

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 # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 09:35
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-01

Matrix: Aqueous

Inorganics

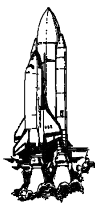
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0098	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.10	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.10	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.346	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 09:46
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-02

Matrix: Aqueous

Inorganics

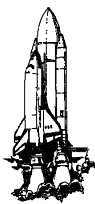
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0067	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.18	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.18	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		0.06	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.271	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		0.072	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 09:53
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-03

Matrix: Aqueous

Inorganics

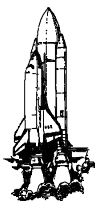
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0768	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.11	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.11	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.290	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 10:05
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-04

Matrix: Aqueous

Inorganics

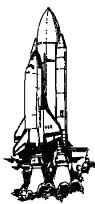
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0016	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.13	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.13	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		0.05	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.233	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		0.058	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 10:14
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-05

Matrix: Aqueous

Inorganics

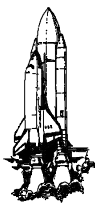
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0810	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.10	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.10	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		ND	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.228	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		ND	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 10:21
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-06

Matrix: Aqueous

Inorganics

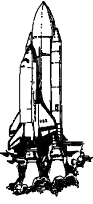
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0019	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		ND	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		ND	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		0.05	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.285	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		0.070	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

Deschutes River Alliance	Project: General	Date Reported: 11/20/15
PO Box 440		Date Sampled: 10/29/15 11:48
Maupin, OR 97037	Project #: No Project	Date Received: 10/30/15 12:00
	Client Contact: Greg McMillan	Sampled By: Greg McMillan & Rick

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

URC Sample #: 5103005-07

Matrix: Aqueous

Inorganics

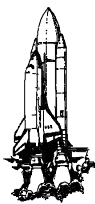
Analyte	Code	Result	Units	MRL	BML	Prepared	Analyzed	Analyst	Qualifier
-									
Chlorophyll-a		0.0117	mg/L	0.0003		10/30/15 13:54	11/20/15	TDL	O-07
EPA 300.0									
Nitrate as N		0.13	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Nitrite as N		ND	mg/L	0.01		10/30/15 14:01	10/30/15	TDL	
Nitrate/Nitrite as N		0.13	mg/L	0.10		10/30/15 14:01	10/30/15	TDL	
Phosphate, ortho as P		0.03	mg/L	0.03		10/30/15 14:01	10/30/15	TDL	
SM 4500Norg B									
Total Kjeldahl Nitrogen		0.313	mg/L	0.200		11/02/15	11/02/15	DJP	
SM 4500P									
Phosphorus-Total		0.060	mg/L	0.050		11/02/15	11/03/15	TDL	

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ANALYSIS REPORT

URC # 5103005

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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