

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 # 5061724

Deschutes River Alliance	Project: General	Date Reported: 07/08/15
PO Box 440		Date Sampled: 06/16/15 08:45
Maupin, OR 97037	Project #: No Project	Date Received: 06/17/15 11:45
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

Sample Location: #1 RB Forebay @ East Bank:
 Surface Sample

URC Sample #: 5061724-01

Matrix: Aqueous

Inorganics

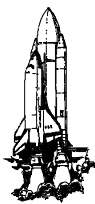
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		55.9	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		0.03	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		1.13	mg/L	0.500		06/22/15	06/23/15	DJP	
SM 4500P									
Phosphorus-Total		0.059	mg/L	0.050		06/23/15	06/24/15	TDL	

UMPQUA Research Company/MC

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ANALYSIS REPORT

URC # 5061724

Deschutes River Alliance	Project: General	Date Reported: 07/08/15
PO Box 440		Date Sampled: 06/16/15 09:05
Maupin, OR 97037	Project #: No Project	Date Received: 06/17/15 11:45
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5061724-02

Matrix: Aqueous

Inorganics

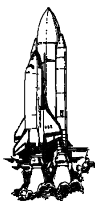
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		14.7	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.21	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		0.21	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		0.09	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.813	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.203	mg/L	0.050		06/23/15	06/24/15	TDL	

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ANALYSIS REPORT

URC # 5061724

Deschutes River Alliance
 PO Box 440
 Maupin, OR 97037

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

Date Reported: 07/08/15
 Date Sampled: 06/16/15 09:35
 Date Received: 06/17/15 11:45
 Sampled By: Greg McMillan & Rick

Sample Location: #2 RB Forebay @ Middle:
 Surface Sample

URC Sample #: 5061724-03

Matrix: Aqueous

Inorganics

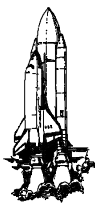
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		99.8	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		1.31	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.059	mg/L	0.050		06/23/15	06/24/15	TDL	

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ANALYSIS REPORT

URC # 5061724

Deschutes River Alliance	Project: General	Date Reported: 07/08/15
PO Box 440		Date Sampled: 06/16/15 09:50
Maupin, OR 97037	Project #: No Project	Date Received: 06/17/15 11:45
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

Sample Location: #2 RB Forebay @ Middle: Spl. @
 Depth

URC Sample #: 5061724-04

Matrix: Aqueous

Inorganics

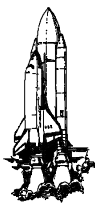
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		31.6	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		0.05	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		1.32	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.289	mg/L	0.050		06/23/15	06/24/15	TDL	

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ANALYSIS REPORT

URC # 5061724

Deschutes River Alliance
 PO Box 440
 Maupin, OR 97037

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

Date Reported: 07/08/15
 Date Sampled: 06/16/15 10:20
 Date Received: 06/17/15 11:45
 Sampled By: Greg McMillan & Rick

Sample Location: #3 RB Forebay @ West Bank:
 Surface Sample

URC Sample #: 5061724-05

Matrix: Aqueous

Inorganics

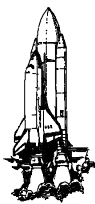
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		38.3	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		1.11	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.078	mg/L	0.050		06/23/15	06/24/15	TDL	

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URC # 5061724

Deschutes River Alliance	Project: General	Date Reported: 07/08/15
PO Box 440		Date Sampled: 06/16/15 10:05
Maupin, OR 97037	Project #: No Project	Date Received: 06/17/15 11:45
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5061724-06

Matrix: Aqueous

Inorganics

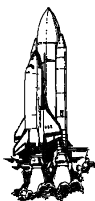
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.9	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.20	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.01		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		0.20	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		0.09	mg/L	0.03		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.528	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.132	mg/L	0.050		06/23/15	06/24/15	TDL	

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ANALYSIS REPORT

URC # 5061724

Deschutes River Alliance	Project: General	Date Reported: 07/08/15
PO Box 440		Date Sampled: 06/16/15 13:10
Maupin, OR 97037	Project #: No Project	Date Received: 06/17/15 11:45
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

Sample Location: #4 Rereg. Dam Tailrace + 200
 Mtrs: Spl. Depth 1 Mtr.

URC Sample #: 5061724-07

Matrix: Aqueous

Inorganics

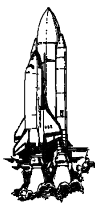
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		7.9	mg/m ³	0.3		06/17/15 14:36	06/26/15	TDL	O-07
EPA 300.0									
Nitrate as N		1.49	mg/L	1.00		06/17/15 14:26	06/18/15	TDL	
Nitrite as N		ND	mg/L	0.10		06/17/15 14:26	06/18/15	TDL	
Nitrate/Nitrite as N		1.49	mg/L	1.00		06/17/15 14:26	06/18/15	TDL	
Phosphate, ortho as P		0.59	mg/L	0.25		06/17/15 14:26	06/18/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.720	mg/L	0.500		06/25/15	06/26/15	DJP	
SM 4500P									
Phosphorus-Total		0.071	mg/L	0.050		06/23/15	06/24/15	TDL	

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URC # 5061724

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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