

UMPQUA Research Company

626 NE Division St. - P.O. Box 609
 Myrtle Creek, Oregon 97457
 (541) 863-5201 Fax: (541) 863-6199
 E-mail: Lab@URCmail.net
 Internet: http://ChemLab.cc
 ORELAP ID# OR100031

ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 08:32
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: RB Forebay @ East Bank: Surface
 Sample/Site 1

URC Sample #: 5092911-01

Matrix: Aqueous

Inorganics

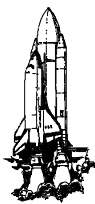
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0173	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/29/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		09/29/15 13:31	09/29/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.436	mg/L	0.200		09/30/15	09/30/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		10/05/15	10/07/15	TDL	

UMPQUA Research Company/MC

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Tom Williams, Laboratory Manager



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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 08:45
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: RB Forebay @ East Bank: Spl. @
 Depth/Site 1

URC Sample #: 5092911-02

Matrix: Aqueous

Inorganics

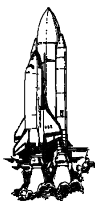
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0187	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.28	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/29/15	TDL	
Nitrate/Nitrite as N		0.28	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Phosphate, ortho as P		0.07	mg/L	0.03		09/29/15 13:31	09/29/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.412	mg/L	0.200		09/30/15	09/30/15	DJP	
SM 4500P									
Phosphorus-Total		0.118	mg/L	0.050		10/05/15	10/07/15	TDL	

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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 08:55
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: RB Forebay @ Middle: Surface
 Sample/Site 2

URC Sample #: 5092911-03

Matrix: Aqueous

Inorganics

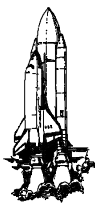
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0120	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/29/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		09/29/15 13:31	09/29/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.440	mg/L	0.200		09/30/15	09/30/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		10/05/15	10/07/15	TDL	

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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 09:09
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: RB Forebay @ Middle: Spl. @
 Depth/Site 2

URC Sample #: 5092911-04

Matrix: Aqueous

Inorganics

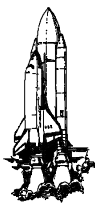
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0066	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.13	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/29/15	TDL	
Nitrate/Nitrite as N		0.13	mg/L	0.10		09/29/15 13:31	09/29/15	TDL	
Phosphate, ortho as P		0.06	mg/L	0.03		09/29/15 13:31	09/29/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.695	mg/L	0.200		09/30/15	09/30/15	DJP	
SM 4500P									
Phosphorus-Total		0.094	mg/L	0.050		10/05/15	10/07/15	TDL	

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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 09:20
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: RB Forebay @ West Bank:
 Surface Sample/Site 3

URC Sample #: 5092911-05

Matrix: Aqueous

Inorganics

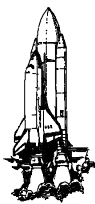
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0182	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/30/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Phosphate, ortho as P		0.05	mg/L	0.03		09/29/15 13:31	09/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.431	mg/L	0.200		10/05/15	10/06/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		10/05/15	10/07/15	TDL	

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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance
 PO Box 440
 Maupin, OR 97037

Project: General
 Project #: No Project
 Client Contact: Greg McMillan

Date Reported: 11/05/15
 Date Sampled: 09/28/15 09:35
 Date Received: 09/29/15 11:55
 Sampled By: Greg McMillan

Sample Location: RB Forebay @ West Bank: Spl. @
 Depth/Site 3

URC Sample #: 5092911-06

Matrix: Aqueous

Inorganics

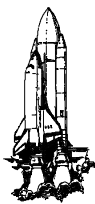
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0149	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.13	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/30/15	TDL	
Nitrate/Nitrite as N		0.14	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Phosphate, ortho as P		0.03	mg/L	0.03		09/29/15 13:31	09/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.299	mg/L	0.200		10/05/15	10/06/15	DJP	
SM 4500P									
Phosphorus-Total		0.065	mg/L	0.050		10/05/15	10/07/15	TDL	

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ANALYSIS REPORT

URC # 5092911

Deschutes River Alliance	Project: General	Date Reported: 11/05/15
PO Box 440		Date Sampled: 09/28/15 12:00
Maupin, OR 97037	Project #: No Project	Date Received: 09/29/15 11:55
	Client Contact: Greg McMillan	Sampled By: Greg McMillan

Sample Location: Rereg. Dam Tailrace + 200 mtrs.
 Spl. Depth: 1 mtr./Site 4

URC Sample #: 5092911-07

Matrix: Aqueous

Inorganics

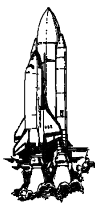
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0333	mg/L	0.0003		09/29/15 13:29	10/16/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.31	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		09/29/15 13:31	09/30/15	TDL	
Nitrate/Nitrite as N		0.32	mg/L	0.10		09/29/15 13:31	09/30/15	TDL	
Phosphate, ortho as P		0.08	mg/L	0.03		09/29/15 13:31	09/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		7.12	mg/L	0.500		10/01/15	10/02/15	DJP	QB-01
SM 4500P									
Phosphorus-Total		0.989	mg/L	0.050		10/05/15	10/07/15	TDL	

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Qualifiers and Definitions

QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
O-07	Sample received outside recommended method hold time. Sample analyzed per client request.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the MRL (minimum reporting limit)
NA	Not Applicable
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MRL	Minimum Reporting Limit
MDL	Minimum Detection Limit
BML	Benchmark Level
(‡)	ORELAP Accredited Analyte
(~)	Due to rounding of individual analytes, the "total" may vary slightly from the sum of the individual analyte values.

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