

Certificate of Analysis

Report Date: 03/02/16 16:09
Received Date: 02/17/16 10:55
Turnaround Time: Normal

Project: Joe Wabash Ave. Yorba Linda

Phones: (909) 628-4631

Fax:

P.O. #:

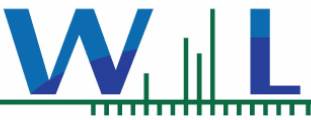
Attn: Roger Chao

Client: Advanced Water Treatment, Inc.
13505 Yorba Ave Unit B
Chino, CA 91710

Dear Roger Chao :

Enclosed are the results of analyses for samples received 2/17/2016 with the Chain of Custody document. The samples were received in good condition, at 10.6 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Table with columns: Lab ID, Sample ID, Sample 2, Matrix, Sample Note, Analyte, Result, MDL, MRL, Units, Dil, Method, Prepared, Analyzed, Batch, Qualifier. Includes rows for various analytes like Arsenic, Uranium Rad, Chromium 6+, Bromodichloromethane, Bromoform, Chloroform, Dibromochloromethane, THMs, Total, and Gross Alpha.



Certificate of Analysis

Quality Control Section

Hexavalent Chromium by IC - Quality Control

Batch W6B0964 - EPA 218.6

Blank (W6B0964-BLK1)					Prepared: 02/16/16	Analyzed: 02/17/16 09:48				
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit	

Chromium 6+ ND ug/l

LCS (W6B0964-BS1)

Prepared: 02/16/16 Analyzed: 02/17/16 10:02

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 5.05 ug/l 5.00 101 90-110

Matrix Spike (W6B0964-MS1)

Source: 6B12003-01

Prepared: 02/16/16 Analyzed: 02/17/16 12:07

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.430 5.17 ug/l 5.00 95 88-112

Matrix Spike (W6B0964-MS2)

Source: 6B12012-01

Prepared: 02/16/16 Analyzed: 02/17/16 14:09

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.474 5.11 ug/l 5.00 93 88-112

Matrix Spike (W6B0964-MS3)

Source: 6B12021-03

Prepared: 02/16/16 Analyzed: 02/17/16 15:20

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.0875 4.90 ug/l 5.00 96 88-112

Matrix Spike Dup (W6B0964-MSD1)

Source: 6B12003-01

Prepared: 02/16/16 Analyzed: 02/17/16 12:19

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.430 5.26 ug/l 5.00 97 88-112 2 10

Matrix Spike Dup (W6B0964-MSD2)

Source: 6B12012-01

Prepared: 02/16/16 Analyzed: 02/17/16 14:21

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.474 5.41 ug/l 5.00 99 88-112 6 10

Matrix Spike Dup (W6B0964-MSD3)

Source: 6B12021-03

Prepared: 02/16/16 Analyzed: 02/17/16 15:32

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Chromium 6+ 0.0875 5.03 ug/l 5.00 99 88-112 3 10

Metals by EPA 200 Series Methods - Quality Control

Batch W6B1740 - EPA 200.8

Blank (W6B1740-BLK1)					Prepared: 02/29/16	Analyzed: 02/29/16 14:05				
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit	

Arsenic, Total ND ug/l

LCS (W6B1740-BS1)

Prepared: 02/29/16 Analyzed: 02/29/16 14:07

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Arsenic, Total 49.2 ug/l 50.0 98 85-115

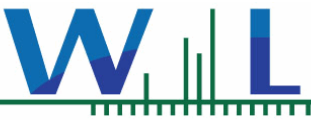
Matrix Spike (W6B1740-MS1)

Source: 6B17061-01

Prepared: 02/29/16 Analyzed: 02/29/16 14:22

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
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Arsenic, Total ND 51.5 ug/l 50.0 103 70-130



Certificate of Analysis

Metals by EPA 200 Series Methods - Quality Control

Batch W6B1740 - EPA 200.8

Matrix Spike Dup (W6B1740-MSD1)		Source: 6B17061-01			Prepared: 02/29/16		Analyzed: 02/29/16 14:25		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Arsenic, Total	ND	49.6		ug/l	50.0	99	70-130	4	30

Radiological Parameters by APHA/EPA Methods - Quality Control

Batch W6B1339 - SM 7110C

Blank (W6B1339-BLK1)					Prepared: 02/23/16		Analyzed: 02/25/16 09:42		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		-0.0230		pCi/L					
Counting Error (+/-): 0.11	MDA: 0.01								

LCS (W6B1339-BS1)					Prepared: 02/23/16		Analyzed: 02/25/16 09:42		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		4.84		pCi/L	4.79	101	55-149		
Counting Error (+/-): 0.285	MDA: 0.01								

LCS Dup (W6B1339-BSD1)					Prepared: 02/23/16		Analyzed: 02/25/16 09:42		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Gross Alpha		3.93		pCi/L	4.79	82	55-149	21	30
Counting Error (+/-): 0.253	MDA: 0.01								

Batch W6C0014 - EPA 200.8

Blank (W6C0014-BLK1)					Prepared: 02/29/16		Analyzed: 02/29/16 14:05		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Uranium Rad		ND		pCi/L					

LCS (W6C0014-BS1)					Prepared: 02/29/16		Analyzed: 02/29/16 14:07		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Uranium Rad		30.2		pCi/L	33.5	90	85-115		

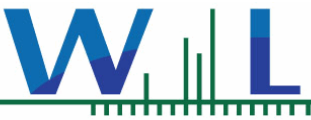
Matrix Spike (W6C0014-MS1)		Source: 6B17061-01			Prepared: 02/29/16		Analyzed: 02/29/16 14:22		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Uranium Rad	3.71	35.9		pCi/L	33.5	96	70-130		

Matrix Spike Dup (W6C0014-MSD1)		Source: 6B17061-01			Prepared: 02/29/16		Analyzed: 02/29/16 14:25		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Uranium Rad	3.71	34.4		pCi/L	33.5	92	70-130	4	30

Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Batch W6B1419 - EPA 524.2

Blank (W6B1419-BLK1)					Prepared: 02/24/16		Analyzed: 02/24/16 12:14		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichlorobenzene-d4		8.28		ug/l	10.0	83	70-130		
Surrogate: 4-Bromofluorobenzene		9.00		ug/l	10.0	90	70-130		
Chloroform		ND		ug/l					
Bromodichloromethane		ND		ug/l					



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Volatile Organic Compounds by EPA Method 524.2 - Quality Control

Batch W6B1419 - EPA 524.2

Blank (W6B1419-BLK1)					Prepared: 02/24/16		Analyzed: 02/24/16 12:14		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Dibromochloromethane		ND		ug/l					
Bromoform		ND		ug/l					
THMs, Total		ND		ug/l					

LCS (W6B1419-BS1)					Prepared: 02/24/16		Analyzed: 02/24/16 09:53		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		11.3		ug/l	10.0	113	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>		10.6		ug/l	10.0	106	70-130		
Chloroform		5.71		ug/l	6.00	95	70-130		
Bromodichloromethane		5.75		ug/l	6.00	96	70-130		
Dibromochloromethane		5.99		ug/l	6.00	100	70-130		
Bromoform		6.01		ug/l	6.00	100	70-130		

LCS Dup (W6B1419-BSD1)					Prepared: 02/24/16		Analyzed: 02/24/16 10:29		
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>		11.2		ug/l	10.0	112	70-130		
<i>Surrogate: 4-Bromofluorobenzene</i>		10.7		ug/l	10.0	107	70-130		
Chloroform		5.72		ug/l	6.00	95	70-130	0.2	30
Bromodichloromethane		5.80		ug/l	6.00	97	70-130	0.9	30
Dibromochloromethane		5.97		ug/l	6.00	100	70-130	0.3	30
Bromoform		5.98		ug/l	6.00	100	70-130	0.5	30

Certificate of Analysis

Notes:

The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Valerie Rejuso
(Project Manager)



ELAP # 1132
LACSD # 10143
NELAC #4047-002 ORELAP

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

- ND NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
- Sub Subcontracted analysis, original report enclosed.
- DL Method Detection Limit
- RL Method Reporting Limit
- MDA Minimum Detectable Activity
- NR Not Reportable