

UMPQUA Research Company

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

ANALYSIS REPORT

URC # 5080620

Deschutes River Alliance
 PO Box 440
 Maupin, OR 97037

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

Date Reported: 08/21/15
 Date Sampled: 08/05/15 10:00
 Date Received: 08/06/15 12:00
 Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-01

Matrix: Aqueous

Inorganics

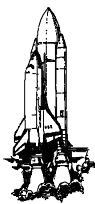
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0374	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.770	mg/L	0.200		08/10/15	08/10/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		08/18/15	08/20/15	TDL	

UMPQUA Research Company/MC

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ANALYSIS REPORT

URC # **5080620**

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 10:10
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-02

Matrix: Aqueous

Inorganics

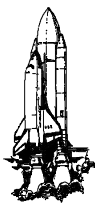
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0028	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.28	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		0.29	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		0.08	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.304	mg/L	0.200		08/11/15	08/12/15	DJP	
SM 4500P									
Phosphorus-Total		0.076	mg/L	0.050		08/18/15	08/20/15	TDL	

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ANALYSIS REPORT

URC # 5080620

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 10:20
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-03

Matrix: Aqueous

Inorganics

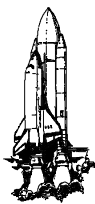
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0282	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.695	mg/L	0.200		08/14/15	08/14/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		08/18/15	08/20/15	TDL	

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ANALYSIS REPORT

URC # **5080620**

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 10:25
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-04

Matrix: Aqueous

Inorganics

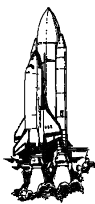
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0456	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.24	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		0.24	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		0.05	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.939	mg/L	0.200		08/11/15	08/12/15	DJP	
SM 4500P									
Phosphorus-Total		0.334	mg/L	0.050		08/18/15	08/20/15	TDL	

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ANALYSIS REPORT

URC # 5080620

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 10:40
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-05

Matrix: Aqueous

Inorganics

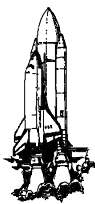
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0374	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.732	mg/L	0.200		08/11/15	08/12/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		08/18/15	08/20/15	TDL	

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ANALYSIS REPORT

URC # 5080620

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 10:55
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-06

Matrix: Aqueous

Inorganics

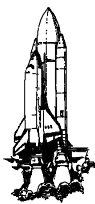
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.140	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.31	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		0.31	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		0.08	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		1.58	mg/L	0.200		08/11/15	08/12/15	DJP	
SM 4500P									
Phosphorus-Total		0.350	mg/L	0.050		08/18/15	08/20/15	TDL	

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ANALYSIS REPORT

URC # 5080620

Deschutes River Alliance	Project: General	Date Reported: 08/21/15
PO Box 440		Date Sampled: 08/05/15 12:35
Maupin, OR 97037	Project #: No Project	Date Received: 08/06/15 12:00
	Client Contact: Greg McMillan	Sampled By: L. Marxer & G. McMillan

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

URC Sample #: 5080620-07

Matrix: Aqueous

Inorganics

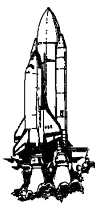
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0050	mg/L	0.0003		08/06/15 13:17	08/12/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.25	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Nitrite as N		ND	mg/L	0.01		08/06/15 13:22	08/06/15	TDL	
Nitrate/Nitrite as N		0.25	mg/L	0.10		08/06/15 13:22	08/06/15	TDL	
Phosphate, ortho as P		0.10	mg/L	0.03		08/06/15 13:22	08/06/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.308	mg/L	0.200		08/11/15	08/12/15	DJP	
SM 4500P									
Phosphorus-Total		0.088	mg/L	0.050		08/18/15	08/20/15	TDL	

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URC # 5080620

Qualifiers and Definitions

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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