2012 3:10:00 AM
Nitrogen, Nitrate (As N)	13.6	0.100	X	mg/L	10	2/16/2012 12:23:00 PM
Sulfate	18.5	1.00		mg/L	1	2/16/2012 3:10:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	290	2	A	mg/L CaCO ₃	1	2/17/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/17/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/16/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	7.1	1.0		mg/L	1	2/17/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1202430

CASE NARRATIVE

Analytical Comments for METHOD E200.7, SAMPLE 1202430-003BLFM, Batch R88601B: The calcium and sodium LFM recoveries were not reported because the spike amount was less than 30 percent of the sample background concentration.

Analytical Comments for METHOD E200.7, SAMPLE 1202430-003BLFMD, Batch R88601B: The calcium and sodium LFMD recoveries were not reported because the spike amount was less than 30 percent of the sample background concentration.

Analytical Comments for METHOD E300.0, SAMPLE 1202430-005A, Batch R88582A: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1202430-007A, Batch R88582A: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

CLIENT: URS Corporation
 Work Order: 1202430
 Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88554D

Sample ID: 1202430-007ALFM	SampType: LFM	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88554						
Client ID: CRCP-221049-040	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2993152						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	35.2	1.00	20.00	14.22	105	80	120				
Fluoride	1.29	0.010	1.000	0.2640	102	80	120				
Sulfate	39.6	1.00	20.00	18.53	105	80	120				

Sample ID: 1202430-007ALFMD	SampType: LFMD	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88554						
Client ID: CRCP-221049-040	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2993153						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	35.2	1.00	20.00	14.22	105	0	2000	35.23	0.0204	20	
Fluoride	1.29	0.010	1.000	0.2640	102	0	2000	1.285	0	20	
Sulfate	39.6	1.00	20.00	18.53	105	0	2000	39.60	0.0470	20	

Sample ID: IC_120215_LFB	SampType: LFB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88554						
Client ID: ZZZZZZ	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2993154						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	31.5	1.00	30.00	0	105	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.04	0.010	1.000	0	104	90	110				
Sulfate	31.4	1.00	30.00	0	105	90	110				

Sample ID: IC_120215_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88554						
Client ID: ZZZZZZ	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2993155						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	31.4	1.00	30.00	0	105	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.04	0.010	1.000	0	104	90	110				

Qualifiers: A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88554D

Sample ID: IC_120215_IPC	SampType: IPC	TestCode: 300_48H		Units: mg/L	Prep Date:				RunNo: 88554		
Client ID: ZZZZZZ	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012				SeqNo: 2993155			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	31.4	1.00	30.00	0	105	90	110				

Sample ID: IC_120215_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88554						
Client ID: ZZZZZZ	Batch ID: R88554D	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2993156						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88579

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88579						
Client ID: PBW	Batch ID: R88579	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994294						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.0	1.0									

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88579						
Client ID: LCSW	Batch ID: R88579	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994295						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	90.0	20.0	100.0	0	90.0	80	120				

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88579						
Client ID: LCSS02	Batch ID: R88579	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994296						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	90.0	20.0	100.0	0	90.0	0	2000	90.00	0	20	

Sample ID: 1202423-006ADUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88579						
Client ID: ZZZZZZ	Batch ID: R88579	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994302						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	11400	1000						11300	0.881	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88580

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88580						
Client ID: PBW	Batch ID: R88580	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994308						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	< 1.0	1.0									

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88580						
Client ID: LCSW	Batch ID: R88580	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994309						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	92.0	20.0	100.0	0	92.0	80	120				

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88580						
Client ID: LCSS02	Batch ID: R88580	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994310						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	84.0	20.0	100.0	0	84.0	0	2000	92.00	9.09	20	

Sample ID: 1202473-002BDUP	SampType: DUP	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88580						
Client ID: ZZZZZZ	Batch ID: R88580	TestNo: SM2540D		Analysis Date: 2/17/2012	SeqNo: 2994321						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	270	50.0						286.0	5.76	20	

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88582A

Sample ID: IC_120216_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88582						
Client ID: ZZZZZZ	Batch ID: R88582A	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2994439						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Sample ID: IC_120216_IPC												SampType: IPC		TestCode: 300_48H		Units: mg/L		Prep Date:			RunNo: 88582		
Client ID: ZZZZZZ				Batch ID: R88582A				TestNo: E300.0				Analysis Date: 2/16/2012				SeqNo: 2994440							
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual										

Chloride	31.5	1.00	30.00	0	105	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110				
Sulfate	31.5	1.00	30.00	0	105	90	110				

Sample ID: 1202451-001ALFM		SampType: LFM		TestCode: 300_48H_DW			Units: mg/L		Prep Date:		RunNo: 88582		
Client ID: ZZZZZZ		Batch ID: R88582A		TestNo: E300.0					Analysis Date: 2/16/2012		SeqNo: 2994453		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	241	5.00	100.0	140.5	100	80	120				
Fluoride	5.46	0.050	5.000	0.3150	103	80	120				
Sulfate	196	5.00	100.0	86.22	110	80	120				

Sample ID: 1202451-001ALFMD	SampType: LFMD	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 88582						
Client ID: ZZZZZZ	Batch ID: R88582A	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2994454						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	241	5.00	100.0	140.5	100	0	2000	240.6	0.0769	20	
Fluoride	5.47	0.050	5.000	0.3150	103	0	2000	5.455	0.275	20	
Sulfate	196	5.00	100.0	86.22	110	0	2000	195.8	0.00511	20	

Qualifiers:	A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
	H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
	S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88582A

Sample ID: IC_120216_LFB	SampType: LFB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 88582						
Client ID: ZZZZZZ	Batch ID: R88582A	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2994455						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	31.8	1.00	30.00	0	106	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.04	0.010	1.000	0	104	90	110				
Sulfate	31.7	1.00	30.00	0	106	90	110				

Sample ID: IC_120216_IPC	SampType: IPC	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 88582						
Client ID: ZZZZZZ	Batch ID: R88582A	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2994456						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	31.8	1.00	30.00	0	106	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.04	0.010	1.000	0	104	90	110				
Sulfate	31.6	1.00	30.00	0	105	90	110				

Sample ID: IC_120216_LRB	SampType: LRB	TestCode: 300_48H_DW	Units: mg/L	Prep Date:	RunNo: 88582						
Client ID: ZZZZZZ	Batch ID: R88582A	TestNo: E300.0		Analysis Date: 2/16/2012	SeqNo: 2994457						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:	A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
	H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
	S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88597M

Sample ID: 1202431-002CMS	SampType: MS	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88597						
Client ID: ZZZZZZ	Batch ID: R88597M	TestNo: E350.1		Analysis Date: 2/16/2012	SeqNo: 2995149						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.39	0.020	1.000	0.4374	95.4	90	110				

Sample ID: NH3_LFB13	SampType: LFB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88597						
Client ID: ZZZZZZ	Batch ID: R88597M	TestNo: E350.1		Analysis Date: 2/16/2012	SeqNo: 2995150						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.971	0.020	1.000	0	97.1	90	110				

Sample ID: NH3_LRB13	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88597						
Client ID: ZZZZZZ	Batch ID: R88597M	TestNo: E350.1		Analysis Date: 2/16/2012	SeqNo: 2995152						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Qualifiers:
A Not Available for Accreditation
H Holding Time Exceeded
S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
N Not Accredited
X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88601B

Sample ID: 1202430-003BLFM	SampType: LFM	TestCode: 200.7		Units: mg/L		Prep Date: 2/16/2012			RunNo: 88601		
Client ID: CRCP-WisianW1-04	Batch ID: R88601B	TestNo: E200.7					Analysis Date: 2/17/2012			SeqNo: 2995313	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	20.2	0.200	10.00	10.78	94.1	70	130				
Potassium	13.3	0.200	10.00	2.886	105	70	130				

Sample ID: 1202430-003BLFMD	SampType: LFMD	TestCode: 200.7		Units: mg/L		Prep Date: 2/16/2012			RunNo: 88601		
Client ID: CRCP-WisianW1-04	Batch ID: R88601B	TestNo: E200.7					Analysis Date: 2/17/2012			SeqNo: 2995314	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	20.0	0.200	10.00	10.78	92.7	0	2000	20.19	0.696	20	
Potassium	13.1	0.200	10.00	2.886	103	0	2000	13.34	1.43	20	

Sample ID: CCB3		SampType: CCB		TestCode: 200.7		Units: mg/L		Prep Date:		RunNo: 88601													
Client ID: CCB		Batch ID: R88601B		TestNo: E200.7				Analysis Date: 2/17/2012		SeqNo: 2995319													
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual	
Calcium		< 0.200		0.200																			
Magnesium		< 0.200		0.200																			
Potassium		< 0.200		0.200																			
Sodium		< 0.600		0.600																			

Sample ID: IPC3	SampType: IPC	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 88601						
Client ID: ZZZZZZ	Batch ID: R88601B	TestNo: E200.7		Analysis Date: 2/17/2012	SeqNo: 2995320						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	95.4	0.200	100.0	0	95.4	90	110				
Magnesium	97.0	0.200	100.0	0	97.0	90	110				
Potassium	98.7	0.200	100.0	0	98.7	90	110				
Sodium	97.5	0.600	100.0	0	97.5	90	110				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202430
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88619

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 88619						
Client ID: PBW	Batch ID: R88619	TestNo: SM2320 B		Analysis Date: 2/17/2012	SeqNo: 2996012						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 88619						
Client ID: PBW	Batch ID: R88619	TestNo: SM2320 B		Analysis Date: 2/17/2012	SeqNo: 2996038						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1202256-002ADUP	SampType: DUP	TestCode: ALK_DW	Units: mg/L CaCO3	Prep Date:	RunNo: 88619						
Client ID: ZZZZZZ	Batch ID: R88619	TestNo: SM2320 B		Analysis Date: 2/17/2012	SeqNo: 2996016						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2						0	0	0	A
Alkalinity, Carbonate (As CaCO3)	65	2						66.70	2.03	0	A

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits



LCRA ENVIRONMENTAL LABORATORY SERVICES (ELS) CHAIN OF CUSTODY RECORD

Target Due Date: 9/29/12
Work Order No.: 808430
COC No.: 111295
Page 1 of 1

NOTE: Relinquishing sample(s) to ELS obligates the submitter to all Standard Terms and Conditions stated on the back of this form.

Results To: Kevin Pasternak 9400 Amberglens Blvd Austin, TX 78729
Bill To: Travis County - Colorado River Corridor Plan
Phone No.: 5124544797 Fax No.: 5124548807 Method of Transport: Hand Delivered TAT Requested: Normal Working days E-mail: kevin.pasternak@els.com
Relinquished By: Kevin Date: 7/15/12 Time: 1515 Received By: _____ Date: _____ Time: _____ Relinquished By: _____ Date: _____ Time: _____

Report Requirements
☒ Hardcopy ☒ E-mail ☐ Fax
☐ EDD (Generic)

Regulatory Requirements
☒ None ☐ NELAP

Received at ELS By: Kevin Date: 7/15/12 Time: 1515
☒ Received on Ice Temp: 6.0°C (GT 4)
Login Review: _____ Date: 7/16/12

ELS Mgmt. Approval for RUSH: _____
Surcharge for RUSH: _____ %

ELS ID:	SAMPLE DESCRIPTION Custody Seals (circle): Cooler Bottles <u>None</u>	MATRIX	SAMPLE COLLECTION		CONTAINERS			ANALYSIS REQUESTED - Place an "x" in the box below to indicate request.												
			DATE	TIME	NUMBER	SIZE	TYPE	E350.1	E300.0	E200.7	5M2540D									PRESERVATIVES
001	CRCP-ATF1-040	W	7/15/12	0920	4	1/4	Plastic	X	X	X	X								HNO ₃ H ₂ SO ₄	
002	CRCP-5852213-040			1020																
003	CRCP-Wisiam W1-040			1120																
004	CRCP-Wisiam W1-045			1135	3			X	X	X										
005	CRCP-Wisiam W2-040			1215	4			X	X	X	X									
006	CRCP-58522-040			1350																
007	CRCP-221049-040	✓	✓	1445	✓	✓	✓	✓	✓	✓	✓								✓	

Special Instructions: _____
ELS Comments: Cooler 113

LCRA Environmental Laboratory Services

REMIT TO: Lower Colorado River Authority
P. O. Box 200870
Houston, Texas 77216-0870
TEL: (512) 356-6022

INVOICE

DATE: February 27, 2012

Invoice No: LB92199
Customer No: 000000

Invoice TO: Environmental and Regulatory Affairs
Mail Stop: EL-101
3505 Montopolis Drive
Austin, TX 78744

PO Number:
2282009

Attn: Alicia C. Gill
Phone: (512) 356-6022

Work Order: 1202474 Order Name Colorado River Corridor - Grou Date Received 2/16/2012

Item	Remarks	Matrix	Qty	Mult	Quoted	Test Total
ALKALINITY	HCO3,CO3	Aqueous	5	1	\$24.00	\$120.00
AMMONIA as N	Ammonia-N	Aqueous	5	1	\$15.00	\$75.00
ANIONS by ION CHROMATOGRAPHY	Cl,F,NO3,SO4	Aqueous	5	1	\$72.00	\$360.00
AQPREP TOTAL RECOVERABLE METALS: I	Prep Ca,Mg,Na,	Aqueous	5	1	\$15.00	\$75.00
ICP METALS, TOTAL RECOVERABLE	Ca,Mg,Na,K	Aqueous	5	1	\$48.00	\$240.00
TOTAL SUSPENDED SOLIDS	TSS	Aqueous	5	1	\$12.00	\$60.00

Subtotal: \$930.00

Misc Charges: \$0.00

INVOICE Total: \$930.00

This is an internal billing for your records. Please do not forward to Accounts Payable.



February 27, 2012

Kevin Pasternak
URS Corporation
9400 Amberglen Blvd
Austin, TX 78729

TEL: (512) 419-5293
FAX

RE: Colorado River Corridor - Groundwater

COC ID.: 111339

Order No.: 1202474

Dear Kevin Pasternak:

On 2/16/2012, LCRA Environmental Laboratory Services (ELS) received 5 sample(s) for analyses under Lab Order No. 1202474. This final report provides results related only to the sample(s) as received for the above referenced lab order number.

ELS is accredited under the National Environmental Laboratory Accreditation Program (NELAP) and certifies that all reported results meet NELAP requirements, unless otherwise noted. The Case Narrative provides explanations for any deviations, additions to, or exclusions from the method requirements.

This report contains a total of 17 pages (including the cover letter) and may not be reproduced, except in full, without written approval from ELS.

Thank you for selecting ELS for your analytical needs. If you have questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Sincerely,

Tess Abbott
Project Manager

Certificate: T104704218-11-5



CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1202474

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
1202474-001A	CRCP-Buchheit-40		2/16/2012 8:50:00 AM	2/16/2012 12:20:00 PM
1202474-001B	CRCP-Buchheit-40		2/16/2012 8:50:00 AM	2/16/2012 12:20:00 PM
1202474-001C	CRCP-Buchheit-40		2/16/2012 8:50:00 AM	2/16/2012 12:20:00 PM
1202474-001D	CRCP-Buchheit-40		2/16/2012 8:50:00 AM	2/16/2012 12:20:00 PM
1202474-002A	CRCP-Holweger-043		2/16/2012 9:35:00 AM	2/16/2012 12:20:00 PM
1202474-002B	CRCP-Holweger-043		2/16/2012 9:35:00 AM	2/16/2012 12:20:00 PM
1202474-002C	CRCP-Holweger-043		2/16/2012 9:35:00 AM	2/16/2012 12:20:00 PM
1202474-002D	CRCP-Holweger-043		2/16/2012 9:35:00 AM	2/16/2012 12:20:00 PM
1202474-003A	CRCP-5852314-040		2/16/2012 10:20:00 AM	2/16/2012 12:20:00 PM
1202474-003B	CRCP-5852314-040		2/16/2012 10:20:00 AM	2/16/2012 12:20:00 PM
1202474-003C	CRCP-5852314-040		2/16/2012 10:20:00 AM	2/16/2012 12:20:00 PM
1202474-003D	CRCP-5852314-040		2/16/2012 10:20:00 AM	2/16/2012 12:20:00 PM
1202474-004A	CRCP-NTNW2-040		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-004B	CRCP-NTNW2-040		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-004C	CRCP-NTNW2-040		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-004D	CRCP-NTNW2-040		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-005A	CRCP-NTNW2-041		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-005B	CRCP-NTNW2-041		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-005C	CRCP-NTNW2-041		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM
1202474-005D	CRCP-NTNW2-041		2/16/2012 11:45:00 AM	2/16/2012 12:20:00 PM

Final Analysis Report

LCRA Environmental Laboratory Services

Date: 27-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-Buchheit-40
Lab Order:	1202474	Collection Date:	2/16/2012 8:50:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202474-001	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	120	0.200		mg/L	1	2/20/2012 11:38:14 AM
Magnesium	11.4	0.200		mg/L	1	2/20/2012 11:38:14 AM
Potassium	2.39	0.200		mg/L	1	2/20/2012 11:38:14 AM
Sodium	61.5	0.600		mg/L	1	2/20/2012 11:38:14 AM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	37.6	1.00		mg/L	1	2/16/2012 11:53:00 PM
Fluoride	0.381	0.010		mg/L	1	2/16/2012 11:53:00 PM
Nitrogen, Nitrate (As N)	4.02	0.050		mg/L	5	2/17/2012 1:51:00 AM
Sulfate	84.3	5.00		mg/L	5	2/17/2012 1:51:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	312	2	A	mg/L CaCO ₃	1	2/23/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/23/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/23/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.1	1.1		mg/L	1.1	2/21/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 27-Feb-12

CLIENT: URS Corporation

Client Sample ID: CRCP-Holweger-043

Lab Order: 1202474

Collection Date: 2/16/2012 9:35:00 AM

Project: Colorado River Corridor - Groundwater

Matrix: GROUNDWATER

Lab ID: 1202474-002

Tag No:

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	105	0.200		mg/L	1	2/20/2012 11:46:01 AM
Magnesium	15.5	0.200		mg/L	1	2/20/2012 11:46:01 AM
Potassium	1.99	0.200		mg/L	1	2/20/2012 11:46:01 AM
Sodium	44.0	0.600		mg/L	1	2/20/2012 11:46:01 AM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	17.7	1.00		mg/L	1	2/17/2012 12:10:00 AM
Fluoride	0.296	0.010		mg/L	1	2/17/2012 12:10:00 AM
Nitrogen, Nitrate (As N)	16.5	0.250	X	mg/L	25	2/17/2012 6:59:00 PM
Sulfate	26.1	1.00		mg/L	1	2/17/2012 12:10:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO3)	289	2	A	mg/L CaCO3	1	2/23/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/23/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/23/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	2/21/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 27-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-5852314-040
Lab Order:	1202474	Collection Date:	2/16/2012 10:20:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202474-003	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	134	0.200		mg/L	1	2/20/2012 12:10:17 PM
Magnesium	38.9	0.200		mg/L	1	2/20/2012 12:10:17 PM
Potassium	2.12	0.200		mg/L	1	2/20/2012 12:10:17 PM
Sodium	94.5	0.600		mg/L	1	2/20/2012 12:10:17 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	63.8	1.00		mg/L	1	2/17/2012 12:26:00 AM
Fluoride	0.259	0.010		mg/L	1	2/17/2012 12:26:00 AM
Nitrogen, Nitrate (As N)	11.0	0.050	X	mg/L	5	2/17/2012 2:24:00 AM
Sulfate	207	5.00		mg/L	5	2/17/2012 2:24:00 AM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO3)	349	2	A	mg/L CaCO3	1	2/23/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/23/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/23/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	2.1	1.0		mg/L	1	2/21/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 27-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-NTNW2-040
Lab Order:	1202474	Collection Date:	2/16/2012 11:45:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202474-004	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	202	0.200		mg/L	1	2/20/2012 12:18:20 PM
Magnesium	63.8	0.200		mg/L	1	2/20/2012 12:18:20 PM
Potassium	2.42	0.200		mg/L	1	2/20/2012 12:18:20 PM
Sodium	52.6	0.600		mg/L	1	2/20/2012 12:18:20 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	44.9	1.00		mg/L	1	2/17/2012 12:43:00 AM
Fluoride	0.348	0.010		mg/L	1	2/17/2012 12:43:00 AM
Nitrogen, Nitrate (As N)	34.7	0.250	X	mg/L	25	2/17/2012 7:15:00 PM
Sulfate	364	5.00		mg/L	5	2/16/2012 9:38:00 PM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO3)	337	2	A	mg/L CaCO3	1	2/23/2012
Alkalinity, Carbonate (As CaCO3)	< 2	2	A	mg/L CaCO3	1	2/23/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	0.027	0.020		mg/L	1	2/23/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	2/21/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

LCRA Environmental Laboratory Services

Date: 27-Feb-12

CLIENT:	URS Corporation	Client Sample ID:	CRCP-NTNW2-041
Lab Order:	1202474	Collection Date:	2/16/2012 11:45:00 AM
Project:	Colorado River Corridor - Groundwater	Matrix:	GROUNDWATER
Lab ID:	1202474-005	Tag No:	

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, TOTAL RECOVERABLE		E200.7		Analyst: MV		
Calcium	196	0.200		mg/L	1	2/20/2012 12:26:25 PM
Magnesium	63.5	0.200		mg/L	1	2/20/2012 12:26:25 PM
Potassium	2.43	0.200		mg/L	1	2/20/2012 12:26:25 PM
Sodium	55.4	0.600		mg/L	1	2/20/2012 12:26:25 PM
ANIONS BY ION CHROMATOGRAPHY		E300.0		Analyst: WR		
Chloride	44.9	1.00		mg/L	1	2/17/2012 1:00:00 AM
Fluoride	0.346	0.010		mg/L	1	2/17/2012 1:00:00 AM
Nitrogen, Nitrate (As N)	30.4	0.250	X	mg/L	25	2/17/2012 7:32:00 PM
Sulfate	365	5.00		mg/L	5	2/16/2012 9:55:00 PM
ALKALINITY		SM2320 B		Analyst: KH		
Alkalinity, Bicarbonate (As CaCO ₃)	342	2	A	mg/L CaCO ₃	1	2/23/2012
Alkalinity, Carbonate (As CaCO ₃)	< 2	2	A	mg/L CaCO ₃	1	2/23/2012
AMMONIA AS N		E350.1		Analyst: JB		
Nitrogen, Ammonia (As N)	< 0.020	0.020		mg/L	1	2/23/2012
TOTAL SUSPENDED SOLIDS		SM2540D		Analyst: JB		
Suspended Solids (Residue, Non-Filterable)	< 1.0	1.0		mg/L	1	2/21/2012

Qualifiers:

A Not Available for Accreditation
 E Value Above Quantitation Range
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

B Analyte Detected in Method Blank
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

PQL: Practical Quantitation Limit

Values Below PQL Considered Estimated

CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1202474

CASE NARRATIVE

Analytical Comments for METHOD E300.0, SAMPLE 1202474-002A, Batch R88624B: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1202474-003A, Batch R88582: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1202474-004A, Batch R88624B: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E300.0, SAMPLE 1202474-005A, Batch R88624B: The nitrate MCL of 10 mg/L has been exceeded under the EPA National Primary Drinking Water Standards.

Analytical Comments for METHOD E200.7, SAMPLE 1202474-002BLFM, Batch R88637A: The calcium and sodium LFM recoveries were not reported because the spike amount was less than 30 percent of the sample background concentration.

Analytical Comments for METHOD E200.7, SAMPLE 1202474-002BLFMD, Batch R88637A: The calcium and sodium LFMD recoveries were not reported because the spike amount was less than 30 percent of the sample background concentration.

CLIENT: URS Corporation
 Work Order: 1202474
 Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88582

Sample ID: 1202474-005ALFM		SampType: LFM		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 88582	
Client ID: CRCP-NTNW2-041		Batch ID: R88582		TestNo: E300.0		Analysis Date: 2/17/2012		SeqNo: 2994498			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	63.3	1.00	20.00	40.02	117	80	120				
Fluoride	1.34	0.010	1.000	0.3200	102	80	120				

Sample ID: 1202474-005ALFMD		SampType: LFMD		TestCode: 300_48H		Units: mg/L		Prep Date:		RunNo: 88582	
Client ID: CRCP-NTNW2-041		Batch ID: R88582		TestNo: E300.0		Analysis Date: 2/17/2012		SeqNo: 2994499			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	63.3	1.00	20.00	40.02	116	0	2000	63.32	0.0284	20	
Fluoride	1.34	0.010	1.000	0.3200	102	0	2000	1.337	0.373	20	

Qualifiers:

A Not Available for Accreditation
 H Holding Time Exceeded
 S Spike Recovery Outside Recovery Limits

B Analyte Detected in Method Blank
 N Not Accredited
 X Value Exceeds Maximum Contaminant Level (MCL)

E Value Above Quantitation Range
 R RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88624B

Sample ID: 1202474-002ALFM	SampType: LFM	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: CRCP-Holweger-043	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996130						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	534	25.0	500.0	12.93	104	80	120				
Fluoride	26.4	0.250	25.00	0	106	80	120				
Nitrogen, Nitrate (As N)	42.1	0.250	25.00	16.54	102	80	120				
Sulfate	544	25.0	500.0	22.98	104	80	120				

Sample ID: 1202474-002ALFMD	SampType: LFMD	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: CRCP-Holweger-043	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996131						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	534	25.0	500.0	12.93	104	0	2000	534.1	0.0131	20	
Fluoride	26.4	0.250	25.00	0	106	0	2000	26.44	0.0946	20	
Nitrogen, Nitrate (As N)	42.1	0.250	25.00	16.54	102	0	2000	42.06	0.0178	20	
Sulfate	544	25.0	500.0	22.98	104	0	2000	543.6	0.0464	20	

Sample ID: IC_120217_LFB	SampType: LFB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: ZZZZZZ	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.8	1.00	30.00	0	103	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.03	0.010	1.000	0	103	90	110				
Sulfate	31.1	1.00	30.00	0	104	90	110				

Sample ID: IC_120217_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: ZZZZZZ	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloride	30.8	1.00	30.00	0	103	90	110				
Fluoride	1.03	0.010	1.000	0	103	90	110				
Nitrogen, Nitrate (As N)	1.04	0.010	1.000	0	104	90	110				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88624B

Sample ID: IC_120217_IPC	SampType: IPC	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: ZZZZZZ	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sulfate	31.1	1.00	30.00	0	104	90	110				

Sample ID: IC_120217_LRB	SampType: LRB	TestCode: 300_48H	Units: mg/L	Prep Date:	RunNo: 88624						
Client ID: ZZZZZZ	Batch ID: R88624B	TestNo: E300.0		Analysis Date: 2/17/2012	SeqNo: 2996134						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.00	1.00									
Fluoride	< 0.010	0.010									
Nitrogen, Nitrate (As N)	< 0.010	0.010									
Sulfate	< 1.00	1.00									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88637A

Sample ID: LFB-29387	SampType: LFB	TestCode: 200.7	Units: mg/L	Prep Date: 2/17/2012	RunNo: 88637						
Client ID: ZZZZZZ	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996545						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	9.95	0.200	10.00	0	99.5	85	115				
Magnesium	9.20	0.200	10.00	0	92.0	85	115				
Potassium	9.77	0.200	10.00	0	97.7	85	115				
Sodium	10.4	0.600	10.00	0	104	85	115				

Sample ID: LFB-29387	SampType: LFB	TestCode: 200.7	Units: mg/L	Prep Date: 2/17/2012	RunNo: 88637						
Client ID: ZZZZZZ	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996546						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	10.0	0.200	10.00	0	100	0	2000	9.952	0.646	20	
Magnesium	9.32	0.200	10.00	0	93.2	0	2000	9.205	1.22	20	
Potassium	9.91	0.200	10.00	0	99.1	0	2000	9.771	1.43	20	
Sodium	10.6	0.600	10.00	0	106	0	2000	10.37	1.94	20	

Sample ID: LRB-29387	SampType: LRB	TestCode: 200.7	Units: mg/L	Prep Date: 2/17/2012	RunNo: 88637						
Client ID: ZZZZZZ	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996547						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Sample ID: 1202474-002BLFM	SampType: LFM	TestCode: 200.7	Units: mg/L	Prep Date: 2/17/2012	RunNo: 88637						
Client ID: CRCP-Holweger-043	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996552						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Magnesium	24.8	0.200	10.00	15.48	93.6	70	130				
Potassium	12.6	0.200	10.00	1.995	106	70	130				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank	E	Value Above Quantitation Range
H	Holding Time Exceeded	N	Not Accredited	R	RPD Outside Recovery Limits
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)		

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88637A

Sample ID: 1202474-002BLFMD		SampType: LFMD		TestCode: 200.7		Units: mg/L		Prep Date: 2/17/2012		RunNo: 88637		
Client ID: CRCP-Holweger-043		Batch ID: R88637A		TestNo: E200.7				Analysis Date: 2/20/2012		SeqNo: 2996553		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium		25.0	0.200	10.00	15.48	94.8	0	2000	24.84	0.481	20	
Potassium		12.7	0.200	10.00	1.995	107	0	2000	12.63	0.766	20	

Sample ID: CCB2	SampType: CCB	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 88637						
Client ID: CCB	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996558						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	< 0.200	0.200									
Magnesium	< 0.200	0.200									
Potassium	< 0.200	0.200									
Sodium	< 0.600	0.600									

Sample ID: IPC2	SampType: IPC	TestCode: 200.7	Units: mg/L	Prep Date:	RunNo: 88637						
Client ID: ZZZZZZ	Batch ID: R88637A	TestNo: E200.7		Analysis Date: 2/20/2012	SeqNo: 2996559						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	96.5	0.200	100.0	0	96.5	90	110				
Magnesium	96.2	0.200	100.0	0	96.2	90	110				
Potassium	106	0.200	100.0	0	106	90	110				
Sodium	109	0.600	100.0	0	109	90	110				

Qualifiers:	A Not Available for Accreditation	B Analyte Detected in Method Blank	E Value Above Quantitation Range
	H Holding Time Exceeded	N Not Accredited	R RPD Outside Recovery Limits
	S Spike Recovery Outside Recovery Limits	X Value Exceeds Maximum Contaminant Level (MCL)	

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88648

Sample ID: MBLK	SampType: MBLK	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88648						
Client ID: PBW	Batch ID: R88648	TestNo: SM2540D		Analysis Date: 2/21/2012	SeqNo: 2996796						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) < 1.0 1.0

Sample ID: LCS	SampType: LCS	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88648						
Client ID: LCSW	Batch ID: R88648	TestNo: SM2540D		Analysis Date: 2/21/2012	SeqNo: 2996797						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 98.0 20.0 100.0 0 98.0 80 120

Sample ID: LCSD	SampType: LCSD	TestCode: TSS_SM	Units: mg/L	Prep Date:	RunNo: 88648						
Client ID: LCSS02	Batch ID: R88648	TestNo: SM2540D		Analysis Date: 2/21/2012	SeqNo: 2996798						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) 100 20.0 100.0 0 100 0 2000 98.00 2.02 20

Sample ID: 1202474-002DDUP		SampType: DUP		TestCode: TSS_SM		Units: mg/L		Prep Date:			RunNo: 88648		
Client ID: CRCP-Holweger-043		Batch ID: R88648		TestNo: SM2540D		Analysis Date: 2/21/2012			SeqNo: 2996810				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Suspended Solids (Residue, Non-Filter) < 1.0 1.0 0 0 20

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88791

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 88791						
Client ID: PBW	Batch ID: R88791	TestNo: SM2320 B		Analysis Date: 2/23/2012	SeqNo: 3000736						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: Blank	SampType: MBLK	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 88791						
Client ID: PBW	Batch ID: R88791	TestNo: SM2320 B		Analysis Date: 2/23/2012	SeqNo: 3000737						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	< 2	2									A
Alkalinity, Carbonate (As CaCO3)	< 2	2									A

Sample ID: 1202474-002ADUP	SampType: DUP	TestCode: ALK	Units: mg/L CaCO3	Prep Date:	RunNo: 88791						
Client ID: CRCP-Holweger-043	Batch ID: R88791	TestNo: SM2320 B		Analysis Date: 2/23/2012	SeqNo: 3000741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	295	2						289.1	1.99	0	A
Alkalinity, Carbonate (As CaCO3)	< 2	2						0	0	0	A

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88810A

Sample ID: NH3_MBLK	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: ZZZZZZ	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001261						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Sample ID: NH3_IPC	SampType: IPC	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: ZZZZZZ	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001262						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.04	0.020	1.000	0	104	90	110				

Sample ID: NH3_QCS	SampType: ICV	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: ICV	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001263						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	1.03	0.020	1.000	0	103	90	110				

Sample ID: 1202474-002CMS	SampType: MS	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: CRCP-Holweger-043	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001275						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.999	0.020	1.000	0	99.9	90	110				

Sample ID: NH3_LFB1	SampType: LFB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: ZZZZZZ	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001276						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	0.975	0.020	1.000	0	97.5	90	110				

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

CLIENT: URS Corporation
Work Order: 1202474
Project: Colorado River Corridor - Groundwater

ANALYTICAL QC SUMMARY REPORT

BatchID: R88810A

Sample ID: NH3_LRB1	SampType: LRB	TestCode: NH3-N	Units: mg/L	Prep Date:	RunNo: 88810						
Client ID: ZZZZZZ	Batch ID: R88810A	TestNo: E350.1		Analysis Date: 2/23/2012	SeqNo: 3001278						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrogen, Ammonia (As N)	< 0.020	0.020									

Qualifiers:

A	Not Available for Accreditation	B	Analyte Detected in Method Blank
H	Holding Time Exceeded	N	Not Accredited
S	Spike Recovery Outside Recovery Limits	X	Value Exceeds Maximum Contaminant Level (MCL)

E	Value Above Quantitation Range
R	RPD Outside Recovery Limits

LCRA Environmental Laboratory Services

REMIT TO: Lower Colorado River Authority
P. O. Box 200870
Houston, Texas 77216-0870
TEL: (512) 356-6022

INVOICE

DATE: April 06, 2012

Invoice No: LB93337
Customer No: 000000

Invoice TO: Environmental and Regulatory Affairs
Mail Stop: EL-101
3505 Montopolis Drive
Austin, TX 78744

PO Number:
2282009

Attn: Alicia C. Gill
Phone: (512) 356-6022

Work Order: 1203826 Order Name Colorado River Corridor - Grou Date Received 3/26/2012

Item	Remarks	Matrix	Qty	Mult	Quoted	Test Total
ALKALINITY	HCO3,CO3	Aqueous	6	1	\$24.00	\$144.00
AMMONIA as N	Ammonia-N	Aqueous	6	1	\$15.00	\$90.00
ANIONS by ION CHROMATOGRAPHY	Cl,F,NO3,SO4	Aqueous	6	1	\$72.00	\$432.00
AQPREP TOTAL RECOVERABLE METALS: I	Prep Ca,Mg,Na,	Aqueous	6	1	\$15.00	\$90.00
ICP METALS, TOTAL RECOVERABLE	Ca,Mg,Na,K	Aqueous	6	1	\$48.00	\$288.00
TOTAL SUSPENDED SOLIDS	TSS	Aqueous	5	1	\$12.00	\$60.00

Subtotal: \$1,104.00

Misc Charges: \$0.00

INVOICE Total: \$1,104.00

This is an internal billing for your records. Please do not forward to Accounts Payable.



April 06, 2012

Kevin Pasternak
URS Corporation
9400 Amberglen Blvd
Austin, TX 78729

TEL: (512) 419-5293

FAX

RE: Colorado River Corridor - Groundwater

COC ID.: 112471

Order No.: 1203826

Dear Kevin Pasternak:

On 3/26/2012, LCRA Environmental Laboratory Services (ELS) received 6 sample(s) for analyses under Lab Order No. 1203826. This final report provides results related only to the sample(s) as received for the above referenced lab order number.

ELS is accredited under the National Environmental Laboratory Accreditation Program (NELAP) and certifies that all reported results meet NELAP requirements, unless otherwise noted. The Case Narrative provides explanations for any deviations, additions to, or exclusions from the method requirements.

This report contains a total of 19 pages (including the cover letter) and may not be reproduced, except in full, without written approval from ELS.

Thank you for selecting ELS for your analytical needs. If you have questions regarding this report, please contact us at (512) 356-6022. We look forward to assisting you again.

Sincerely,

Tess Abbott
Project Manager



T104704218-12-6

CLIENT: URS Corporation
Project: Colorado River Corridor - Groundwater
Lab Order: 1203826

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Date Collected	Date Received
1203826-001A	CRCP-WisianW1-050		3/26/2012 10:20:00 AM	3/26/2012 3:43:00 PM
1203826-001B	CRCP-WisianW1-050		3/26/2012 10:20:00 AM	3/26/2012 3:43:00 PM
1203826-001C	CRCP-WisianW1-050		3/26/2012 10:20:00 AM	3/26/2012 3:43:00 PM
1203826-001D	CRCP-WisianW1-050		3/26/2012 10:20:00 AM	3/26/2012 3:43:00 PM
1203826-002A	CRCP-WisianW2-050		3/26/2012 9:35:00 AM	3/26/2012 3:43:00 PM
1203826-002B	CRCP-WisianW2-050		3/26/2012 9:35:00 AM	3/26/2012 3:43:00 PM
1203826-002C	CRCP-WisianW2-050		3/26/2012 9:35:00 AM	3/26/2012 3:43:00 PM
1203826-002D	CRCP-WisianW2-050		3/26/2012 9:35:00 AM	3/26/2012 3:43:00 PM
1203826-003A	CRCP-5852213-050		3/26/2012 12:10:00 PM	3/26/2012 3:43:00 PM
1203826-003B	CRCP-5852213-050		3/26/2012 12:10:00 PM	3/26/2012 3:43:00 PM
1203826-003C	CRCP-5852213-050		3/26/2012 12:10:00 PM	3/26/2012 3:43:00 PM
1203826-003D	CRCP-5852213-050		3/26/2012 12:10:00 PM	3/26/2012 3:43:00 PM
1203826-004A	CRCP-WisianW1-055		3/26/2012 10:35:00 AM	3/26/2012 3:43:00 PM
1203826-004B	CRCP-WisianW1-055		3/26/2012 10:35:00 AM	3/26/2012 3:43:00 PM
1203826-004C	CRCP-WisianW1-055		3/26/2012 10:35:00 AM	3/26/2012 3:43:00 PM
1203826-005A	CRCP-5852314-050		3/26/2012 1:50:00 PM	3/26/2012 3:43:00 PM
1203826-005B	CRCP-5852314-050		3/26/2012 1:50:00 PM	3/26/2012 3:43:00 PM
1203826-005C	CRCP-5852314-050		3/26/2012 1:50:00 PM	3/26/2012 3:43:00 PM
1203826-005D	CRCP-5852314-050		3/26/2012 1:50:00 PM	3/26/2012 3:43:00 PM
1203826-006A	CRCP-Buchheit-050		3/26/2012 3:20:00 PM	3/26/2012 3:43:00 PM
1203826-006B	CRCP-Buchheit-050		3/26/2012 3:20:00 PM	3/26/2012 3:43:00 PM
1203826-006C	CRCP-Buchheit-050		3/26/2012 3:20:00 PM	3/26/2012 3:43:00 PM
1203826-006D	CRCP-Buchheit-050		3/26/2012 3:20:00 PM	3/26/2012 3:43:00 PM