APPENDIX B

Laboratory Analytical Reports

URS

TO: Kevin Pasternak

FROM: Carol Lovett, Austin QA/QC Group

PROJECT: Colorado River Corridor (CRC)

DATE: September 9, 2014

SUBJECT: Data Validation Summary for the August 2014 Sampling Event

I have completed the data review and validation of the August 2014 sampling event. This was a general review of the results that were reported from one laboratory: DHL Analytical, Round Rock, Texas. The quality control (QC) results that were submitted by the laboratory were reviewed to confirm that the analyses were performed according to method protocols and to assess the quality of the reported laboratory data.

The QC results indicate that the data are usable for the intended purposes. There were no anomalies and no results were qualified.

September 02, 2014

Kevin Pasternack
URS Corporation
9400 Amberglen Bldg E
Austin, Texas 78729
TEL: (512) 454-4797
FAX (512) 454-8807

Order No.: 1408222

RE: CRCP

Dear Kevin Pasternack:

DHL Analytical, Inc. received 7 sample(s) on 8/26/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-14-12

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 63340

CHAIN-OF-CUSTODY

CLIENT: URS Corp
ADDRESS: 9400 Amberglen Blvd
PHONE: 512-454-4797 FAX/E-MAIL: 512-454-8807
DATA REPORTED TO: Kevin.Pasternak@WS.com
ADDITIONAL REPORT COPIES TO:

DATE: 8/26/2014 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 1408222
PROJECT LOCATION OR NAME: CRCP
CLENT PROJECT #: 41010113.102 COLLECTOR: K. Pasternak & L. Rinehart

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ [METHOD 8021] | TPH 1005 ☒ TPH 1006 ☐ HOLD 1006 ☐ | GRO [METHOD 8015] ☐ DRO [METHOD 8105] ☐ | VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐ | 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐ | 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐ | 8321 HERB ☐ 8330 EXPL ☐ 8270 PERCHLORATE ☐ | METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐ | RCRA ☐ TX11 ☐ ☐ | PH ☐ HEX. CHROM ☐ ALKALINITY ☐ | CHLORIDE ☐ ANIONS ☐ | TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ | TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
CRCP-58522-120	01	8/26/14	1355	W	VOAs	3	X			X		X	
CRCP-221049-120	02	↓	1301	↓	↓	3	↓			↓		↓	
CRCP-Holweger-123	03		1215			3							MS/MSD
CRCP-5852314-120	04		1049			3							
CRCP-5852314-121	05		1049			3							
CRCP-ATF1-120	06		0945			3							
CRCP-NTNW2-120	07	↓	1008	↓	↓	3	↓			↓		↓	

TOTAL

RELINQUISHED BY: (Signature) DATE/TIME 8-26-14/1455 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

3

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ _____

LABORATORY USE ONLY:
RECEIVING TEMP: 5.9 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #: _____
☐ APC DELIVERY
☒ HAND DELIVERED

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name URS Corporation | Date Received: 8/26/2014

Work Order Number 1408222 | Received by JB

Checklist completed by: _____ (Signature) 8/26/2014 (Date) | Reviewed by _____ (Initials) 8/26/2014 (Date)

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	5.9 °C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Page 1 of 1

DHL Analytical, Inc. **Date:** *02-Sep-14*

CLIENT: URS Corporation
Project: CRCP
Lab Order: 1408222

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method Tx1005 - Total Petroleum Hydrocarbons

LOG IN

The samples were received and log-in performed on 8/26/14. A total of 7 samples were received. The samples arrived in good condition and were properly packaged. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT: URS Corporation
Project: CRCP
Lab Order: 1408222

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1408222-01	CRCP-58522-120		08/26/14 01:55 PM	8/26/2014
1408222-02	CRCP-221049-120		08/26/14 01:01 PM	8/26/2014
1408222-03	CRCP-Holweger-123		08/26/14 12:15 PM	8/26/2014
1408222-04	CRCP-5852314-120		08/26/14 10:49 AM	8/26/2014
1408222-05	CRCP-5852314-121		08/26/14 10:49 AM	8/26/2014
1408222-06	CRCP-ATF1-120		08/26/14 09:45 AM	8/26/2014
1408222-07	CRCP-NTNW2-120		08/26/14 10:08 AM	8/26/2014

Lab Order: 1408222
Client: URS Corporation
Project: CRCP

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1408222-01A	CRCP-58522-120	08/26/14 01:55 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-02A	CRCP-221049-120	08/26/14 01:01 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-03A	CRCP-Holweger-123	08/26/14 12:15 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-04A	CRCP-5852314-120	08/26/14 10:49 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-05A	CRCP-5852314-121	08/26/14 10:49 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-06A	CRCP-ATF1-120	08/26/14 09:45 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408222-07A	CRCP-NTNW2-120	08/26/14 10:08 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402

Lab Order: 1408222
Client: URS Corporation
Project: CRCP

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1408222-01A	CRCP-58522-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 10:41 AM	GC12_140902A
1408222-02A	CRCP-221049-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 10:49 AM	GC12_140902A
1408222-03A	CRCP-Holweger-123	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 10:58 AM	GC12_140902A
1408222-04A	CRCP-5852314-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 11:23 AM	GC12_140902A
1408222-05A	CRCP-5852314-121	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 11:31 AM	GC12_140902A
1408222-06A	CRCP-ATF1-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 11:40 AM	GC12_140902A
1408222-07A	CRCP-NTNW2-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 11:48 AM	GC12_140902A

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-58522-120
Project:	CRCP	**Lab ID:**	1408222-01
Project No:	41010113.102	**Collection Date:**	08/26/14 01:55 PM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.633	0.633	1.81		mg/L	1	09/02/14 10:41 AM
T/R Hydrocarbons: >C12-C28	<0.633	0.633	1.81		mg/L	1	09/02/14 10:41 AM
T/R Hydrocarbons: >C28-C35	<0.633	0.633	1.81		mg/L	1	09/02/14 10:41 AM
T/R Hydrocarbons: C6-C35	<0.633	0.633	1.81		mg/L	1	09/02/14 10:41 AM
Surr: Isopropylbenzene	82.0	0	70-130		%REC	1	09/02/14 10:41 AM
Surr: Octacosane	75.6	0	70-130		%REC	1	09/02/14 10:41 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-221049-120
Project:	CRCP	**Lab ID:**	1408222-02
Project No:	41010113.102	**Collection Date:**	08/26/14 01:01 PM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.705	0.705	2.01		mg/L	1	09/02/14 10:49 AM
T/R Hydrocarbons: >C12-C28	<0.705	0.705	2.01		mg/L	1	09/02/14 10:49 AM
T/R Hydrocarbons: >C28-C35	<0.705	0.705	2.01		mg/L	1	09/02/14 10:49 AM
T/R Hydrocarbons: C6-C35	<0.705	0.705	2.01		mg/L	1	09/02/14 10:49 AM
Surr: Isopropylbenzene	82.8	0	70-130		%REC	1	09/02/14 10:49 AM
Surr: Octacosane	76.2	0	70-130		%REC	1	09/02/14 10:49 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-Holweger-123
Project:	CRCP	**Lab ID:**	1408222-03
Project No:	41010113.102	**Collection Date:**	08/26/14 12:15 PM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.710	0.710	2.03		mg/L	1	09/02/14 10:58 AM
T/R Hydrocarbons: >C12-C28	<0.710	0.710	2.03		mg/L	1	09/02/14 10:58 AM
T/R Hydrocarbons: >C28-C35	<0.710	0.710	2.03		mg/L	1	09/02/14 10:58 AM
T/R Hydrocarbons: C6-C35	<0.710	0.710	2.03		mg/L	1	09/02/14 10:58 AM
Surr: Isopropylbenzene	84.8	0	70-130		%REC	1	09/02/14 10:58 AM
Surr: Octacosane	79.3	0	70-130		%REC	1	09/02/14 10:58 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-5852314-120
Project:	CRCP	**Lab ID:**	1408222-04
Project No:	41010113.102	**Collection Date:**	08/26/14 10:49 AM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.715	0.715	2.04		mg/L	1	09/02/14 11:23 AM
T/R Hydrocarbons: >C12-C28	<0.715	0.715	2.04		mg/L	1	09/02/14 11:23 AM
T/R Hydrocarbons: >C28-C35	<0.715	0.715	2.04		mg/L	1	09/02/14 11:23 AM
T/R Hydrocarbons: C6-C35	<0.715	0.715	2.04		mg/L	1	09/02/14 11:23 AM
Surr: Isopropylbenzene	87.0	0	70-130		%REC	1	09/02/14 11:23 AM
Surr: Octacosane	83.6	0	70-130		%REC	1	09/02/14 11:23 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-5852314-121
Project:	CRCP	**Lab ID:**	1408222-05
Project No:	41010113.102	**Collection Date:**	08/26/14 10:49 AM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.702	0.702	2.01		mg/L	1	09/02/14 11:31 AM
T/R Hydrocarbons: >C12-C28	<0.702	0.702	2.01		mg/L	1	09/02/14 11:31 AM
T/R Hydrocarbons: >C28-C35	<0.702	0.702	2.01		mg/L	1	09/02/14 11:31 AM
T/R Hydrocarbons: C6-C35	<0.702	0.702	2.01		mg/L	1	09/02/14 11:31 AM
Surr: Isopropylbenzene	86.1	0	70-130		%REC	1	09/02/14 11:31 AM
Surr: Octacosane	82.2	0	70-130		%REC	1	09/02/14 11:31 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-ATF1-120
Project:	CRCP	**Lab ID:**	1408222-06
Project No:	41010113.102	**Collection Date:**	08/26/14 09:45 AM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.705	0.705	2.01		mg/L	1	09/02/14 11:40 AM
T/R Hydrocarbons: >C12-C28	<0.705	0.705	2.01		mg/L	1	09/02/14 11:40 AM
T/R Hydrocarbons: >C28-C35	<0.705	0.705	2.01		mg/L	1	09/02/14 11:40 AM
T/R Hydrocarbons: C6-C35	<0.705	0.705	2.01		mg/L	1	09/02/14 11:40 AM
Surr: Isopropylbenzene	86.3	0	70-130		%REC	1	09/02/14 11:40 AM
Surr: Octacosane	82.8	0	70-130		%REC	1	09/02/14 11:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *02-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-NTNW2-120
Project:	CRCP	**Lab ID:**	1408222-07
Project No:	41010113.102	**Collection Date:**	08/26/14 10:08 AM
Lab Order:	1408222	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.694	0.694	1.98		mg/L	1	09/02/14 11:48 AM
T/R Hydrocarbons: >C12-C28	<0.694	0.694	1.98		mg/L	1	09/02/14 11:48 AM
T/R Hydrocarbons: >C28-C35	<0.694	0.694	1.98		mg/L	1	09/02/14 11:48 AM
T/R Hydrocarbons: C6-C35	<0.694	0.694	1.98		mg/L	1	09/02/14 11:48 AM
Surr: Isopropylbenzene	86.9	0	70-130		%REC	1	09/02/14 11:48 AM
Surr: Octacosane	83.4	0	70-130		%REC	1	09/02/14 11:48 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: URS Corporation
Work Order: 1408222
Project: CRCP

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140902A

The QC data in batch 65402 applies to the following samples: 1408222-01A, 1408222-02A, 1408222-03A, 1408222-04A, 1408222-05A, 1408222-06A, 1408222-07A

Sample ID **LCS-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **LCS** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 9:44:54 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	21.6	2.00	25.00	0	86.2	75	125			
Surr: Isopropylbenzene	2.16		2.500		86.2	70	130			
Surr: Octacosane	2.01		2.500		80.3	70	130			

Sample ID **LCSD-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **LCSD** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 9:53:21 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	21.3	2.00	25.00	0	85.1	75	125	1.26	20	
Surr: Isopropylbenzene	2.11		2.500		84.3	70	130	0	0	
Surr: Octacosane	2.00		2.500		79.8	70	130	0	0	

Sample ID **MB-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MBLK** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 10:32:44 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	<0.700	2.00								
T/R Hydrocarbons: >C12-C28	<0.700	2.00								
T/R Hydrocarbons: >C28-C35	<0.700	2.00								
T/R Hydrocarbons: C6-C35	<0.700	2.00								
Surr: Isopropylbenzene	2.22		2.500		88.6	70	130			
Surr: Octacosane	2.21		2.500		88.2	70	130			

Sample ID **1408222-03AMS** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MS** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 11:06:31 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.2	2.01	25.11	0	88.3	75	125			
Surr: Isopropylbenzene	2.16		2.511		86.1	70	130			
Surr: Octacosane	2.00		2.511		79.6	70	130			

Sample ID **1408222-03AMSD** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MSD** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 11:14:57 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.4	2.01	25.16	0	88.9	75	125	0.824	20	
Surr: Isopropylbenzene	2.20		2.516		87.5	70	130	0	0	
Surr: Octacosane	2.05		2.516		81.5	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1408222
Project: CRCP

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140902A

Sample ID **ICV-140902**	Batch ID: **R75147**	TestNo: **TX1005**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC12_140902A**	Analysis Date: **9/2/2014 9:15:49 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	1140	2.00	1000	0	114	75	125			
Surr: Isopropylbenzene	56.2		50.00		112	70	130			
Surr: Octacosane	53.0		50.00		106	70	130			

Sample ID **CCV1-140902**	Batch ID: **R75147**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_140902A**	Analysis Date: **9/2/2014 2:29:44 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	598	2.00	500.0	0	120	75	125			
Surr: Isopropylbenzene	30.1		25.00		120	70	130			
Surr: Octacosane	27.7		25.00		111	70	130			

Qualifiers:				
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

September 03, 2014

Kevin Pasternick
URS Corporation
9400 Amberglen Bldg E
Austin, Texas 78729
TEL: (512) 454-4797
FAX (512) 454-8807

Order No.: 1408242

RE: CRCP

Dear Kevin Pasternick:

DHL Analytical, Inc. received 5 sample(s) on 8/27/2014 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-14-12

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: www.dhlanalytical.com
E-Mail: login@dhlanalytical.com

№ 63341

CHAIN-OF-CUSTODY

CLIENT: URS Corp
ADDRESS: 9400 Amberglen Blvd. Austin, TX
PHONE: 512-454-4797 FAX/E-MAIL: 512-454-8807
DATA REPORTED TO: Kevin.Pasternak@ws.com
ADDITIONAL REPORT COPIES TO:

DATE: 8/27/2014 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 1408242
PROJECT LOCATION OR NAME: CRCP
CLENT PROJECT #: 41010113.102 COLLECTOR: K. Pasternak & L. Rinehart

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ [METHOD 8021] | TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐ | GRO [METHOD 8015] ☐ DRO [METHOD 8105] ☐ | VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐ | 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PCB ☐ 8270 PEST ☐ | 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐ | 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐ | METALS 6020 ☐ METALS 200.8 ☐ DISS. METALS ☐ | RCRA ☐ TX11 ☐ ☐ | PH ☐ HEX CHROM ☐ ALKALINITY ☐ | CHLORIDE ☐ ANIONS ☐ | TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐ | TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
CRCP-Buccheit-120	01	8/27/14	1330	W	VOAs	3	X			X		X	
CRCP-5852213-120	02	↓	1020	↓	↓	↓	↓			↓		↓	
CRCP-Wisian W2-120	03		1243										
CRCP-Wisian W1-120	04		1155										
CRCP-Wisian W1-125	05	↓	1205	↓	↓	↓	↓			↓		↓	

TOTAL

RELINQUISHED BY: (Signature) DATE/TIME 8-27-14/1430 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return 3

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ _____

LABORATORY USE ONLY: on ice
RECEIVING TEMP: 8.5 THERM #: 57
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #: _____
☐ APC DELIVERY
☒ HAND DELIVERED

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name URS Corporation | Date Received: 8/27/2014

Work Order Number 1408242 | Received by BB

Checklist completed by: _____ 8/28/2014 (Signature / Date) | Reviewed by _____ 8/28/2014 (Initials / Date)

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	8.5 °C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH<2 acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc. **Date:** *03-Sep-14*

CLIENT: URS Corporation
Project: CRCP
Lab Order: 1408242

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method TX1005 - Total Petroleum Hydrocarbons

LOG IN

The samples were received and log-in performed on 8/27/2014. A total of 5 samples were received and analyzed. The samples arrived in good condition and were properly packaged. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT: URS Corporation
Project: CRCP
Lab Order: 1408242

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1408242-01	CRCP-Buccheit-120		08/27/14 01:30 PM	8/27/2014
1408242-02	CRCP-5852213-120		08/27/14 10:20 AM	8/27/2014
1408242-03	CRCP-WisianW2-120		08/27/14 12:43 PM	8/27/2014
1408242-04	CRCP-WisianW1-120		08/27/14 11:55 AM	8/27/2014
1408242-05	CRCP-WisianW1-125		08/27/14 12:05 PM	8/27/2014

Lab Order: 1408242
Client: URS Corporation
Project: CRCP

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1408242-01A	CRCP-Buccheit-120	08/27/14 01:30 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408242-02A	CRCP-5852213-120	08/27/14 10:20 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408242-03A	CRCP-WisianW2-120	08/27/14 12:43 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408242-04A	CRCP-WisianW1-120	08/27/14 11:55 AM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402
1408242-05A	CRCP-WisianW1-125	08/27/14 12:05 PM	Aqueous	TX1005	TX1005 Water Prep	08/28/14 08:45 AM	65402

Lab Order: 1408242
Client: URS Corporation
Project: CRCP

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1408242-01A	CRCP-Buccheit-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 12:39 PM	GC12_140902A
1408242-02A	CRCP-5852213-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 12:47 PM	GC12_140902A
1408242-03A	CRCP-WisianW2-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 12:56 PM	GC12_140902A
1408242-04A	CRCP-WisianW1-120	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 01:04 PM	GC12_140902A
1408242-05A	CRCP-WisianW1-125	Aqueous	TX1005	Tx1005 TPH Water	65402	1	09/02/14 01:13 PM	GC12_140902A

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-Buccheit-120
Project:	CRCP	**Lab ID:**	1408242-01
Project No:	41010113.102	**Collection Date:**	08/27/14 01:30 PM
Lab Order:	1408242	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.703	0.703	2.01		mg/L	1	09/02/14 12:39 PM
T/R Hydrocarbons: >C12-C28	<0.703	0.703	2.01		mg/L	1	09/02/14 12:39 PM
T/R Hydrocarbons: >C28-C35	<0.703	0.703	2.01		mg/L	1	09/02/14 12:39 PM
T/R Hydrocarbons: C6-C35	<0.703	0.703	2.01		mg/L	1	09/02/14 12:39 PM
Surr: Isopropylbenzene	85.5	0	70-130		%REC	1	09/02/14 12:39 PM
Surr: Octacosane	83.8	0	70-130		%REC	1	09/02/14 12:39 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-5852213-120
Project:	CRCP	**Lab ID:**	1408242-02
Project No:	41010113.102	**Collection Date:**	08/27/14 10:20 AM
Lab Order:	1408242	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.693	0.693	1.98		mg/L	1	09/02/14 12:47 PM
T/R Hydrocarbons: >C12-C28	<0.693	0.693	1.98		mg/L	1	09/02/14 12:47 PM
T/R Hydrocarbons: >C28-C35	<0.693	0.693	1.98		mg/L	1	09/02/14 12:47 PM
T/R Hydrocarbons: C6-C35	<0.693	0.693	1.98		mg/L	1	09/02/14 12:47 PM
Surr: Isopropylbenzene	82.5	0	70-130		%REC	1	09/02/14 12:47 PM
Surr: Octacosane	81.5	0	70-130		%REC	1	09/02/14 12:47 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW2-120
Project:	CRCP	**Lab ID:**	1408242-03
Project No:	41010113.102	**Collection Date:**	08/27/14 12:43 PM
Lab Order:	1408242	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.690	0.690	1.97		mg/L	1	09/02/14 12:56 PM
T/R Hydrocarbons: >C12-C28	<0.690	0.690	1.97		mg/L	1	09/02/14 12:56 PM
T/R Hydrocarbons: >C28-C35	<0.690	0.690	1.97		mg/L	1	09/02/14 12:56 PM
T/R Hydrocarbons: C6-C35	<0.690	0.690	1.97		mg/L	1	09/02/14 12:56 PM
Surr: Isopropylbenzene	84.8	0	70-130		%REC	1	09/02/14 12:56 PM
Surr: Octacosane	82.8	0	70-130		%REC	1	09/02/14 12:56 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW1-120
Project:	CRCP	**Lab ID:**	1408242-04
Project No:	41010113.102	**Collection Date:**	08/27/14 11:55 AM
Lab Order:	1408242	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.692	0.692	1.98		mg/L	1	09/02/14 01:04 PM
T/R Hydrocarbons: >C12-C28	<0.692	0.692	1.98		mg/L	1	09/02/14 01:04 PM
T/R Hydrocarbons: >C28-C35	<0.692	0.692	1.98		mg/L	1	09/02/14 01:04 PM
T/R Hydrocarbons: C6-C35	<0.692	0.692	1.98		mg/L	1	09/02/14 01:04 PM
Surr: Isopropylbenzene	84.3	0	70-130		%REC	1	09/02/14 01:04 PM
Surr: Octacosane	81.0	0	70-130		%REC	1	09/02/14 01:04 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW1-125
Project:	CRCP	**Lab ID:**	1408242-05
Project No:	41010113.102	**Collection Date:**	08/27/14 12:05 PM
Lab Order:	1408242	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **LM**
T/R Hydrocarbons: C6-C12	<0.696	0.696	1.99		mg/L	1	09/02/14 01:13 PM
T/R Hydrocarbons: >C12-C28	<0.696	0.696	1.99		mg/L	1	09/02/14 01:13 PM
T/R Hydrocarbons: >C28-C35	<0.696	0.696	1.99		mg/L	1	09/02/14 01:13 PM
T/R Hydrocarbons: C6-C35	<0.696	0.696	1.99		mg/L	1	09/02/14 01:13 PM
Surr: Isopropylbenzene	85.9	0	70-130		%REC	1	09/02/14 01:13 PM
Surr: Octacosane	86.1	0	70-130		%REC	1	09/02/14 01:13 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *03-Sep-14*

CLIENT: URS Corporation
Work Order: 1408242
Project: CRCP

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140902A

The QC data in batch 65402 applies to the following samples: 1408242-01A, 1408242-02A, 1408242-03A, 1408242-04A, 1408242-05A

Sample ID **LCS-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **LCS** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 9:44:54 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	21.6	2.00	25.00	0	86.2	75	125			
Surr: Isopropylbenzene	2.16		2.500		86.2	70	130			
Surr: Octacosane	2.01		2.500		80.3	70	130			

Sample ID **LCSD-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **LCSD** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 9:53:21 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	21.3	2.00	25.00	0	85.1	75	125	1.26	20	
Surr: Isopropylbenzene	2.11		2.500		84.3	70	130	0	0	
Surr: Octacosane	2.00		2.500		79.8	70	130	0	0	

Sample ID **MB-65402** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MBLK** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 10:32:44 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	<0.700	2.00								
T/R Hydrocarbons: >C12-C28	<0.700	2.00								
T/R Hydrocarbons: >C28-C35	<0.700	2.00								
T/R Hydrocarbons: C6-C35	<0.700	2.00								
Surr: Isopropylbenzene	2.22		2.500		88.6	70	130			
Surr: Octacosane	2.21		2.500		88.2	70	130			

Sample ID **1408222-03AMS** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MS** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 11:06:31 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.2	2.01	25.11	0	88.3	75	125			
Surr: Isopropylbenzene	2.16		2.511		86.1	70	130			
Surr: Octacosane	2.00		2.511		79.6	70	130			

Sample ID **1408222-03AMSD** Batch ID: **65402** TestNo: **TX1005** Units: **mg/L**
SampType: **MSD** Run ID: **GC12_140902A** Analysis Date: **9/2/2014 11:14:57 AM** Prep Date: **8/28/2014**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	22.4	2.01	25.16	0	88.9	75	125	0.824	20	
Surr: Isopropylbenzene	2.20		2.516		87.5	70	130	0	0	
Surr: Octacosane	2.05		2.516		81.5	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1408242
Project: CRCP

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_140902A

Sample ID **ICV-140902**	Batch ID: **R75147**	TestNo: **TX1005**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC12_140902A**	Analysis Date: **9/2/2014 9:15:49 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	1140	2.00	1000	0	114	75	125			
Surr: Isopropylbenzene	56.2		50.00		112	70	130			
Surr: Octacosane	53.0		50.00		106	70	130			

Sample ID **CCV1-140902**	Batch ID: **R75147**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_140902A**	Analysis Date: **9/2/2014 2:29:44 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	598	2.00	500.0	0	120	75	125			
Surr: Isopropylbenzene	30.1		25.00		120	70	130			
Surr: Octacosane	27.7		25.00		111	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

URS

TO: Kevin Pasternak

FROM: Carol Lovett, Austin QA/QC Group

PROJECT: Colorado River Corridor (CRC)

DATE: January 14, 2016

SUBJECT: Data Validation Summary for the October 2015 Sampling Event

I have completed the data review and validation of the October 2015 sampling event. This was a general review of the results that were reported from one laboratory: DHL Analytical, Round Rock, Texas. The quality control (QC) results that were submitted by the laboratory were reviewed to confirm that the analyses were performed according to method protocols and to assess the quality of the reported laboratory data.

The QC results indicate that the data are usable for the intended purposes. The QC results indicate that the data are usable for the intended purposes. Additional observations are:

- Sample results that were detected between the method detection limits and reporting limits were qualified with "J" as estimated.

- The recoveries for sodium in two low-level calibration verification standards were above the acceptance criteria. However, the recoveries in the associated medium level continuing calibration verification (CCV) standards were within acceptance criteria. Per professional judgment, since the sodium results in the associated samples were similar to the concentrations in the CCVs, no results were qualified due to this possible high bias.

- Sodium and ammonia were detected in equipment blank CRCP-WisianW1-135 at concentrations of 0.168 milligrams per liter (mg/L) and 0.145 mg/L, respectively. The concentrations for sodium in the associated samples were greater than five times the concentration in the equipment blank; therefore, no sodium results were qualified due to similarity to the blank. Results for ammonia from samples collected on the same day and with the same equipment as the equipment blank were qualified with "B" as similar to the blank concentration and are presented in Table 1.

Table 1
Qualified Results

Client Identification	Method	Analyte	Result (mg/L)	Qualifier	Reason
CRCP-5852314-130	SM4500-NH_3-D	Ammonia	0.120	B	Result within five times of the equipment blank concentration
CRCP-NTNW2-130			0.173		
CRCP-WisianW1-130			0.124		
CRCP-WisianW2-130			0.133		

B – Similar to the blank concentration
mg/L – Milligrams per liter
SM- Standard Method

October 14, 2015

Kevin Pasternick
URS Corporation
9400 Amberglen Bldg E
Austin, Texas 78729
TEL: (512) 454-4797
FAX (512) 454-8807

Order No.: 1510065

RE: CRCP - Travis Co

Dear Kevin Pasternick:

DHL Analytical, Inc. received 6 sample(s) on 10/8/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-15

Table of Contents

DHL ANALYTICAL
2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: *www.dhlanalytical.com*
E-Mail: *login@dhlanalytical.com*

nelap ACCREDITING AUTHORITY · DEPARTMENT OF DEFENSE UNITED STATES OF AMERICA

№ 68632

CHAIN-OF-CUSTODY

CLIENT: AECOM
ADDRESS: 9400 Amberglen Blvd Austin TX 78729
PHONE: 512-750-8748 FAX/E-MAIL: kevin.pasternak@aecom.com
DATA REPORTED TO: Kevin Pasternak
ADDITIONAL REPORT COPIES TO:

DATE: 10/7/2015 PAGE 1 OF 1
PO #:
DHL WORK ORDER #: 1510065
PROJECT LOCATION OR NAME: 60407569.41010113.101
CLENT PROJECT #: CRCP-Travis Co COLLECTOR: E. McCoy / K. Pasternak

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID
SE=SEDIMENT

PRESERVATION: HCl, HNO_3, H_2SO_4 ☒ NaOH ☐, ICE, UNPRESERVED

ANALYSES (columns):
1. BTEX ☐ MTBE ☐ [METHOD 8021]
2. TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐
3. GRO [METHOD 8015] ☐ DRO [METHOD 8105] ☐
4. VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐
5. SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐
6. 8270 PEST ☐ 625 PEST/PCB ☐ 608 PCB ☐
7. 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐
8. 8321 HERB ☐ T PHOS, AMMONIA ☐
9. METALS 6020 ☒ 4 CAT/DISS. METALS ☐
10. RCRA ☐ TX11 ☐ ☐
11. PH ☐ HEX CHROM ☐ ALKALINITY ☒ COD ☐
12. CHLORIDE ☐ ANIONS ☒ NO3, Cl, F, SO4
13. TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐
14. TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐
15. RCI ☐ FLASHPOINT ☐ DGAS ☐
16. TDS ☐ TSS ☒ % MOISTURE ☐ CYANIDE ☐
17. E300.0
18. TX1005 / SM2320B
19. SM4500NH3-Ammonia

	Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	FIELD NOTES
01	CRCP-NTNW2-130		10/7/15	0930	W	VARIES	7	3	1	1	7	2									1		1	1				1	1	3	1	
02	CRCP-5852314-130	11	↓	1045	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
03	CRCP-5852213-133	12	↓	1220	↓	↓	14	6	2	2	14	4									2		2	2				2	2	6	2	MS/MSD
04	CRCP-WisianW1-130	03	↓	1425	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
05	CRCP-WisianW1-135	04	↓	1440	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
06	CRCP-WisianW2-130	05	↓	1520	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	

MB 10/8

RELINQUISHED BY: (Signature) [signature] DATE/TIME 10-7-15 / 1710 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) [signature]
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ *DHL DISPOSAL @ $5.00 each* ☐ *Return*

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 3.1 THERM #: 78
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☒ NOT USED
CARRIER: ☐ LONE STAR ☐ FEDEX ☐ UPS ☐ OTHER
☐ COURIER DELIVERY
☒ HAND DELIVERED

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name URS Corporation | Date Received: 10/8/2015

Work Order Number 1510065 | Received by MB

Checklist completed by: [signature] 10/8/2015 (Signature / Date) | Reviewed by DL 10/8/2015 (Initials / Date)

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	3.1 °C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 8086
	Adjusted? ND		Checked by MB
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted?		Checked by

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc. **Date:** *14-Oct-15*

CLIENT: URS Corporation
Project: CRCP - Travis Co
Lab Order: 1510065

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method Tx1005 - Total Petroleum Hydrocarbons Analysis
Method SW6020A - Metals Analysis
Method E300 - Anions Analysis
Method M2320 B - Alkalinity Analysis
Method M4500-NH3-D - Ammonia Analysis
Method M2540D - TSS Analysis

LOG IN

The samples were received and log-in performed on 10/7/15. A total of 6 samples were received. The samples arrived in good condition and were properly packaged.

METALS ANALYSIS

For Metals analysis performed on 10/12/15 and 10/13/15 the matrix spike and matrix spike duplicate recoveries were out of control limits for three analytes. These are flagged accordingly in the QC summary report. The sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for these analytes. No further corrective actions were taken.

For Metals analysis performed on 10/13/15 LCVL2-151013 and LCVL3-151013 were above control limits for Sodium. These are flagged accordingly. The associated CCVs were within control limits for these analytes. No further corrective actions were taken.

TSS ANALYSIS

For TSS analysis, as per the TCEQ-NELAP accreditaion requirement the following must be noted: The Standard Methods for TSS analysis specifies a volume of 1 Liter of sample and this will result in a minimum detection limit of 2.5 mg/L. For this project, the detection limit of 2.5 mg/L was not required and a smaller volume was used for samples CRCP-NTNW2-130, CRCP-5852314-130, CRCP-Wisian W1-130, CRCP-WisianW1-135 and CRCP-WisianW2-130. NELAP requires a note that if the full 1-liter volume was not utilized, the results must be discussed in the narrative. The client has been notified and has requested DHL Analytical to proceed with the analysis.

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT: URS Corporation
Project: CRCP - Travis Co
Lab Order: 1510065

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1510065-01	CRCP-NTNW2-130		10/07/15 09:30 AM	10/8/2015
1510065-02	CRCP-5852314-130		10/07/15 10:45 AM	10/8/2015
1510065-03	CRCP-5852213-133		10/07/15 12:20 PM	10/8/2015
1510065-04	CRCP-WisianW1-130		10/07/15 02:25 PM	10/8/2015
1510065-05	CRCP-WisianW1-135		10/07/15 02:40 PM	10/8/2015
1510065-06	CRCP-WisianW2-130		10/07/15 03:20 PM	10/8/2015

Lab Order: 1510065
Client: URS Corporation
Project: CRCP - Travis Co

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1510065-01A	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-01B	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-01C	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-01D	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-01E	CRCP-NTNW2-130	10/07/15 09:30 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510065-02A	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-02B	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-02C	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-02D	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-02E	CRCP-5852314-130	10/07/15 10:45 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510065-03A	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-03B	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-03C	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-03D	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-03E	CRCP-5852213-133	10/07/15 12:20 PM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510065-04A	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-04B	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810

Lab Order: 1510065
Client: URS Corporation
Project: CRCP - Travis Co

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1510065-04B	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-04C	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-04D	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-04E	CRCP-WisianW1-130	10/07/15 02:25 PM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510065-05A	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-05B	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-05C	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-05D	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-05E	CRCP-WisianW1-135	10/07/15 02:40 PM	Equip Blank	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510065-06A	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	TX1005	TX1005 Water Prep	10/08/15 10:28 AM	71800
1510065-06B	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510065-06C	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510065-06D	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	M2320 B	Alkalinity Preparation	10/08/15 10:50 AM	71801
	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	E300	Anion Preparation	10/08/15 09:48 AM	71795
1510065-06E	CRCP-WisianW2-130	10/07/15 03:20 PM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806

Lab Order: 1510065
Client: URS Corporation
Project: CRCP - Travis Co

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1510065-01A	CRCP-NTNW2-130	Aqueous	TX1005	Tx1005 TPH Water	71800	1	10/09/15 10:28 AM	GC12_151009A
1510065-01B	CRCP-NTNW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:11 PM	ICP-MS4_151012B
	CRCP-NTNW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:33 PM	ICP-MS4_151013B
	CRCP-NTNW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	100	10/13/15 03:07 PM	ICP-MS4_151013B
1510065-01C	CRCP-NTNW2-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-01D	CRCP-NTNW2-130	Aqueous	M2320 B	Alkalinity	71801	1	10/08/15 11:41 AM	TITRATOR_151008B
	CRCP-NTNW2-130	Aqueous	E300	Anions by IC method - Water	71795	1	10/08/15 11:47 AM	IC3_151008A
	CRCP-NTNW2-130	Aqueous	E300	Anions by IC method - Water	71795	10	10/08/15 06:47 PM	IC3_151008A
1510065-01E	CRCP-NTNW2-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510065-02A	CRCP-5852314-130	Aqueous	TX1005	Tx1005 TPH Water	71800	1	10/09/15 10:37 AM	GC12_151009A
1510065-02B	CRCP-5852314-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:35 PM	ICP-MS4_151013B
	CRCP-5852314-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:13 PM	ICP-MS4_151012B
1510065-02C	CRCP-5852314-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-02D	CRCP-5852314-130	Aqueous	M2320 B	Alkalinity	71801	1	10/08/15 11:50 AM	TITRATOR_151008B
	CRCP-5852314-130	Aqueous	E300	Anions by IC method - Water	71795	1	10/08/15 12:07 PM	IC3_151008A
	CRCP-5852314-130	Aqueous	E300	Anions by IC method - Water	71795	10	10/08/15 07:29 PM	IC3_151008A
1510065-02E	CRCP-5852314-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510065-03A	CRCP-5852213-133	Aqueous	TX1005	Tx1005 TPH Water	71800	1	10/09/15 10:46 AM	GC12_151009A
1510065-03B	CRCP-5852213-133	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:07 PM	ICP-MS4_151012B
	CRCP-5852213-133	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:02 PM	ICP-MS4_151013B
	CRCP-5852213-133	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	100	10/13/15 03:01 PM	ICP-MS4_151013B
1510065-03C	CRCP-5852213-133	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-03D	CRCP-5852213-133	Aqueous	M2320 B	Alkalinity	71801	1	10/08/15 12:32 PM	TITRATOR_151008B
	CRCP-5852213-133	Aqueous	E300	Anions by IC method - Water	71795	10	10/08/15 03:41 PM	IC3_151008A
	CRCP-5852213-133	Aqueous	E300	Anions by IC method - Water	71795	1	10/08/15 12:28 PM	IC3_151008A
1510065-03E	CRCP-5852213-133	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510065-04A	CRCP-WisianW1-130	Aqueous	TX1005	Tx1005 TPH Water	71800	1	10/09/15 11:13 AM	GC12_151009A
1510065-04B	CRCP-WisianW1-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:15 PM	ICP-MS4_151012B

Lab Order: 1510065
Client: URS Corporation
Project: CRCP - Travis Co

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1510065-04B	CRCP-WisianW1-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:06 PM	ICP-MS4_151013B
	CRCP-WisianW1-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:37 PM	ICP-MS4_151013B
1510065-04C	CRCP-WisianW1-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-04D	CRCP-WisianW1-130	Aqueous	M2320 B	Alkalinity	71801	1	10/08/15 01:24 PM	TITRATOR_151008B
	CRCP-WisianW1-130	Aqueous	E300	Anions by IC method - Water	71795	1	10/08/15 12:49 PM	IC3_151008A
1510065-04E	CRCP-WisianW1-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510065-05A	CRCP-WisianW1-135	Equip Blank	TX1005	Tx1005 TPH Water	71800	1	10/09/15 11:22 AM	GC12_151009A
1510065-05B	CRCP-WisianW1-135	Equip Blank	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:17 PM	ICP-MS4_151012B
	CRCP-WisianW1-135	Equip Blank	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/14/15 11:42 AM	ICP-MS4_151014A
1510065-05C	CRCP-WisianW1-135	Equip Blank	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-05D	CRCP-WisianW1-135	Equip Blank	M2320 B	Alkalinity	71801	1	10/08/15 01:27 PM	TITRATOR_151008B
	CRCP-WisianW1-135	Equip Blank	E300	Anions by IC method - Water	71795	1	10/08/15 01:09 PM	IC3_151008A
1510065-05E	CRCP-WisianW1-135	Equip Blank	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510065-06A	CRCP-WisianW2-130	Aqueous	TX1005	Tx1005 TPH Water	71800	1	10/09/15 11:31 AM	GC12_151009A
1510065-06B	CRCP-WisianW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:19 PM	ICP-MS4_151012B
	CRCP-WisianW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:08 PM	ICP-MS4_151013B
	CRCP-WisianW2-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:39 PM	ICP-MS4_151013B
1510065-06C	CRCP-WisianW2-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510065-06D	CRCP-WisianW2-130	Aqueous	M2320 B	Alkalinity	71801	1	10/08/15 01:40 PM	TITRATOR_151008B
	CRCP-WisianW2-130	Aqueous	E300	Anions by IC method - Water	71795	1	10/08/15 01:30 PM	IC3_151008A
1510065-06E	CRCP-WisianW2-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-NTNW2-130
Project:	CRCP - Travis Co	**Lab ID:**	1510065-01
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 09:30 AM
Lab Order:	1510065	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.678	0.678	1.94		mg/L	1	10/09/15 10:28 AM
T/R Hydrocarbons: >C12-C28	<0.678	0.678	1.94		mg/L	1	10/09/15 10:28 AM
T/R Hydrocarbons: >C28-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 10:28 AM
T/R Hydrocarbons: C6-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 10:28 AM
Surr: Isopropylbenzene	83.1	0	70-130		%REC	1	10/09/15 10:28 AM
Surr: Octacosane	84.9	0	70-130		%REC	1	10/09/15 10:28 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	219	10.0	30.0		mg/L	100	10/13/15 03:07 PM
Magnesium	74.4	1.00	3.00		mg/L	10	10/13/15 02:33 PM
Potassium	2.45	0.100	0.300		mg/L	1	10/12/15 12:11 PM
Sodium	54.2	1.00	3.00		mg/L	10	10/13/15 02:33 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	49.9	0.300	1.00		mg/L	1	10/08/15 11:47 AM
Fluoride	0.245	0.100	0.400	J	mg/L	1	10/08/15 11:47 AM
Nitrate-N	28.1	1.00	5.00		mg/L	10	10/08/15 06:47 PM
Sulfate	518	10.0	30.0		mg/L	10	10/08/15 06:47 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	365	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 11:41 AM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 11:41 AM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 11:41 AM
Alkalinity, Total (As CaCO3)	365	20.0	20.0		mg/L @ pH 4.53	1	10/08/15 11:41 AM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.173	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.62	2.62	2.62		mg/L	1	10/09/15 10:40 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-5852314-130
Project:	CRCP - Travis Co	**Lab ID:**	1510065-02
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 10:45 AM
Lab Order:	1510065	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.682	0.682	1.95		mg/L	1	10/09/15 10:37 AM
T/R Hydrocarbons: >C12-C28	<0.682	0.682	1.95		mg/L	1	10/09/15 10:37 AM
T/R Hydrocarbons: >C28-C35	<0.682	0.682	1.95		mg/L	1	10/09/15 10:37 AM
T/R Hydrocarbons: C6-C35	<0.682	0.682	1.95		mg/L	1	10/09/15 10:37 AM
Surr: Isopropylbenzene	85.9	0	70-130		%REC	1	10/09/15 10:37 AM
Surr: Octacosane	86.9	0	70-130		%REC	1	10/09/15 10:37 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	78.2	1.00	3.00		mg/L	10	10/13/15 02:35 PM
Magnesium	24.6	1.00	3.00		mg/L	10	10/13/15 02:35 PM
Potassium	1.77	0.100	0.300		mg/L	1	10/12/15 12:13 PM
Sodium	55.5	1.00	3.00		mg/L	10	10/13/15 02:35 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	51.1	3.00	10.0		mg/L	10	10/08/15 07:29 PM
Fluoride	0.350	0.100	0.400	J	mg/L	1	10/08/15 12:07 PM
Nitrate-N	0.508	0.100	0.500		mg/L	1	10/08/15 12:07 PM
Sulfate	119	1.00	3.00		mg/L	1	10/08/15 12:07 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	252	10.0	20.0		mg/L @ pH 4.51	1	10/08/15 11:50 AM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.51	1	10/08/15 11:50 AM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.51	1	10/08/15 11:50 AM
Alkalinity, Total (As CaCO3)	252	20.0	20.0		mg/L @ pH 4.51	1	10/08/15 11:50 AM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.120	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.53	2.53	2.53		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-5852213-133
Project:	CRCP - Travis Co	**Lab ID:**	1510065-03
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 12:20 PM
Lab Order:	1510065	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.678	0.678	1.94		mg/L	1	10/09/15 10:46 AM
T/R Hydrocarbons: >C12-C28	<0.678	0.678	1.94		mg/L	1	10/09/15 10:46 AM
T/R Hydrocarbons: >C28-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 10:46 AM
T/R Hydrocarbons: C6-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 10:46 AM
Surr: Isopropylbenzene	85.4	0	70-130		%REC	1	10/09/15 10:46 AM
Surr: Octacosane	88.1	0	70-130		%REC	1	10/09/15 10:46 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	291	10.0	30.0		mg/L	100	10/13/15 03:01 PM
Magnesium	65.8	1.00	3.00		mg/L	10	10/13/15 02:02 PM
Potassium	9.63	0.100	0.300		mg/L	1	10/12/15 12:07 PM
Sodium	77.0	1.00	3.00		mg/L	10	10/13/15 02:02 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	62.0	3.00	10.0		mg/L	10	10/08/15 03:41 PM
Fluoride	0.281	0.100	0.400	J	mg/L	1	10/08/15 12:28 PM
Nitrate-N	<0.100	0.100	0.500		mg/L	1	10/08/15 12:28 PM
Sulfate	<1.00	1.00	3.00		mg/L	1	10/08/15 12:28 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	1210	10.0	20.0		mg/L @ pH 4.54	1	10/08/15 12:32 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.54	1	10/08/15 12:32 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.54	1	10/08/15 12:32 PM
Alkalinity, Total (As CaCO3)	1210	20.0	20.0		mg/L @ pH 4.54	1	10/08/15 12:32 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	1.15	0.100	0.250		mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	20.7	8.33	8.33		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW1-130
Project:	CRCP - Travis Co	**Lab ID:**	1510065-04
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 02:25 PM
Lab Order:	1510065	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.700	0.700	2.00		mg/L	1	10/09/15 11:13 AM
T/R Hydrocarbons: >C12-C28	<0.700	0.700	2.00		mg/L	1	10/09/15 11:13 AM
T/R Hydrocarbons: >C28-C35	<0.700	0.700	2.00		mg/L	1	10/09/15 11:13 AM
T/R Hydrocarbons: C6-C35	<0.700	0.700	2.00		mg/L	1	10/09/15 11:13 AM
Surr: Isopropylbenzene	85.8	0	70-130		%REC	1	10/09/15 11:13 AM
Surr: Octacosane	89.7	0	70-130		%REC	1	10/09/15 11:13 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	75.5	1.00	3.00		mg/L	10	10/13/15 02:37 PM
Magnesium	10.2	0.100	0.300		mg/L	1	10/13/15 02:06 PM
Potassium	2.80	0.100	0.300		mg/L	1	10/12/15 12:15 PM
Sodium	69.2	1.00	3.00		mg/L	10	10/13/15 02:37 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	15.2	0.300	1.00		mg/L	1	10/08/15 12:49 PM
Fluoride	0.246	0.100	0.400	J	mg/L	1	10/08/15 12:49 PM
Nitrate-N	10.4	0.100	0.500		mg/L	1	10/08/15 12:49 PM
Sulfate	32.2	1.00	3.00		mg/L	1	10/08/15 12:49 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	334	10.0	20.0		mg/L @ pH 4.52	1	10/08/15 01:24 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.52	1	10/08/15 01:24 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.52	1	10/08/15 01:24 PM
Alkalinity, Total (As CaCO3)	334	20.0	20.0		mg/L @ pH 4.52	1	10/08/15 01:24 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.124	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.78	2.78	2.78		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW1-135
Project:	CRCP - Travis Co	**Lab ID:**	1510065-05
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 02:40 PM
Lab Order:	1510065	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.694	0.694	1.98		mg/L	1	10/09/15 11:22 AM
T/R Hydrocarbons: >C12-C28	<0.694	0.694	1.98		mg/L	1	10/09/15 11:22 AM
T/R Hydrocarbons: >C28-C35	<0.694	0.694	1.98		mg/L	1	10/09/15 11:22 AM
T/R Hydrocarbons: C6-C35	<0.694	0.694	1.98		mg/L	1	10/09/15 11:22 AM
Surr: Isopropylbenzene	85.3	0	70-130		%REC	1	10/09/15 11:22 AM
Surr: Octacosane	88.5	0	70-130		%REC	1	10/09/15 11:22 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	<0.100	0.100	0.300		mg/L	1	10/12/15 12:17 PM
Magnesium	<0.100	0.100	0.300		mg/L	1	10/14/15 11:42 AM
Potassium	<0.100	0.100	0.300		mg/L	1	10/12/15 12:17 PM
Sodium	0.168	0.100	0.300	J	mg/L	1	10/12/15 12:17 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	<0.300	0.300	1.00		mg/L	1	10/08/15 01:09 PM
Fluoride	<0.100	0.100	0.400		mg/L	1	10/08/15 01:09 PM
Nitrate-N	<0.100	0.100	0.500		mg/L	1	10/08/15 01:09 PM
Sulfate	<1.00	1.00	3.00		mg/L	1	10/08/15 01:09 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.5	1	10/08/15 01:27 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.5	1	10/08/15 01:27 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.5	1	10/08/15 01:27 PM
Alkalinity, Total (As CaCO3)	<20.0	20.0	20.0		mg/L @ pH 4.5	1	10/08/15 01:27 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.145	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.75	2.75	2.75		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *14-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-WisianW2-130
Project:	CRCP - Travis Co	**Lab ID:**	1510065-06
Project No:	60407569.41010113.101	**Collection Date:**	10/07/15 03:20 PM
Lab Order:	1510065	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.660	0.660	1.89		mg/L	1	10/09/15 11:31 AM
T/R Hydrocarbons: >C12-C28	<0.660	0.660	1.89		mg/L	1	10/09/15 11:31 AM
T/R Hydrocarbons: >C28-C35	<0.660	0.660	1.89		mg/L	1	10/09/15 11:31 AM
T/R Hydrocarbons: C6-C35	<0.660	0.660	1.89		mg/L	1	10/09/15 11:31 AM
Surr: Isopropylbenzene	85.8	0	70-130		%REC	1	10/09/15 11:31 AM
Surr: Octacosane	86.6	0	70-130		%REC	1	10/09/15 11:31 AM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	94.3	1.00	3.00		mg/L	10	10/13/15 02:39 PM
Magnesium	13.2	0.100	0.300		mg/L	1	10/13/15 02:08 PM
Potassium	2.17	0.100	0.300		mg/L	1	10/12/15 12:19 PM
Sodium	65.3	1.00	3.00		mg/L	10	10/13/15 02:39 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	26.9	0.300	1.00		mg/L	1	10/08/15 01:30 PM
Fluoride	0.152	0.100	0.400	J	mg/L	1	10/08/15 01:30 PM
Nitrate-N	7.88	0.100	0.500		mg/L	1	10/08/15 01:30 PM
Sulfate	34.8	1.00	3.00		mg/L	1	10/08/15 01:30 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	377	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 01:40 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 01:40 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/08/15 01:40 PM
Alkalinity, Total (As CaCO3)	377	20.0	20.0		mg/L @ pH 4.53	1	10/08/15 01:40 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.133	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.65	2.65	2.65		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009A

The QC data in batch 71800 applies to the following samples: 1510065-01A, 1510065-02A, 1510065-03A, 1510065-04A, 1510065-05A, 1510065-06A

Sample ID **LCS-71800** Batch ID: **71800** TestNo: **TX1005** Units: **mg/L**
SampType: **LCS** Run ID: **GC12_151009A** Analysis Date: **10/9/2015 9:50:18 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.3	2.00	25.00	0	97.0	75	125			
Surr: Isopropylbenzene	2.17		2.500		86.9	70	130			
Surr: Octacosane	2.23		2.500		89.0	70	130			

Sample ID **LCSD-71800** Batch ID: **71800** TestNo: **TX1005** Units: **mg/L**
SampType: **LCSD** Run ID: **GC12_151009A** Analysis Date: **10/9/2015 9:59:21 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.8	2.00	25.00	0	99.2	75	125	2.20	20	
Surr: Isopropylbenzene	2.20		2.500		88.0	70	130	0	0	
Surr: Octacosane	2.17		2.500		86.9	70	130	0	0	

Sample ID **MB-71800** Batch ID: **71800** TestNo: **TX1005** Units: **mg/L**
SampType: **MBLK** Run ID: **GC12_151009A** Analysis Date: **10/9/2015 10:08:23 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	<0.700	2.00								
T/R Hydrocarbons: >C12-C28	<0.700	2.00								
T/R Hydrocarbons: >C28-C35	<0.700	2.00								
T/R Hydrocarbons: C6-C35	<0.700	2.00								
Surr: Isopropylbenzene	2.10		2.500		83.8	70	130			
Surr: Octacosane	2.20		2.500		88.2	70	130			

Sample ID **1510065-03AMS** Batch ID: **71800** TestNo: **TX1005** Units: **mg/L**
SampType: **MS** Run ID: **GC12_151009A** Analysis Date: **10/9/2015 10:55:22 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.1	1.98	24.70	0	97.6	75	125			
Surr: Isopropylbenzene	2.37		2.470		95.8	70	130			
Surr: Octacosane	2.11		2.470		85.3	70	130			

Sample ID **1510065-03AMSD** Batch ID: **71800** TestNo: **TX1005** Units: **mg/L**
SampType: **MSD** Run ID: **GC12_151009A** Analysis Date: **10/9/2015 11:04:24 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	23.2	1.91	23.86	0	97.0	75	125	3.98	20	
Surr: Isopropylbenzene	2.39		2.386		100	70	130	0	0	
Surr: Octacosane	2.08		2.386		87.2	70	130	0	0	

Qualifiers:				
	B	Analyte detected in the associated Method Blank	DF	Dilution Factor
	J	Analyte detected between MDL and RL	MDL	Method Detection Limit
	ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
	RL	Reporting Limit	S	Spike Recovery outside control limits
	J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009A

Sample ID **ICV-151009**	Batch ID: **R82112**	TestNo: **TX1005**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC12_151009A**	Analysis Date: **10/9/2015 9:33:10 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	1090	2.00	1000	0	109	75	125			
Surr: Isopropylbenzene	45.4		50.00		90.9	70	130			
Surr: Octacosane	43.7		50.00		87.3	70	130			

Sample ID **CCV1-151009**	Batch ID: **R82112**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_151009A**	Analysis Date: **10/9/2015 12:57:56 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	564	2.00	500.0	0	113	75	125			
Surr: Isopropylbenzene	23.9		25.00		95.6	70	130			
Surr: Octacosane	25.8		25.00		103	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

The QC data in batch 71810 applies to the following samples: 1510065-01B, 1510065-02B, 1510065-03B, 1510065-04B, 1510065-05B, 1510065-06B

Sample ID	**MB-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:57:00 A**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	<0.100	0.300								
Potassium	<0.100	0.300								
Sodium	<0.100	0.300								

Sample ID	**LCS-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:01:00 P**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.89	0.300	5.00	0	97.8	80	120			
Potassium	5.15	0.300	5.00	0	103	80	120			
Sodium	5.32	0.300	5.00	0	106	80	120			

Sample ID	**LCSD-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCSD**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:03:00 P**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.67	0.300	5.00	0	93.5	80	120	4.56	15	
Potassium	4.97	0.300	5.00	0	99.4	80	120	3.65	15	
Sodium	5.05	0.300	5.00	0	101	80	120	5.19	15	

Sample ID	**1510065-03B SD**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**SD**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:09:00 P**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	9.86	1.50	0	9.63				2.37	10	

Sample ID	**1510065-03B PDS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**PDS**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:29:00 P**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	14.1	0.300	5.00	9.63	89.8	80	120			

Sample ID	**1510065-03B MS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:30:00 P**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	287	0.300	5.00	293	-117	80	120			S
Potassium	14.5	0.300	5.00	9.63	98.0	80	120			
Sodium	85.7	0.300	5.00	82.3	68.0	80	120			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID **1510065-03B MSD**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS4_151012B**	Analysis Date: **10/12/2015 12:32:00 P**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	280	0.300	5.00	293	-259	80	120	2.52	15	S
Potassium	13.9	0.300	5.00	9.63	85.6	80	120	4.36	15	
Sodium	82.6	0.300	5.00	82.3	4.71	80	120	3.76	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID	**ICV-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**ICV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:16:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	2.51	0.300	2.50	0	100	90	110			
Potassium	2.70	0.300	2.50	0	108	90	110			
Sodium	2.74	0.300	2.50	0	110	90	110			

Sample ID	**LCVL-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:21:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0998	0.300	0.100	0	99.8	70	130			
Potassium	0.110	0.300	0.100	0	110	70	130			
Sodium	0.116	0.300	0.100	0	116	70	130			

Sample ID	**CCV1-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**CCV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:47:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.81	0.300	5.00	0	96.2	90	110			
Potassium	5.12	0.300	5.00	0	102	90	110			
Sodium	5.20	0.300	5.00	0	104	90	110			

Sample ID	**LCVL1-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:52:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0949	0.300	0.100	0	94.9	70	130			
Potassium	0.114	0.300	0.100	0	114	70	130			
Sodium	0.114	0.300	0.100	0	114	70	130			

Sample ID	**CCV2-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**CCV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:34:00 P**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.90	0.300	5.00	0	97.9	90	110			
Potassium	5.08	0.300	5.00	0	102	90	110			
Sodium	5.26	0.300	5.00	0	105	90	110			

Sample ID	**LCVL2-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:39:00 P**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.110	0.300	0.100	0	110	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID **LCVL2-151012** Batch ID: **R82128** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:39:00 P** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	0.102	0.300	0.100	0	102	70	130			
Sodium	0.114	0.300	0.100	0	114	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

The QC data in batch 71810 applies to the following samples: 1510065-01B, 1510065-02B, 1510065-03B, 1510065-04B, 1510065-05B, 1510065-06B

Sample ID	**MB-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:54:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	<0.100	0.300								

Sample ID	**LCS-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:56:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.75	0.300	5.00	0	95.0	80	120			

Sample ID	**LCSD-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCSD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:58:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.64	0.300	5.00	0	92.7	80	120	2.44	15	

Sample ID	**1510065-03B SD**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**SD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:04:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	66.7	15.0	0	65.8				1.38	10	
Sodium	82.0	15.0	0	77.0				6.37	10	

Sample ID	**1510065-03B PDS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**PDS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:17:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	115	3.00	50.0	65.8	98.0	80	120			
Sodium	127	3.00	50.0	77.0	101	80	120			

Sample ID	**1510065-03B MS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:19:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	69.5	3.00	5.00	65.8	73.8	80	120			S

Sample ID	**1510065-03B MSD**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:21:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	67.7	3.00	5.00	65.8	37.8	80	120	2.62	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **1510065-03B SD**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:03:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	293	150	0	291				0.817	10	

Sample ID **1510065-03B PDS**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:05:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	752	30.0	500	291	92.1	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **ICV-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 12:03:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	2.28	0.300	2.50	0	91.3	90	110			
Magnesium	2.43	0.300	2.50	0	97.1	90	110			
Sodium	2.40	0.300	2.50	0	95.9	90	110			

Sample ID **LCVL-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 12:08:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0998	0.300	0.100	0	99.8	70	130			
Magnesium	0.0993	0.300	0.100	0	99.3	70	130			
Sodium	0.104	0.300	0.100	0	104	70	130			

Sample ID **CCV2-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 1:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.83	0.300	5.00	0	96.6	90	110			
Sodium	5.00	0.300	5.00	0	100	90	110			

Sample ID **LCVL2-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 1:49:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	0.0982	0.300	0.100	0	98.2	70	130			
Sodium	0.180	0.300	0.100	0	180	70	130			S

Sample ID **CCV3-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:23:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.74	0.300	5.00	0	94.7	90	110			
Magnesium	4.82	0.300	5.00	0	96.4	90	110			
Sodium	4.90	0.300	5.00	0	98.1	90	110			

Sample ID **LCVL3-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:28:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.100	0.300	0.100	0	100	70	130			
Magnesium	0.0997	0.300	0.100	0	99.7	70	130			
Sodium	0.148	0.300	0.100	0	148	70	130			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **CCV4-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:53:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.74	0.300	5.00	0	94.7	90	110			
Magnesium	4.81	0.300	5.00	0	96.1	90	110			
Sodium	4.87	0.300	5.00	0	97.4	90	110			

Sample ID **LCVL4-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:57:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0938	0.300	0.100	0	93.8	70	130			
Magnesium	0.0980	0.300	0.100	0	98.0	70	130			
Sodium	0.127	0.300	0.100	0	127	70	130			

Sample ID **CCV5-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:15:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.72	0.300	5.00	0	94.4	90	110			

Sample ID **LCVL5-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:20:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.101	0.300	0.100	0	101	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151014A

Sample ID **ICV-151014**	Batch ID: **R82177**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_151014A**	Analysis Date: **10/14/2015 11:22:00 A**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	2.56	0.300	2.50	0	102	90	110			

Sample ID **LCVL-151014**	Batch ID: **R82177**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151014A**	Analysis Date: **10/14/2015 11:26:00 A**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	0.111	0.300	0.100	0	111	70	130			

Sample ID **CCV1-140417**	Batch ID: **R82177**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151014A**	Analysis Date: **10/14/2015 12:14:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.88	0.300	5.00	0	97.6	90	110			

Sample ID **LCVL1-140417**	Batch ID: **R82177**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151014A**	Analysis Date: **10/14/2015 12:30:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	0.108	0.300	0.100	0	108	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: IC3_151008A

The QC data in batch 71795 applies to the following samples: 1510065-01D, 1510065-02D, 1510065-03D, 1510065-04D, 1510065-05D, 1510065-06D

Sample ID **MB-71795** Batch ID: **71795** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC3_151008A** Analysis Date: **10/8/2015 10:42:27 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Nitrate-N	<0.100	0.500								
Sulfate	<1.00	3.00								

Sample ID **LCS-71795** Batch ID: **71795** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC3_151008A** Analysis Date: **10/8/2015 11:05:56 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.90	1.00	10.00	0	99.0	90	110			
Fluoride	4.06	0.400	4.000	0	101	90	110			
Nitrate-N	4.93	0.500	5.000	0	98.6	90	110			
Sulfate	30.6	3.00	30.00	0	102	90	110			

Sample ID **LCSD-71795** Batch ID: **71795** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC3_151008A** Analysis Date: **10/8/2015 11:26:34 AM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.89	1.00	10.00	0	98.9	90	110	0.070	20	
Fluoride	4.04	0.400	4.000	0	101	90	110	0.494	20	
Nitrate-N	4.93	0.500	5.000	0	98.6	90	110	0.020	20	
Sulfate	30.6	3.00	30.00	0	102	90	110	0.163	20	

Sample ID **1510065-03DMS** Batch ID: **71795** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC3_151008A** Analysis Date: **10/8/2015 6:06:42 PM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	264	10.0	200.0	61.99	101	90	110			
Fluoride	198	4.00	200.0	0	98.8	90	110			
Nitrate-N	44.9	5.00	45.16	0	99.4	90	110			
Sulfate	204	30.0	200.0	0	102	90	110			

Sample ID **1510065-03DMSD** Batch ID: **71795** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC3_151008A** Analysis Date: **10/8/2015 6:27:20 PM** Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	262	10.0	200.0	61.99	100	90	110	0.422	20	
Fluoride	197	4.00	200.0	0	98.4	90	110	0.406	20	
Nitrate-N	44.6	5.00	45.16	0	98.7	90	110	0.715	20	
Sulfate	203	30.0	200.0	0	102	90	110	0.152	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: IC3_151008A

Sample ID **ICV-151008**	Batch ID: **R82102**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC3_151008A**	Analysis Date: **10/8/2015 9:34:18 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	24.8	1.00	25.00	0	99.3	90	110			
Fluoride	9.94	0.400	10.00	0	99.4	90	110			
Nitrate-N	12.5	0.500	12.50	0	99.8	90	110			
Sulfate	75.8	3.00	75.00	0	101	90	110			

Sample ID **CCV1-151008**	Batch ID: **R82102**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC3_151008A**	Analysis Date: **10/8/2015 4:25:34 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.1	1.00	10.00	0	101	90	110			
Fluoride	4.05	0.400	4.000	0	101	90	110			
Nitrate-N	4.94	0.500	5.000	0	98.9	90	110			
Sulfate	30.6	3.00	30.00	0	102	90	110			

Sample ID **CCV2-151008**	Batch ID: **R82102**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC3_151008A**	Analysis Date: **10/8/2015 9:12:18 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.91	1.00	10.00	0	99.1	90	110			
Fluoride	4.02	0.400	4.000	0	101	90	110			
Nitrate-N	4.89	0.500	5.000	0	97.9	90	110			
Sulfate	30.5	3.00	30.00	0	102	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151008B

The QC data in batch 71801 applies to the following samples: 1510065-01D, 1510065-02D, 1510065-03D, 1510065-04D, 1510065-05D, 1510065-06D

Sample ID **MB-71801**	Batch ID: **71801**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.51**
SampType: **MBLK**	Run ID: **TITRATOR_151008B**	Analysis Date: **10/8/2015 11:13:00 AM**	Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0								
Alkalinity, Total (As CaCO3)	<20.0	20.0								

Sample ID **LCS-71801**	Batch ID: **71801**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.51**
SampType: **LCS**	Run ID: **TITRATOR_151008B**	Analysis Date: **10/8/2015 11:18:00 AM**	Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	54.0	20.0	50.00	0	108	74	129			

Sample ID **1510065-03D DUP**	Batch ID: **71801**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.55**
SampType: **DUP**	Run ID: **TITRATOR_151008B**	Analysis Date: **10/8/2015 1:13:00 PM**	Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	1200	20.0	0	1206				0.824	20	
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	1200	20.0	0	1206				0.824	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151008B

Sample ID **ICV-151008**	Batch ID: **R82096**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.53**
SampType: **ICV**	Run ID: **TITRATOR_151008B**	Analysis Date: **10/8/2015 11:11:00 AM**	Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	7.12	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.4	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	101	20.0	100.0	0	101	98	102			

Sample ID **CCV1-151008**	Batch ID: **R82096**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.48**
SampType: **CCV**	Run ID: **TITRATOR_151008B**	Analysis Date: **10/8/2015 2:50:00 PM**	Prep Date: **10/8/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	6.56	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.4	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	100	20.0	100.0	0	100	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009A

The QC data in batch 71806 applies to the following samples: 1510065-01E, 1510065-02E, 1510065-03E, 1510065-04E, 1510065-05E, 1510065-06E

Sample ID	**MB-71806**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	<2.50	2.50								

Sample ID	**LCS-71806**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	108	25.0	100.0	0	108	85	115			

Sample ID	**1510065-03E-DUP**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**DUP**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	21.7	8.33	0	20.67				4.72	5	

Sample ID	**1510071-02E-DUP**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**DUP**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	81.0	25.0	0	82.00				1.23	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

The QC data in batch 71813 applies to the following samples: 1510065-01C, 1510065-02C, 1510065-03C, 1510065-04C, 1510065-05C, 1510065-06C

Sample ID	**MB-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	<0.100	0.250								

Sample ID	**LCS-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.88	0.250	5.000	0	97.6	80	120			

Sample ID	**1510065-03CMS**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.56	0.250	5.000	1.150	88.2	80	120			

Sample ID	**1510065-03CMSD**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	6.19	0.250	5.000	1.150	101	80	120	10.7	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510065
Project: CRCP - Travis Co

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

Sample ID **ICV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **ICV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	2.48	0.250	2.500	0	99.2	80	120			

Sample ID **CCV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **CCV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.08	0.250	5.000	0	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

October 15, 2015

Kevin Pasternick
URS Corporation
9400 Amberglen Bldg E
Austin, Texas 78729
TEL: (512) 454-4797
FAX (512) 454-8807

Order No.: 1510076

RE: CRCP Travis County

Dear Kevin Pasternick:

DHL Analytical, Inc. received 5 sample(s) on 10/8/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-15

Table of Contents

DHL ANALYTICAL

2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: *www.dhlanalytical.com*
E-Mail: *login@dhlanalytical.com*

nelap — Accrediting Authority

№ 68633

CHAIN-OF-CUSTODY

CLIENT: AECOM
ADDRESS: 9400 Amberglen Blvd
PHONE: 512-750-8740 FAX/E-MAIL: kevin.pasternak@aecom.com
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: 10/8/15 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 1510076
PROJECT LOCATION OR NAME: CRCP Travis County
CLENT PROJECT #: 60407569.41010113.101 COLLECTOR: E. McCoy / K. Pasternak

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID
SE=SEDIMENT

PRESERVATION: HCl, HNO_3, H_2SO_4 ☒ NaOH ☐, ICE, UNPRESERVED

ANALYSES (columns 1–19):
1. BTEX ☐ MTBE ☐ [METHOD 8021]
2. TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐
3. GRO [METHOD 8015] ☐ DRO [METHOD 8105] ☐
4. VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐
5. SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐
6. 8270 PEST ☐ 625 PEST/PCB ☐ 608 PCB ☐
7. 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐
8. 8321 HERB ☐ T PHOS, AMMONIA ☐
9. METALS 6020 ☒ METALS 200.8 ☐ DISS METALS ☐ (4 Cat Ions)
10. RCRA ☐ TX11 ☐ ☐
11. PH ☐ HEX CHROM ☐ ALKALINITY ☒ COD ☐
12. CHLORIDE ☐ ANIONS (NO3, Cl, F, SO4)
13. TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐
14. TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐
15. RCI ☐ FLASHPOINT ☐ DGAS ☐
16. TDS ☐ TSS ☒ % MOISTURE ☐ CYANIDE ☐
17. E300.0/SM2320B
18. TX1005
19. SM4500NH3-Ammonia

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4	ICE	UNPRESERVED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	FIELD NOTES
CRCP-221049-130	01	10/8/15	0915	W	Varies	7	3	1	1	7	2									1		1	1				1	1	3	1	
CRCP-221049-131	02	↓	0915	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
CRCP-Holweger-130	03	↓	1005	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
CRCP-Buecheit-130	04	↓	1100	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	
CRCP-58522-130	05	↓	1143	↓	↓	7	3	1	1	7	2									1		1	1				1	1	3	1	

RELINQUISHED BY: (Signature) [signature] DATE/TIME 10-8-15 / 14:30 RECEIVED BY: (Signature) [signature]
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ *DHL DISPOSAL @ $5.00 each* ☐ *Return*

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ________

LABORATORY USE ONLY:
RECEIVING TEMP: 4.4 THERM #: 78
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☒ NOT USED
CARRIER: ☐ LONE STAR ☐ FEDEX ☐ UPS ☐ OTHER
☐ COURIER DELIVERY
☒ HAND DELIVERED

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name URS Corporation | Date Received: 10/8/2015

Work Order Number 1510076 | Received by MB

Checklist completed by: _____ 10/8/2015 (Signature / Date) | Reviewed by _____ 10/8/2015 (Initials / Date)

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4.4 °C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 8086
	Adjusted? NO		Checked by MB
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Page 1 of 1

DHL Analytical, Inc. **Date:** *15-Oct-15*

CLIENT: URS Corporation
Project: CRCP Travis County
Lab Order: 1510076

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method E300 - Anions Analysis
Method SW6020A - Metals Analysis
Method TX1005 - Total Petroleum Hydrocarbons
Method M2320 B - Alkalinity Analysis
Method M4500-NH3 F - Nitrogen Ammonia Analysis
Method M2540D - Total Suspended Solids

LOG IN

The samples were received and log-in performed on 10/8/2015. A total of 5 samples were received and analyzed. The samples arrived in good condition and were properly packaged.

ANIONS ANALYSIS

For Anions Analysis, the recoveries of two anions for the Matrix Spike and Matrix Spike Duplicate (1510091-01 MS/MSD) were slightly above the method control limits. These are flagged accordingly in the QC Summary Report. These anions were within method control limits the associated LCS. No further corrective action was taken.

METALS ANALYSIS

For Metals Analysis, the recovery of Sodium for the Low Level Calibration Verification(s) (LCVL2/LCVL3-151013) was above the method control limits. The concentration of this analyte detected in the associated samples is similar to the CCV spike levels. This analyte meets method control limits in the associated bracketing QC. No further corrective action was taken.

For Metals Analysis, the recoveries of three analytes for the Matrix Spike and Matrix Spike Duplicate (1510065-03 MS/MSD) were outside of the method control limits. These are flagged accordingly in the QC Summary Report. These analytes were within method control limits the associated LCS. No further corrective action was taken.

TSS ANALYSIS

As per the TCEQ-NELAP accreditation requirement the following must be noted: The Standard Methods for TSS analysis specifies a volume of 1 Liter of sample, and this will result in a minimum detection limit of 2.5 mg/L. For this project, the detection limit of 2.5 mg/L is not required and a smaller volume is being used. NELAP requires a note that if the full 1-liter volume is not utilized, the

results must be discussed in the narrative. The client has been notified and has requested the Laboratory to proceed with analysis.

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT: URS Corporation
Project: CRCP Travis County
Lab Order: 1510076

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1510076-01	CRCP-221049-130		10/08/15 09:15 AM	10/8/2015
1510076-02	CRCP-221049-131		10/08/15 09:15 AM	10/8/2015
1510076-03	CRCP-Holweger-130		10/08/15 10:05 AM	10/8/2015
1510076-04	CRCP-Buccheit-130		10/08/15 11:00 AM	10/8/2015
1510076-05	CRCP-58522-130		10/08/15 11:43 AM	10/8/2015

DHL Analytical, Inc.

15-Oct-15

Lab Order: 1510076
Client: URS Corporation
Project: CRCP Travis County

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1510076-01A	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 10:40 AM	71812
1510076-01B	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510076-01C	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510076-01D	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
1510076-01E	CRCP-221049-130	10/08/15 09:15 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510076-02A	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 10:40 AM	71812
1510076-02B	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510076-02C	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510076-02D	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
1510076-02E	CRCP-221049-131	10/08/15 09:15 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510076-03A	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 10:40 AM	71812
1510076-03B	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510076-03C	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510076-03D	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
1510076-03E	CRCP-Holweger-130	10/08/15 10:05 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510076-04A	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 10:40 AM	71812
1510076-04B	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810

Lab Order: 1510076
Client: URS Corporation
Project: CRCP Travis County

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1510076-04B	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510076-04C	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510076-04D	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
1510076-04E	CRCP-Buccheit-130	10/08/15 11:00 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806
1510076-05A	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 10:40 AM	71812
1510076-05B	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/09/15 10:08 AM	71810
1510076-05C	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510076-05D	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	E300	Anion Preparation	10/09/15 08:59 AM	71807
1510076-05E	CRCP-58522-130	10/08/15 11:43 AM	Aqueous	M2540D	TSS Preparation	10/09/15 08:12 AM	71806

Lab Order: 1510076
Client: URS Corporation
Project: CRCP Travis County

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1510076-01A	CRCP-221049-130	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 01:42 PM	GC12_151009B
1510076-01B	CRCP-221049-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:21 PM	ICP-MS4_151012B
	CRCP-221049-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:10 PM	ICP-MS4_151013B
	CRCP-221049-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:41 PM	ICP-MS4_151013B
1510076-01C	CRCP-221049-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510076-01D	CRCP-221049-130	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 11:45 AM	TITRATOR_151012B
	CRCP-221049-130	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 10:33 AM	IC2_151009A
1510076-01E	CRCP-221049-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510076-02A	CRCP-221049-131	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 01:51 PM	GC12_151009B
1510076-02B	CRCP-221049-131	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:23 PM	ICP-MS4_151012B
	CRCP-221049-131	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:12 PM	ICP-MS4_151013B
	CRCP-221049-131	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:43 PM	ICP-MS4_151013B
1510076-02C	CRCP-221049-131	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510076-02D	CRCP-221049-131	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 12:06 PM	TITRATOR_151012B
	CRCP-221049-131	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 10:48 AM	IC2_151009A
1510076-02E	CRCP-221049-131	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510076-03A	CRCP-Holweger-130	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 02:00 PM	GC12_151009B
1510076-03B	CRCP-Holweger-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	100	10/13/15 03:09 PM	ICP-MS4_151013B
	CRCP-Holweger-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:25 PM	ICP-MS4_151012B
	CRCP-Holweger-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:14 PM	ICP-MS4_151013B
	CRCP-Holweger-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:45 PM	ICP-MS4_151013B
1510076-03C	CRCP-Holweger-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510076-03D	CRCP-Holweger-130	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 12:18 PM	TITRATOR_151012B
	CRCP-Holweger-130	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 11:02 AM	IC2_151009A
1510076-03E	CRCP-Holweger-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510076-04A	CRCP-Buccheit-130	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 02:09 PM	GC12_151009B
1510076-04B	CRCP-Buccheit-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:27 PM	ICP-MS4_151012B
	CRCP-Buccheit-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/13/15 02:16 PM	ICP-MS4_151013B

Lab Order: 1510076
Client: URS Corporation
Project: CRCP Travis County

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1510076-04B	CRCP-Buccheit-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:47 PM	ICP-MS4_151013B
	CRCP-Buccheit-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	100	10/13/15 03:11 PM	ICP-MS4_151013B
1510076-04C	CRCP-Buccheit-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510076-04D	CRCP-Buccheit-130	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 12:30 PM	TITRATOR_151012B
	CRCP-Buccheit-130	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 11:17 AM	IC2_151009A
1510076-04E	CRCP-Buccheit-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A
1510076-05A	CRCP-58522-130	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 02:18 PM	GC12_151009B
1510076-05B	CRCP-58522-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	1	10/12/15 12:45 PM	ICP-MS4_151012B
	CRCP-58522-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	10	10/13/15 02:49 PM	ICP-MS4_151013B
	CRCP-58522-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71810	100	10/13/15 03:13 PM	ICP-MS4_151013B
1510076-05C	CRCP-58522-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510076-05D	CRCP-58522-130	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 12:44 PM	TITRATOR_151012B
	CRCP-58522-130	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 11:31 AM	IC2_151009A
	CRCP-58522-130	Aqueous	E300	Anions by IC method - Water	71807	10	10/09/15 12:52 PM	IC2_151009A
1510076-05E	CRCP-58522-130	Aqueous	M2540D	Total Suspended Solids	71806	1	10/09/15 10:40 AM	WC_151009A

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-221049-130
Project:	CRCP Travis County	**Lab ID:**	1510076-01
Project No:	60407569.41010113.101	**Collection Date:**	10/08/15 09:15 AM
Lab Order:	1510076	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.696	0.696	1.99		mg/L	1	10/09/15 01:42 PM
T/R Hydrocarbons: >C12-C28	<0.696	0.696	1.99		mg/L	1	10/09/15 01:42 PM
T/R Hydrocarbons: >C28-C35	<0.696	0.696	1.99		mg/L	1	10/09/15 01:42 PM
T/R Hydrocarbons: C6-C35	<0.696	0.696	1.99		mg/L	1	10/09/15 01:42 PM
Surr: Isopropylbenzene	86.5	0	70-130		%REC	1	10/09/15 01:42 PM
Surr: Octacosane	90.1	0	70-130		%REC	1	10/09/15 01:42 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	90.4	1.00	3.00		mg/L	10	10/13/15 02:41 PM
Magnesium	11.6	0.100	0.300		mg/L	1	10/13/15 02:10 PM
Potassium	1.87	0.100	0.300		mg/L	1	10/12/15 12:21 PM
Sodium	34.8	1.00	3.00		mg/L	10	10/13/15 02:41 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	18.5	0.300	1.00		mg/L	1	10/09/15 10:33 AM
Fluoride	0.127	0.100	0.400	J	mg/L	1	10/09/15 10:33 AM
Nitrate-N	11.7	0.100	0.500		mg/L	1	10/09/15 10:33 AM
Sulfate	22.5	1.00	3.00		mg/L	1	10/09/15 10:33 AM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	292	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 11:45 AM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 11:45 AM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 11:45 AM
Alkalinity, Total (As CaCO3)	292	20.0	20.0		mg/L @ pH 4.53	1	10/12/15 11:45 AM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.208	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.63	2.63	2.63		mg/L	1	10/09/15 10:40 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-221049-131
Project:	CRCP Travis County	**Lab ID:**	1510076-02
Project No:	60407569.41010113.101	**Collection Date:**	10/08/15 09:15 AM
Lab Order:	1510076	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.680	0.680	1.94		mg/L	1	10/09/15 01:51 PM
T/R Hydrocarbons: >C12-C28	<0.680	0.680	1.94		mg/L	1	10/09/15 01:51 PM
T/R Hydrocarbons: >C28-C35	<0.680	0.680	1.94		mg/L	1	10/09/15 01:51 PM
T/R Hydrocarbons: C6-C35	<0.680	0.680	1.94		mg/L	1	10/09/15 01:51 PM
Surr: Isopropylbenzene	89.6	0	70-130		%REC	1	10/09/15 01:51 PM
Surr: Octacosane	91.8	0	70-130		%REC	1	10/09/15 01:51 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	89.2	1.00	3.00		mg/L	10	10/13/15 02:43 PM
Magnesium	11.4	0.100	0.300		mg/L	1	10/13/15 02:12 PM
Potassium	1.86	0.100	0.300		mg/L	1	10/12/15 12:23 PM
Sodium	34.6	1.00	3.00		mg/L	10	10/13/15 02:43 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	18.5	0.300	1.00		mg/L	1	10/09/15 10:48 AM
Fluoride	0.121	0.100	0.400	J	mg/L	1	10/09/15 10:48 AM
Nitrate-N	11.8	0.100	0.500		mg/L	1	10/09/15 10:48 AM
Sulfate	22.7	1.00	3.00		mg/L	1	10/09/15 10:48 AM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	294	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:06 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:06 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:06 PM
Alkalinity, Total (As CaCO3)	294	20.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:06 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.192	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.70	2.70	2.70		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-Holweger-130
Project:	CRCP Travis County	**Lab ID:**	1510076-03
Project No:	60407569.41010113.101	**Collection Date:**	10/08/15 10:05 AM
Lab Order:	1510076	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.689	0.689	1.97		mg/L	1	10/09/15 02:00 PM
T/R Hydrocarbons: >C12-C28	<0.689	0.689	1.97		mg/L	1	10/09/15 02:00 PM
T/R Hydrocarbons: >C28-C35	<0.689	0.689	1.97		mg/L	1	10/09/15 02:00 PM
T/R Hydrocarbons: C6-C35	<0.689	0.689	1.97		mg/L	1	10/09/15 02:00 PM
Surr: Isopropylbenzene	88.6	0	70-130		%REC	1	10/09/15 02:00 PM
Surr: Octacosane	93.1	0	70-130		%REC	1	10/09/15 02:00 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	103	10.0	30.0		mg/L	100	10/13/15 03:09 PM
Magnesium	16.0	0.100	0.300		mg/L	1	10/13/15 02:14 PM
Potassium	1.89	0.100	0.300		mg/L	1	10/12/15 12:25 PM
Sodium	34.5	1.00	3.00		mg/L	10	10/13/15 02:45 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	18.4	0.300	1.00		mg/L	1	10/09/15 11:02 AM
Fluoride	0.119	0.100	0.400	J	mg/L	1	10/09/15 11:02 AM
Nitrate-N	14.7	0.100	0.500		mg/L	1	10/09/15 11:02 AM
Sulfate	27.1	1.00	3.00		mg/L	1	10/09/15 11:02 AM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	327	10.0	20.0		mg/L @ pH 4.52	1	10/12/15 12:18 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.52	1	10/12/15 12:18 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.52	1	10/12/15 12:18 PM
Alkalinity, Total (As CaCO3)	327	20.0	20.0		mg/L @ pH 4.52	1	10/12/15 12:18 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	<0.100	0.100	0.250		mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.63	2.63	2.63		mg/L	1	10/09/15 10:40 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-Buccheit-130
Project:	CRCP Travis County	**Lab ID:**	1510076-04
Project No:	60407569.41010113.101	**Collection Date:**	10/08/15 11:00 AM
Lab Order:	1510076	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.678	0.678	1.94		mg/L	1	10/09/15 02:09 PM
T/R Hydrocarbons: >C12-C28	<0.678	0.678	1.94		mg/L	1	10/09/15 02:09 PM
T/R Hydrocarbons: >C28-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 02:09 PM
T/R Hydrocarbons: C6-C35	<0.678	0.678	1.94		mg/L	1	10/09/15 02:09 PM
Surr: Isopropylbenzene	87.7	0	70-130		%REC	1	10/09/15 02:09 PM
Surr: Octacosane	89.7	0	70-130		%REC	1	10/09/15 02:09 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	114	10.0	30.0		mg/L	100	10/13/15 03:11 PM
Magnesium	11.8	0.100	0.300		mg/L	1	10/13/15 02:16 PM
Potassium	2.30	0.100	0.300		mg/L	1	10/12/15 12:27 PM
Sodium	55.8	1.00	3.00		mg/L	10	10/13/15 02:47 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	36.2	0.300	1.00		mg/L	1	10/09/15 11:17 AM
Fluoride	0.202	0.100	0.400	J	mg/L	1	10/09/15 11:17 AM
Nitrate-N	5.39	0.100	0.500		mg/L	1	10/09/15 11:17 AM
Sulfate	98.9	1.00	3.00		mg/L	1	10/09/15 11:17 AM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	324	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:30 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:30 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:30 PM
Alkalinity, Total (As CaCO3)	324	20.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:30 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	<0.100	0.100	0.250		mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.56	2.56	2.56		mg/L	1	10/09/15 10:40 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical, Inc.

Date: *15-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-58522-130
Project:	CRCP Travis County	**Lab ID:**	1510076-05
Project No:	60407569.41010113.101	**Collection Date:**	10/08/15 11:43 AM
Lab Order:	1510076	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.689	0.689	1.97		mg/L	1	10/09/15 02:18 PM
T/R Hydrocarbons: >C12-C28	<0.689	0.689	1.97		mg/L	1	10/09/15 02:18 PM
T/R Hydrocarbons: >C28-C35	<0.689	0.689	1.97		mg/L	1	10/09/15 02:18 PM
T/R Hydrocarbons: C6-C35	<0.689	0.689	1.97		mg/L	1	10/09/15 02:18 PM
Surr: Isopropylbenzene	89.5	0	70-130		%REC	1	10/09/15 02:18 PM
Surr: Octacosane	93.4	0	70-130		%REC	1	10/09/15 02:18 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	105	10.0	30.0		mg/L	100	10/13/15 03:13 PM
Magnesium	34.0	1.00	3.00		mg/L	10	10/13/15 02:49 PM
Potassium	1.92	0.100	0.300		mg/L	1	10/12/15 12:45 PM
Sodium	70.8	1.00	3.00		mg/L	10	10/13/15 02:49 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	94.1	3.00	10.0		mg/L	10	10/09/15 12:52 PM
Fluoride	0.129	0.100	0.400	J	mg/L	1	10/09/15 11:31 AM
Nitrate-N	4.79	0.100	0.500		mg/L	1	10/09/15 11:31 AM
Sulfate	73.2	1.00	3.00		mg/L	1	10/09/15 11:31 AM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	382	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:44 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:44 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:44 PM
Alkalinity, Total (As CaCO3)	382	20.0	20.0		mg/L @ pH 4.53	1	10/12/15 12:44 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	<0.100	0.100	0.250		mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.51	2.51	2.51		mg/L	1	10/09/15 10:40 AM

Qualifiers:	*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
	C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
	E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
	MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
	RL	Reporting Limit	S	Spike Recovery outside control limits
	N	Parameter not NELAC certified		

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009B

The QC data in batch 71812 applies to the following samples: 1510076-01A, 1510076-02A, 1510076-03A, 1510076-04A, 1510076-05A

Sample ID **LCS-71812** Batch ID: **71812** TestNo: **TX1005** Units: **mg/L**
SampType: **LCS** Run ID: **GC12_151009B** Analysis Date: **10/9/2015 1:07:21 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.9	2.00	25.00	0	99.4	75	125			
Surr: Isopropylbenzene	2.20		2.500		88.1	70	130			
Surr: Octacosane	2.23		2.500		89.4	70	130			

Sample ID **LCSD-71812** Batch ID: **71812** TestNo: **TX1005** Units: **mg/L**
SampType: **LCSD** Run ID: **GC12_151009B** Analysis Date: **10/9/2015 1:16:23 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.7	2.00	25.00	0	98.9	75	125	0.490	20	
Surr: Isopropylbenzene	2.25		2.500		90.2	70	130	0	0	
Surr: Octacosane	2.26		2.500		90.2	70	130	0	0	

Sample ID **MB-71812** Batch ID: **71812** TestNo: **TX1005** Units: **mg/L**
SampType: **MBLK** Run ID: **GC12_151009B** Analysis Date: **10/9/2015 1:25:25 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	<0.700	2.00								
T/R Hydrocarbons: >C12-C28	<0.700	2.00								
T/R Hydrocarbons: >C28-C35	<0.700	2.00								
T/R Hydrocarbons: C6-C35	<0.700	2.00								
Surr: Isopropylbenzene	2.20		2.500		88.1	70	130			
Surr: Octacosane	2.30		2.500		92.1	70	130			

Sample ID **1510076-05AMS** Batch ID: **71812** TestNo: **TX1005** Units: **mg/L**
SampType: **MS** Run ID: **GC12_151009B** Analysis Date: **10/9/2015 2:27:25 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.9	1.96	24.47	0	102	75	125			
Surr: Isopropylbenzene	2.24		2.447		91.5	70	130			
Surr: Octacosane	2.20		2.447		90.0	70	130			

Sample ID **1510076-05AMSD** Batch ID: **71812** TestNo: **TX1005** Units: **mg/L**
SampType: **MSD** Run ID: **GC12_151009B** Analysis Date: **10/9/2015 2:36:26 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.6	1.97	24.65	0	99.7	75	125	1.23	20	
Surr: Isopropylbenzene	2.22		2.465		90.0	70	130	0	0	
Surr: Octacosane	2.21		2.465		89.7	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009B

Sample ID **ICV-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 9:33:10 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	1090	2.00	1000	0	109	75	125			
Surr: Isopropylbenzene	45.4		50.00		90.9	70	130			
Surr: Octacosane	43.7		50.00		87.3	70	130			

Sample ID **CCV1-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 12:57:56 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	564	2.00	500.0	0	113	75	125			
Surr: Isopropylbenzene	23.9		25.00		95.6	70	130			
Surr: Octacosane	25.8		25.00		103	70	130			

Sample ID **CCV2-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 3:39:26 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	571	2.00	500.0	0	114	75	125			
Surr: Isopropylbenzene	23.9		25.00		95.7	70	130			
Surr: Octacosane	26.1		25.00		104	70	130			

Qualifiers:			
B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

The QC data in batch 71810 applies to the following samples: 1510076-01B, 1510076-02B, 1510076-03B, 1510076-04B, 1510076-05B

Sample ID **MB-71810** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **MBLK** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 11:57:00 A** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	<0.100	0.300								
Potassium	<0.100	0.300								
Sodium	<0.100	0.300								

Sample ID **LCS-71810** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCS** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:01:00 P** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.89	0.300	5.00	0	97.8	80	120			
Potassium	5.15	0.300	5.00	0	103	80	120			
Sodium	5.32	0.300	5.00	0	106	80	120			

Sample ID **LCSD-71810** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCSD** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:03:00 P** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.67	0.300	5.00	0	93.5	80	120	4.56	15	
Potassium	4.97	0.300	5.00	0	99.4	80	120	3.65	15	
Sodium	5.05	0.300	5.00	0	101	80	120	5.19	15	

Sample ID **1510065-03B SD** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **SD** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:09:00 P** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	9.86	1.50	0	9.63				2.37	10	

Sample ID **1510065-03B PDS** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **PDS** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:29:00 P** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	14.1	0.300	5.00	9.63	89.8	80	120			

Sample ID **1510065-03B MS** Batch ID: **71810** TestNo: **SW6020A** Units: **mg/L**
SampType: **MS** Run ID: **ICP-MS4_151012B** Analysis Date: **10/12/2015 12:30:00 P** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	287	0.300	5.00	293	-117	80	120			S
Potassium	14.5	0.300	5.00	9.63	98.0	80	120			
Sodium	85.7	0.300	5.00	82.3	68.0	80	120			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID **1510065-03B MSD**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**		
SampType: **MSD**	Run ID: **ICP-MS4_151012B**	Analysis Date: **10/12/2015 12:32:00 P**	Prep Date: **10/9/2015**		

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	280	0.300	5.00	293	-259	80	120	2.52	15	S
Potassium	13.9	0.300	5.00	9.63	85.6	80	120	4.36	15	
Sodium	82.6	0.300	5.00	82.3	4.71	80	120	3.76	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID	**ICV-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**ICV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:16:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	2.51	0.300	2.50	0	100	90	110			
Potassium	2.70	0.300	2.50	0	108	90	110			
Sodium	2.74	0.300	2.50	0	110	90	110			

Sample ID	**LCVL-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:21:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0998	0.300	0.100	0	99.8	70	130			
Potassium	0.110	0.300	0.100	0	110	70	130			
Sodium	0.116	0.300	0.100	0	116	70	130			

Sample ID	**CCV1-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**CCV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:47:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.81	0.300	5.00	0	96.2	90	110			
Potassium	5.12	0.300	5.00	0	102	90	110			
Sodium	5.20	0.300	5.00	0	104	90	110			

Sample ID	**LCVL1-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 11:52:00 A**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0949	0.300	0.100	0	94.9	70	130			
Potassium	0.114	0.300	0.100	0	114	70	130			
Sodium	0.114	0.300	0.100	0	114	70	130			

Sample ID	**CCV2-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**CCV**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:34:00 P**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.90	0.300	5.00	0	97.9	90	110			
Potassium	5.08	0.300	5.00	0	102	90	110			
Sodium	5.26	0.300	5.00	0	105	90	110			

Sample ID	**LCVL2-151012**	Batch ID:	**R82128**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151012B**	Analysis Date:	**10/12/2015 12:39:00 P**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.110	0.300	0.100	0	110	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151012B

Sample ID **LCVL2-151012**	Batch ID: **R82128**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151012B**	Analysis Date: **10/12/2015 12:39:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	0.102	0.300	0.100	0	102	70	130			
Sodium	0.114	0.300	0.100	0	114	70	130			

Sample ID **CCV3-151012**	Batch ID: **R82128**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151012B**	Analysis Date: **10/12/2015 12:57:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	5.10	0.300	5.00	0	102	90	110			

Sample ID **LCVL3-151012**	Batch ID: **R82128**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151012B**	Analysis Date: **10/12/2015 1:13:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	0.124	0.300	0.100	0	124	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

The QC data in batch 71810 applies to the following samples: 1510076-01B, 1510076-02B, 1510076-03B, 1510076-04B, 1510076-05B

Sample ID	**MB-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:54:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	<0.100	0.300								

Sample ID	**LCS-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:56:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.75	0.300	5.00	0	95.0	80	120			

Sample ID	**LCSD-71810**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCSD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 1:58:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.64	0.300	5.00	0	92.7	80	120	2.44	15	

Sample ID	**1510065-03B SD**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**SD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:04:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	66.7	15.0	0	65.8				1.38	10	
Sodium	82.0	15.0	0	77.0				6.37	10	

Sample ID	**1510065-03B PDS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**PDS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:17:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	115	3.00	50.0	65.8	98.0	80	120			
Sodium	127	3.00	50.0	77.0	101	80	120			

Sample ID	**1510065-03B MS**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:19:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	69.5	3.00	5.00	65.8	73.8	80	120			S

Sample ID	**1510065-03B MSD**	Batch ID:	**71810**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**ICP-MS4_151013B**	Analysis Date:	**10/13/2015 2:21:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	67.7	3.00	5.00	65.8	37.8	80	120	2.62	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **1510065-03B SD**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:03:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	293	150	0	291				0.817	10	

Sample ID **1510065-03B PDS**	Batch ID: **71810**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 3:05:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	752	30.0	500	291	92.1	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **ICV-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 12:03:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	2.28	0.300	2.50	0	91.3	90	110			
Magnesium	2.43	0.300	2.50	0	97.1	90	110			
Potassium	2.40	0.300	2.50	0	96.0	90	110			
Sodium	2.40	0.300	2.50	0	95.9	90	110			

Sample ID **LCVL-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 12:08:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0998	0.300	0.100	0	99.8	70	130			
Magnesium	0.0993	0.300	0.100	0	99.3	70	130			
Potassium	0.105	0.300	0.100	0	105	70	130			
Sodium	0.104	0.300	0.100	0	104	70	130			

Sample ID **CCV2-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 1:43:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.83	0.300	5.00	0	96.6	90	110			
Sodium	5.00	0.300	5.00	0	100	90	110			

Sample ID **LCVL2-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 1:49:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	0.0982	0.300	0.100	0	98.2	70	130			
Sodium	0.180	0.300	0.100	0	180	70	130			S

Sample ID **CCV3-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:23:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.74	0.300	5.00	0	94.7	90	110			
Magnesium	4.82	0.300	5.00	0	96.4	90	110			
Potassium	4.76	0.300	5.00	0	95.2	90	110			
Sodium	4.90	0.300	5.00	0	98.1	90	110			

Sample ID **LCVL3-151013**	Batch ID: **R82161**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151013B**	Analysis Date: **10/13/2015 2:28:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151013B

Sample ID **LCVL3-151013** Batch ID: **R82161** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS4_151013B** Analysis Date: **10/13/2015 2:28:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.100	0.300	0.100	0	100	70	130			
Magnesium	0.0997	0.300	0.100	0	99.7	70	130			
Potassium	0.0992	0.300	0.100	0	99.2	70	130			
Sodium	0.148	0.300	0.100	0	148	70	130			S

Sample ID **CCV4-151013** Batch ID: **R82161** TestNo: **SW6020A** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_151013B** Analysis Date: **10/13/2015 2:53:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.74	0.300	5.00	0	94.7	90	110			
Magnesium	4.81	0.300	5.00	0	96.1	90	110			
Potassium	4.76	0.300	5.00	0	95.2	90	110			
Sodium	4.87	0.300	5.00	0	97.4	90	110			

Sample ID **LCVL4-151013** Batch ID: **R82161** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS4_151013B** Analysis Date: **10/13/2015 2:57:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.0938	0.300	0.100	0	93.8	70	130			
Magnesium	0.0980	0.300	0.100	0	98.0	70	130			
Potassium	0.0935	0.300	0.100	0	93.5	70	130			
Sodium	0.127	0.300	0.100	0	127	70	130			

Sample ID **CCV5-151013** Batch ID: **R82161** TestNo: **SW6020A** Units: **mg/L**
SampType: **CCV** Run ID: **ICP-MS4_151013B** Analysis Date: **10/13/2015 3:15:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.72	0.300	5.00	0	94.4	90	110			

Sample ID **LCVL5-151013** Batch ID: **R82161** TestNo: **SW6020A** Units: **mg/L**
SampType: **LCVL** Run ID: **ICP-MS4_151013B** Analysis Date: **10/13/2015 3:20:00 PM** Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.101	0.300	0.100	0	101	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_151009A

The QC data in batch 71807 applies to the following samples: 1510076-01D, 1510076-02D, 1510076-03D, 1510076-04D, 1510076-05D

Sample ID **LCS-71807** Batch ID: **71807** TestNo: **E300** Units: **mg/L**
SampType: **LCS** Run ID: **IC2_151009A** Analysis Date: **10/9/2015 9:26:10 AM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.2	1.00	10.00	0	102	90	110			
Fluoride	3.71	0.400	4.000	0	92.8	90	110			
Nitrate-N	5.35	0.500	5.000	0	107	90	110			
Sulfate	30.2	3.00	30.00	0	101	90	110			

Sample ID **LCSD-71807** Batch ID: **71807** TestNo: **E300** Units: **mg/L**
SampType: **LCSD** Run ID: **IC2_151009A** Analysis Date: **10/9/2015 9:40:45 AM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.1	1.00	10.00	0	101	90	110	0.615	20	
Fluoride	3.67	0.400	4.000	0	91.8	90	110	1.04	20	
Nitrate-N	5.30	0.500	5.000	0	106	90	110	1.06	20	
Sulfate	29.5	3.00	30.00	0	98.4	90	110	2.30	20	

Sample ID **MB-71807** Batch ID: **71807** TestNo: **E300** Units: **mg/L**
SampType: **MBLK** Run ID: **IC2_151009A** Analysis Date: **10/9/2015 9:55:19 AM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Nitrate-N	<0.100	0.500								
Sulfate	<1.00	3.00								

Sample ID **1510091-01DMS** Batch ID: **71807** TestNo: **E300** Units: **mg/L**
SampType: **MS** Run ID: **IC2_151009A** Analysis Date: **10/9/2015 2:02:26 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	266	10.0	200.0	53.64	106	90	110			
Fluoride	207	4.00	200.0	0	103	90	110			
Nitrate-N	61.0	5.00	45.16	9.262	115	90	110			S
Sulfate	357	30.0	200.0	123.7	117	90	110			S

Sample ID **1510091-01DMSD** Batch ID: **71807** TestNo: **E300** Units: **mg/L**
SampType: **MSD** Run ID: **IC2_151009A** Analysis Date: **10/9/2015 2:17:00 PM** Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	264	10.0	200.0	53.64	105	90	110	0.589	20	
Fluoride	206	4.00	200.0	0	103	90	110	0.324	20	
Nitrate-N	60.3	5.00	45.16	9.262	113	90	110	1.24	20	S
Sulfate	359	30.0	200.0	123.7	118	90	110	0.724	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_151009A

Sample ID **ICV-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 8:57:37 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	24.9	1.00	25.00	0	99.6	90	110			
Fluoride	10.1	0.400	10.00	0	101	90	110			
Nitrate-N	13.4	0.500	12.50	0	107	90	110			
Sulfate	75.8	3.00	75.00	0	101	90	110			

Sample ID **CCV1-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 1:10:32 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.99	1.00	10.00	0	99.9	90	110			
Fluoride	3.94	0.400	4.000	0	98.5	90	110			
Nitrate-N	5.30	0.500	5.000	0	106	90	110			
Sulfate	29.6	3.00	30.00	0	98.6	90	110			

Sample ID **CCV2-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 2:31:35 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.3	1.00	10.00	0	103	90	110			
Fluoride	4.12	0.400	4.000	0	103	90	110			
Nitrate-N	5.43	0.500	5.000	0	109	90	110			
Sulfate	31.0	3.00	30.00	0	103	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151012B

The QC data in batch 71826 applies to the following samples: 1510076-01D, 1510076-02D, 1510076-03D, 1510076-04D, 1510076-05D

Sample ID **MB-71826** Batch ID: **71826** TestNo: **M2320 B** Units: **mg/L @ pH 4.51**
SampType: **MBLK** Run ID: **TITRATOR_151012B** Analysis Date: **10/12/2015 11:28:00 A** Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0								
Alkalinity, Total (As CaCO3)	<20.0	20.0								

Sample ID **LCS-71826** Batch ID: **71826** TestNo: **M2320 B** Units: **mg/L @ pH 4.52**
SampType: **LCS** Run ID: **TITRATOR_151012B** Analysis Date: **10/12/2015 11:33:00 A** Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	53.7	20.0	50.00	0	107	74	129			

Sample ID **1510076-01D DUP** Batch ID: **71826** TestNo: **M2320 B** Units: **mg/L @ pH 4.53**
SampType: **DUP** Run ID: **TITRATOR_151012B** Analysis Date: **10/12/2015 11:55:00 A** Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	292	20.0	0	292.4				0.103	20	
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	292	20.0	0	292.4				0.103	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151012B

Sample ID **ICV-151012**	Batch ID: **R82152**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.53**
SampType: **ICV**	Run ID: **TITRATOR_151012B**	Analysis Date: **10/12/2015 11:26:00 A**	Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	6.24	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.6	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	99.8	20.0	100.0	0	99.8	98	102			

Sample ID **CCV1-151012**	Batch ID: **R82152**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.52**
SampType: **CCV**	Run ID: **TITRATOR_151012B**	Analysis Date: **10/12/2015 2:20:00 PM**	Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	6.88	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.6	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	100	20.0	100.0	0	100	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009A

The QC data in batch 71806 applies to the following samples: 1510076-01E, 1510076-02E, 1510076-03E, 1510076-04E, 1510076-05E

Sample ID	**MB-71806**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	<2.50	2.50								

Sample ID	**LCS-71806**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	108	25.0	100.0	0	108	85	115			

Sample ID	**1510065-03E-DUP**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**DUP**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	21.7	8.33	0	20.67				4.72	5	

Sample ID	**1510071-02E-DUP**	Batch ID:	**71806**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**DUP**	Run ID:	**WC_151009A**	Analysis Date:	**10/9/2015 10:40:00 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	81.0	25.0	0	82.00				1.23	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

The QC data in batch 71813 applies to the following samples: 1510076-01C, 1510076-02C, 1510076-03C, 1510076-04C, 1510076-05C

Sample ID	**MB-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	<0.100	0.250								

Sample ID	**LCS-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.88	0.250	5.000	0	97.6	80	120			

Sample ID	**1510065-03CMS**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.56	0.250	5.000	1.150	88.2	80	120			

Sample ID	**1510065-03CMSD**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	6.19	0.250	5.000	1.150	101	80	120	10.7	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510076
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

Sample ID **ICV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **ICV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	2.48	0.250	2.500	0	99.2	80	120			

Sample ID **CCV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **CCV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.19	0.250	5.000	0	104	80	120			

Sample ID **CCV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **CCV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.08	0.250	5.000	0	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

October 16, 2015

Kevin Pasternick
URS Corporation
9400 Amberglen Bldg E
Austin, Texas 78729
TEL: (512) 454-4797
FAX (512) 454-8807

Order No.: 1510091

RE: CRCP Travis County

Dear Kevin Pasternick:

DHL Analytical, Inc. received 1 sample(s) on 10/9/2015 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-15-15

Table of Contents

DHL ANALYTICAL

2300 Double Creek Dr. ■ Round Rock, TX 78664
Phone (512) 388-8222 ■ FAX (512) 388-8229
Web: *www.dhlanalytical.com*
E-Mail: *login@dhlanalytical.com*

№ 65641

CHAIN-OF-CUSTODY

CLIENT: AECOM
ADDRESS: 9400 Amberglen Blvd
PHONE: 512-750-8740 FAX/E-MAIL: kevin.pasternak@aecom.com
DATA REPORTED TO:
ADDITIONAL REPORT COPIES TO:

DATE: 10/9/15 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 1510091
PROJECT LOCATION OR NAME: CRCP Travis County
CLENT PROJECT #: 60407569.41010113.101 COLLECTOR: E McCoy / K. Pasternak

Authorize 5% surcharge for TRRP Report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR O=OTHER
L=LIQUID SO=SOLID

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES:
1. BTEX ☐ MTBE ☐ [METHOD 8021]
2. TPH 1005 ☐ TPH 1006 ☐ HOLD 1006 ☐
3. GRO [METHOD 8015] ☐ DRO [METHOD 8105] ☐
4. VOC 8260 ☐ VOC 624 ☐ VOC 8260/5035 ☐
5. SVOC 8270 ☐ PAH 8270 ☐ HOLD PAH ☐ SVOC 625 ☐
6. 8081 PEST ☐ 608 PEST/PCB ☐ 8270 PEST ☐
7. 8270 O-P PEST ☐ 8082 PCB ☐ 8270 PCB ☐
8. 8321 HERB ☐ 8330 EXPL ☐ PERCHLORATE ☐
9. METALS 6020 ☒ METALS 200.8 ☐ DISS. METALS ☐ (+Ca, Mg, K)
10. RCRA ☐ TX11 ☐ ______ ☐
11. PH ☐ HEX CHROM ☐ ALKALINITY ☒
12. CHLORIDE ☐ ANIONS ☒ NO_3, Cl, F, SO_4
13. TCLP-SVOC ☐ VOC ☐ PEST ☐ HERB ☐
14. TCLP-METALS ☐ RCRA 8 ☐ TX-11 ☐ Pb ☐
15. RCI ☐ TOX ☐ FLASHPOINT ☐
16. TDS ☐ TSS ☒ % MOISTURE ☐ CYANIDE ☐
17. E300.0/SM 2320B
18. TX1005
19. SM4500 NH3-AMMONIA

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 / NaOH	ICE	UNPRESERVED	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	FIELD NOTES
CRCP-ATF1-180	01	10/9/15	0940	W	Varies	7	3	1	1	7	2									1		1	1				1	1	3	1	
TOTAL																															

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	10-9-15/1125	[signature]

☐ *DHL DISPOSAL @ $5.00 each* ☐ *Return*

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☒
OTHER ☐ ______

LABORATORY USE ONLY:
RECEIVING TEMP: 0.9 THERM #: 78
CUSTODY SEALS: ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #:
☐ APC DELIVERY
☒ HAND DELIVERED

DHL Analytical, Inc.

Sample Receipt Checklist

Client Name URS Corporation

Date Received: 10/9/2015

Work Order Number 1510091

Received by JB

Checklist completed by: [signature] 10/9/2015 (Signature / Date)

Reviewed by [initials] 10/9/2015 (Initials / Date)

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	0.9 °C
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH<2 acceptable upon receipt?	Yes ☑	No ☐	NA ☐ LOT # 8086
	Adjusted? NO		Checked by [initials]
Water - ph>9 (S) or ph>12 (CN) acceptable upon receipt?	Yes ☐	No ☐	NA ☑ LOT #
	Adjusted? _____		Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Page 1 of 1

CLIENT: URS Corporation
Project: CRCP Travis County
Lab Order: 1510091

CASE NARRATIVE

Sample was analyzed using the methods outlined in the following references:

Method E300 - Anions Analysis
Method SW6020A - Metals Analysis
Method TX1005 - Total Petroleum Hydrocarbons
Method M2320 B - Alkalinity Analysis
Method M4500-NH3 F - Nitrogen Ammonia Analysis
Method M2540D - Total Suspended Solids

LOG IN

The samples were received and log-in performed on 10/9/2015. A total of 1 sample was received and analyzed. The sample arrived in good condition and was properly packaged.

ANIONS ANALYSIS

For Anions Analysis, the recoveries of two anions for the Matrix Spike and Matrix Spike Duplicate (1510091-01 MS/MSD) were slightly above the method control limits. These are flagged accordingly in the QC Summary Report. These anions were within method control limits the associated LCS. No further corrective action was taken.

METALS ANALYSIS

For Metals Analysis, the recovery of Sodium for the Low Level Calibration Verification (LCVL1-151015) was above the method control limits. The concentration of this analyte was detected in the associated sample as similar spike levels as the CCV. This analyte meets method control limits in the associated bracketing QC. No further corrective action was taken.

TSS ANALYSIS

As per the TCEQ-NELAP accreditation requirement the following must be noted: The Standard Methods for TSS analysis specifies a volume of 1 Liter of sample, and this will result in a minimum detection limit of 2.5 mg/L. For this project, the detection limit of 2.5 mg/L is not required and a smaller volume is being used. NELAP requires a note that if the full 1-liter volume is not utilized, the results must be discussed in the narrative. The client has been notified and has requested the Laboratory to proceed with analysis.

For TSS Analysis, the RPD of the Sample Duplicate (1510083-01 Dup) was above the method control limit. This is flagged accordingly in the QC Summary Report. The associated LCS was within method

control limits. No further corrective action was taken.

DHL Analytical, Inc.

Date: *16-Oct-15*

CLIENT: URS Corporation
Project: CRCP Travis County
Lab Order: 1510091

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1510091-01	CRCP-ATF1-130		10/09/15 09:40 AM	10/9/2015

Lab Order: 1510091
Client: URS Corporation
Project: CRCP Travis County

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1510091-01A	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	TX1005	TX1005 Water Prep	10/09/15 11:35 AM	71812
1510091-01B	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/14/15 08:52 AM	71859
	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	10/14/15 08:52 AM	71859
1510091-01C	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	M4500-NH3-D	Ammonia Preparation	10/09/15 10:46 AM	71813
1510091-01D	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	M2320 B	Alkalinity Preparation	10/12/15 09:10 AM	71826
	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	E300	Anion Preparation	10/09/15 11:35 AM	71807
	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	E300	Anion Preparation	10/09/15 11:35 AM	71807
1510091-01E	CRCP-ATF1-130	10/09/15 09:40 AM	Aqueous	M2540D	TSS Preparation	10/13/15 03:15 PM	71855

Lab Order: 1510091
Client: URS Corporation
Project: CRCP Travis County

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1510091-01A	CRCP-ATF1-130	Aqueous	TX1005	Tx1005 TPH Water	71812	1	10/09/15 03:30 PM	GC12_151009B
1510091-01B	CRCP-ATF1-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71859	1	10/15/15 02:09 PM	ICP-MS4_151015A
	CRCP-ATF1-130	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	71859	100	10/15/15 12:14 PM	ICP-MS4_151015A
1510091-01C	CRCP-ATF1-130	Aqueous	M4500-NH3-D	Ammonia aqueous	71813	1	10/09/15 12:00 PM	WC_151009B
1510091-01D	CRCP-ATF1-130	Aqueous	M2320 B	Alkalinity	71826	1	10/12/15 01:00 PM	TITRATOR_151012B
	CRCP-ATF1-130	Aqueous	E300	Anions by IC method - Water	71807	10	10/09/15 01:47 PM	IC2_151009A
	CRCP-ATF1-130	Aqueous	E300	Anions by IC method - Water	71807	1	10/09/15 12:37 PM	IC2_151009A
1510091-01E	CRCP-ATF1-130	Aqueous	M2540D	Total Suspended Solids	71855	1	10/13/15 04:00 PM	WC_151013A

DHL Analytical, Inc.

Date: *16-Oct-15*

CLIENT:	URS Corporation	**Client Sample ID:**	CRCP-ATF1-130
Project:	CRCP Travis County	**Lab ID:**	1510091-01
Project No:	60407569.41010113.101	**Collection Date:**	10/09/15 09:40 AM
Lab Order:	1510091	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TX1005 TPH WATER		**TX1005**					Analyst: **AV**
T/R Hydrocarbons: C6-C12	<0.688	0.688	1.96		mg/L	1	10/09/15 03:30 PM
T/R Hydrocarbons: >C12-C28	<0.688	0.688	1.96		mg/L	1	10/09/15 03:30 PM
T/R Hydrocarbons: >C28-C35	<0.688	0.688	1.96		mg/L	1	10/09/15 03:30 PM
T/R Hydrocarbons: C6-C35	<0.688	0.688	1.96		mg/L	1	10/09/15 03:30 PM
Surr: Isopropylbenzene	91.6	0	70-130		%REC	1	10/09/15 03:30 PM
Surr: Octacosane	94.4	0	70-130		%REC	1	10/09/15 03:30 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **RO**
Calcium	160	10.0	30.0		mg/L	100	10/15/15 12:14 PM
Magnesium	37.1	10.0	30.0		mg/L	100	10/15/15 12:14 PM
Potassium	3.31	0.100	0.300		mg/L	1	10/15/15 02:09 PM
Sodium	38.5	10.0	30.0		mg/L	100	10/15/15 12:14 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **AV**
Chloride	53.6	3.00	10.0		mg/L	10	10/09/15 01:47 PM
Fluoride	<0.100	0.100	0.400		mg/L	1	10/09/15 12:37 PM
Nitrate-N	9.56	0.100	0.500		mg/L	1	10/09/15 12:37 PM
Sulfate	125	1.00	3.00		mg/L	1	10/09/15 12:37 PM
ALKALINITY		**M2320 B**					Analyst: **LM**
Alkalinity, Bicarbonate (As CaCO3)	453	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 01:00 PM
Alkalinity, Carbonate (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 01:00 PM
Alkalinity, Hydroxide (As CaCO3)	<10.0	10.0	20.0		mg/L @ pH 4.53	1	10/12/15 01:00 PM
Alkalinity, Total (As CaCO3)	453	20.0	20.0		mg/L @ pH 4.53	1	10/12/15 01:00 PM
AMMONIA AQUEOUS		**M4500-NH3-D**					Analyst: **JL**
Ammonia-N (As N)	0.104	0.100	0.250	J	mg/L	1	10/09/15 12:00 PM
TOTAL SUSPENDED SOLIDS		**M2540D**					Analyst: **BJT**
Suspended Solids (Residue, Non-Filterable)	<2.60	2.60	2.60		mg/L	1	10/13/15 04:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009B

The QC data in batch 71812 applies to the following samples: 1510091-01A

Sample ID **LCS-71812**	Batch ID: **71812**	TestNo: **TX1005**	Units: **mg/L**
SampType: **LCS**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 1:07:21 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.9	2.00	25.00	0	99.4	75	125			
Surr: Isopropylbenzene	2.20		2.500		88.1	70	130			
Surr: Octacosane	2.23		2.500		89.4	70	130			

Sample ID **LCSD-71812**	Batch ID: **71812**	TestNo: **TX1005**	Units: **mg/L**
SampType: **LCSD**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 1:16:23 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.7	2.00	25.00	0	98.9	75	125	0.490	20	
Surr: Isopropylbenzene	2.25		2.500		90.2	70	130	0	0	
Surr: Octacosane	2.26		2.500		90.2	70	130	0	0	

Sample ID **MB-71812**	Batch ID: **71812**	TestNo: **TX1005**	Units: **mg/L**
SampType: **MBLK**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 1:25:25 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C12	<0.700	2.00								
T/R Hydrocarbons: >C12-C28	<0.700	2.00								
T/R Hydrocarbons: >C28-C35	<0.700	2.00								
T/R Hydrocarbons: C6-C35	<0.700	2.00								
Surr: Isopropylbenzene	2.20		2.500		88.1	70	130			
Surr: Octacosane	2.30		2.500		92.1	70	130			

Sample ID **1510076-05AMS**	Batch ID: **71812**	TestNo: **TX1005**	Units: **mg/L**
SampType: **MS**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 2:27:25 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.9	1.96	24.47	0	102	75	125			
Surr: Isopropylbenzene	2.24		2.447		91.5	70	130			
Surr: Octacosane	2.20		2.447		90.0	70	130			

Sample ID **1510076-05AMSD**	Batch ID: **71812**	TestNo: **TX1005**	Units: **mg/L**
SampType: **MSD**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 2:36:26 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	24.6	1.97	24.65	0	99.7	75	125	1.23	20	
Surr: Isopropylbenzene	2.22		2.465		90.0	70	130	0	0	
Surr: Octacosane	2.21		2.465		89.7	70	130	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: GC12_151009B

Sample ID **ICV-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 9:33:10 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	1090	2.00	1000	0	109	75	125			
Surr: Isopropylbenzene	45.4		50.00		90.9	70	130			
Surr: Octacosane	43.7		50.00		87.3	70	130			

Sample ID **CCV1-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 12:57:56 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	564	2.00	500.0	0	113	75	125			
Surr: Isopropylbenzene	23.9		25.00		95.6	70	130			
Surr: Octacosane	25.8		25.00		103	70	130			

Sample ID **CCV2-151009**	Batch ID: **R82114**	TestNo: **TX1005**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC12_151009B**	Analysis Date: **10/9/2015 3:39:26 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C35	571	2.00	500.0	0	114	75	125			
Surr: Isopropylbenzene	23.9		25.00		95.7	70	130			
Surr: Octacosane	26.1		25.00		104	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151015A

The QC data in batch 71859 applies to the following samples: 1510091-01B

Sample ID	**MB-71859**	Batch ID:	**71859**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 12:00:00 P**	Prep Date:	**10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	<0.100	0.300								
Magnesium	<0.100	0.300								
Potassium	<0.100	0.300								
Sodium	<0.100	0.300								

Sample ID	**LCS-71859**	Batch ID:	**71859**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 12:04:00 P**	Prep Date:	**10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.78	0.300	5.00	0	95.7	80	120			
Magnesium	4.82	0.300	5.00	0	96.4	80	120			
Potassium	4.83	0.300	5.00	0	96.7	80	120			
Sodium	4.92	0.300	5.00	0	98.4	80	120			

Sample ID	**LCSD-71859**	Batch ID:	**71859**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCSD**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 12:06:00 P**	Prep Date:	**10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.06	0.300	5.00	0	101	80	120	5.70	15	
Magnesium	5.04	0.300	5.00	0	101	80	120	4.55	15	
Potassium	5.04	0.300	5.00	0	101	80	120	4.18	15	
Sodium	5.11	0.300	5.00	0	102	80	120	3.84	15	

Sample ID	**1510111-01A SD**	Batch ID:	**71859**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**SD**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 12:12:00 P**	Prep Date:	**10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	<0.500	1.50	0	0				0	10	
Magnesium	<0.500	1.50	0	0				0	10	
Potassium	<0.500	1.50	0	0				0	10	
Sodium	<0.500	1.50	0	0				0	10	

Sample ID	**1510111-01A PDS**	Batch ID:	**71859**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**PDS**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 12:31:00 P**	Prep Date:	**10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.61	0.300	5.00	0	112	80	120			
Magnesium	4.94	0.300	5.00	0	98.7	80	120			
Potassium	4.95	0.300	5.00	0	98.9	80	120			
Sodium	5.78	0.300	5.00	0	116	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151015A

Sample ID **1510111-01A MS**	Batch ID: **71859**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 12:33:00 P**	Prep Date: **10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.11	0.300	5.00	0	102	80	120			
Magnesium	4.86	0.300	5.00	0	97.1	80	120			
Potassium	4.96	0.300	5.00	0	99.1	80	120			
Sodium	5.22	0.300	5.00	0	104	80	120			

Sample ID **1510111-01A MSD**	Batch ID: **71859**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 12:35:00 P**	Prep Date: **10/14/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	5.02	0.300	5.00	0	100	80	120	1.77	15	
Magnesium	4.97	0.300	5.00	0	99.3	80	120	2.24	15	
Potassium	5.06	0.300	5.00	0	101	80	120	1.98	15	
Sodium	5.18	0.300	5.00	0	104	80	120	0.800	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151015A

Sample ID **ICV-151015**	Batch ID: **R82194**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 11:38:00 A**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	2.29	0.300	2.50	0	91.7	90	110			
Magnesium	2.42	0.300	2.50	0	96.6	90	110			
Potassium	2.35	0.300	2.50	0	93.9	90	110			
Sodium	2.38	0.300	2.50	0	95.3	90	110			

Sample ID **LCVL-151015**	Batch ID: **R82194**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 11:54:00 A**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.110	0.300	0.100	0	110	70	130			
Magnesium	0.107	0.300	0.100	0	107	70	130			
Potassium	0.106	0.300	0.100	0	106	70	130			
Sodium	0.106	0.300	0.100	0	106	70	130			

Sample ID **CCV1-151015**	Batch ID: **R82194**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 12:37:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.85	0.300	5.00	0	97.0	90	110			
Magnesium	4.78	0.300	5.00	0	95.7	90	110			
Potassium	4.91	0.300	5.00	0	98.1	90	110			
Sodium	4.97	0.300	5.00	0	99.4	90	110			

Sample ID **LCVL1-151015**	Batch ID: **R82194**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCVL**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 12:55:00 P**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Calcium	0.109	0.300	0.100	0	109	70	130			
Magnesium	0.105	0.300	0.100	0	105	70	130			
Potassium	0.103	0.300	0.100	0	103	70	130			
Sodium	0.135	0.300	0.100	0	135	70	130			S

Sample ID **CCV2-151015**	Batch ID: **R82194**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS4_151015A**	Analysis Date: **10/15/2015 1:20:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	4.88	0.300	5.00	0	97.7	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS4_151015A

Sample ID	**LCVL2-151015**	Batch ID:	**R82194**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 1:51:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	0.107	0.300	0.100	0	107	70	130			

Sample ID	**CCV3-151015**	Batch ID:	**R82194**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**CCV**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 2:11:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	4.75	0.300	5.00	0	95.1	90	110			

Sample ID	**LCVL3-151015**	Batch ID:	**R82194**	TestNo:	**SW6020A**	Units:	**mg/L**
SampType:	**LCVL**	Run ID:	**ICP-MS4_151015A**	Analysis Date:	**10/15/2015 2:18:00 PM**	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Potassium	0.102	0.300	0.100	0	102	70	130			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_151009A

The QC data in batch 71807 applies to the following samples: 1510091-01D

Sample ID	**LCS-71807**	Batch ID:	**71807**	TestNo:	**E300**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**IC2_151009A**	Analysis Date:	**10/9/2015 9:26:10 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.2	1.00	10.00	0	102	90	110			
Fluoride	3.71	0.400	4.000	0	92.8	90	110			
Nitrate-N	5.35	0.500	5.000	0	107	90	110			
Sulfate	30.2	3.00	30.00	0	101	90	110			

Sample ID	**LCSD-71807**	Batch ID:	**71807**	TestNo:	**E300**	Units:	**mg/L**
SampType:	**LCSD**	Run ID:	**IC2_151009A**	Analysis Date:	**10/9/2015 9:40:45 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.1	1.00	10.00	0	101	90	110	0.615	20	
Fluoride	3.67	0.400	4.000	0	91.8	90	110	1.04	20	
Nitrate-N	5.30	0.500	5.000	0	106	90	110	1.06	20	
Sulfate	29.5	3.00	30.00	0	98.4	90	110	2.30	20	

Sample ID	**MB-71807**	Batch ID:	**71807**	TestNo:	**E300**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**IC2_151009A**	Analysis Date:	**10/9/2015 9:55:19 AM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	<0.300	1.00								
Fluoride	<0.100	0.400								
Nitrate-N	<0.100	0.500								
Sulfate	<1.00	3.00								

Sample ID	**1510091-01DMS**	Batch ID:	**71807**	TestNo:	**E300**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**IC2_151009A**	Analysis Date:	**10/9/2015 2:02:26 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	266	10.0	200.0	53.64	106	90	110			
Fluoride	207	4.00	200.0	0	103	90	110			
Nitrate-N	61.0	5.00	45.16	9.262	115	90	110			S
Sulfate	357	30.0	200.0	123.7	117	90	110			S

Sample ID	**1510091-01DMSD**	Batch ID:	**71807**	TestNo:	**E300**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**IC2_151009A**	Analysis Date:	**10/9/2015 2:17:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	264	10.0	200.0	53.64	105	90	110	0.589	20	
Fluoride	206	4.00	200.0	0	103	90	110	0.324	20	
Nitrate-N	60.3	5.00	45.16	9.262	113	90	110	1.24	20	S
Sulfate	359	30.0	200.0	123.7	118	90	110	0.724	20	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_151009A

Sample ID **ICV-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **ICV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 8:57:37 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	24.9	1.00	25.00	0	99.6	90	110			
Fluoride	10.1	0.400	10.00	0	101	90	110			
Nitrate-N	13.4	0.500	12.50	0	107	90	110			
Sulfate	75.8	3.00	75.00	0	101	90	110			

Sample ID **CCV1-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 1:10:32 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.99	1.00	10.00	0	99.9	90	110			
Fluoride	3.94	0.400	4.000	0	98.5	90	110			
Nitrate-N	5.30	0.500	5.000	0	106	90	110			
Sulfate	29.6	3.00	30.00	0	98.6	90	110			

Sample ID **CCV2-151009**	Batch ID: **R82107**	TestNo: **E300**	Units: **mg/L**
SampType: **CCV**	Run ID: **IC2_151009A**	Analysis Date: **10/9/2015 2:31:35 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.3	1.00	10.00	0	103	90	110			
Fluoride	4.12	0.400	4.000	0	103	90	110			
Nitrate-N	5.43	0.500	5.000	0	109	90	110			
Sulfate	31.0	3.00	30.00	0	103	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151012B

The QC data in batch 71826 applies to the following samples: 1510091-01D

Sample ID	**MB-71826**	Batch ID:	**71826**	TestNo:	**M2320 B**	Units:	**mg/L @ pH 4.51**
SampType:	**MBLK**	Run ID:	**TITRATOR_151012B**	Analysis Date:	**10/12/2015 11:28:00 A**	Prep Date:	**10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0								
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0								
Alkalinity, Total (As CaCO3)	<20.0	20.0								

Sample ID	**LCS-71826**	Batch ID:	**71826**	TestNo:	**M2320 B**	Units:	**mg/L @ pH 4.52**
SampType:	**LCS**	Run ID:	**TITRATOR_151012B**	Analysis Date:	**10/12/2015 11:33:00 A**	Prep Date:	**10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	53.7	20.0	50.00	0	107	74	129			

Sample ID	**1510076-01D DUP**	Batch ID:	**71826**	TestNo:	**M2320 B**	Units:	**mg/L @ pH 4.53**
SampType:	**DUP**	Run ID:	**TITRATOR_151012B**	Analysis Date:	**10/12/2015 11:55:00 A**	Prep Date:	**10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	292	20.0	0	292.4				0.103	20	
Alkalinity, Carbonate (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	292	20.0	0	292.4				0.103	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_151012B

Sample ID **ICV-151012**	Batch ID: **R82152**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.53**
SampType: **ICV**	Run ID: **TITRATOR_151012B**	Analysis Date: **10/12/2015 11:26:00 A**	Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	6.24	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.6	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	99.8	20.0	100.0	0	99.8	98	102			

Sample ID **CCV1-151012**	Batch ID: **R82152**	TestNo: **M2320 B**	Units: **mg/L @ pH 4.52**
SampType: **CCV**	Run ID: **TITRATOR_151012B**	Analysis Date: **10/12/2015 2:20:00 PM**	Prep Date: **10/12/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	6.88	20.0	0							
Alkalinity, Carbonate (As CaCO3)	93.6	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	<10.0	20.0	0							
Alkalinity, Total (As CaCO3)	100	20.0	100.0	0	100	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

The QC data in batch 71813 applies to the following samples: 1510091-01C

Sample ID	**MB-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	<0.100	0.250								

Sample ID	**LCS-71813**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	4.88	0.250	5.000	0	97.6	80	120			

Sample ID	**1510065-03CMS**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MS**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.56	0.250	5.000	1.150	88.2	80	120			

Sample ID	**1510065-03CMSD**	Batch ID:	**71813**	TestNo:	**M4500-NH3-D**	Units:	**mg/L**
SampType:	**MSD**	Run ID:	**WC_151009B**	Analysis Date:	**10/9/2015 12:00:00 PM**	Prep Date:	**10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	6.19	0.250	5.000	1.150	101	80	120	10.7	25	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151009B

Sample ID **ICV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **ICV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	2.48	0.250	2.500	0	99.2	80	120			

Sample ID **CCV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **CCV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.19	0.250	5.000	0	104	80	120			

Sample ID **CCV-151009**	Batch ID: **R82120**	TestNo: **M4500-NH3-D**	Units: **mg/L**
SampType: **CCV**	Run ID: **WC_151009B**	Analysis Date: **10/9/2015 12:00:00 PM**	Prep Date: **10/9/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ammonia-N (As N)	5.08	0.250	5.000	0	102	80	120			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

ANALYTICAL QC SUMMARY REPORT

RunID: WC_151013A

The QC data in batch 71855 applies to the following samples: 1510091-01E

Sample ID	**MB-71855**	Batch ID:	**71855**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**MBLK**	Run ID:	**WC_151013A**	Analysis Date:	**10/13/2015 4:00:00 PM**	Prep Date:	**10/13/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	<2.50	2.50								

Sample ID	**LCS-71855**	Batch ID:	**71855**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**LCS**	Run ID:	**WC_151013A**	Analysis Date:	**10/13/2015 4:00:00 PM**	Prep Date:	**10/13/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	105	25.0	100.0	0	105	85	115			

Sample ID	**1510083-01E-DUP**	Batch ID:	**71855**	TestNo:	**M2540D**	Units:	**mg/L**
SampType:	**DUP**	Run ID:	**WC_151013A**	Analysis Date:	**10/13/2015 4:00:00 PM**	Prep Date:	**10/13/2015**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Suspended Solids (Residue, Non-Filter	80.0	50.0	0	72.00				10.5	5	R

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: URS Corporation
Work Order: 1510091
Project: CRCP Travis County

MQL SUMMARY REPORT

TestNo: TX1005	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
T/R Hydrocarbons: C6-C12	0.700	2.00
T/R Hydrocarbons: >C12-C28	0.700	2.00
T/R Hydrocarbons: >C28-C35	0.700	2.00
T/R Hydrocarbons: C6-C35	0.700	2.00

TestNo: E300	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Chloride	0.300	1.00
Fluoride	0.100	0.400
Nitrate-N	0.100	0.500
Sulfate	1.00	3.00

TestNo: M2320 B	**MDL**	**MQL**
Analyte	**ıg/L @ pH 4.5**	**g/L @ pH 4.5**
Alkalinity, Bicarbonate (As CaCO3)	10.0	20.0
Alkalinity, Carbonate (As CaCO3)	10.0	20.0
Alkalinity, Hydroxide (As CaCO3)	10.0	20.0
Alkalinity, Total (As CaCO3)	20.0	20.0

TestNo: M4500-NH3-D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Ammonia-N (As N)	0.100	0.250

TestNo: SW6020A	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Calcium	0.100	0.300
Magnesium	0.100	0.300
Potassium	0.100	0.300
Sodium	0.100	0.300

TestNo: M2540D	**MDL**	**MQL**
Analyte	**mg/L**	**mg/L**
Suspended Solids (Residue, Non-Fil	2.50	2.50

Qualifiers: MQL -Method Quantitation Limit as defined by TRRP
MDL -Method Detection Limit as defined by TRRP