

September 30, 2020

Cary Midwood PBS Environmental 3500 Chad Dr, Ste 100 Eugene, OR 97408 TEL: 541-686-8684 FAX: (541) 686-4602

RE: 52570.001 LCC-Water Sampling

Order No.: 20090967

Dear Cary Midwood:

Neilson Research Corporation received 28 sample(s) on 9/23/2020 for the analyses presented in the following report.

Neilson Research Corporation

Website: www.nrclabs.com

TEL: (541) 770-5678 FAX: (541) 770-2901

245 S Grape St Medford, OR 97501

The results relate only to the parameters tested or to the sample as received by the laboratory. This report shall not be reproduced except in full, without the written approval of Neilson Research Corporation. If you have any questions regarding these test results, please feel free to call.

Sincerely, Neilson Research Corporation

Taming Stimedeman

Tamra Schmedemann Senior Project Manager 245 S Grape St Medford, OR 97501



Original

Page 1 of 35



Case Narrative

WO#:20090967Date:9/30/2020

CLIENT: PBS Environmental Project: 52570.001 LCC-Water Sampling

WorkOrder Narrative:

20090967: The analyses were performed according to the guidelines in the Neilson Research Corporation Quality Assurance Program. This report contains analytical results for the sample(s) as received by the laboratory.

Neilson Research Corporation certifies that this report is in compliance with the requirements of NELAP. No unusual difficulties were experienced during analysis of this batch except as noted below or qualified with data flags on the reports.

Analytical Comments for LEGIOLERT, Samples 20090967-01A to 20090967-28A, Batch ID R14897: Some positive samples were randomly chosen for confirmation of Legionella pneumophila serogroup 1 using an antibody agglutination test.



Analytical Report

20090967

WO#:

	CORPORATION		Website	,	arclabs.com		Date Reported:	9/30/2020
CLIENT:	PBS Environmental			C	ollectio	n Date:	9/22/2020 7:52:00 AM	
Lab ID:	20090967-01			R	eceived	Date:	9/23/2020 11:00:00 AM	1
Client Sam	ple ID 110978			Ν	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ter Sampling						
Sample Ado	dress:							
Sample Loc	cation: 110978							
Analyses	Method	NELAP Status Res	sult Qual	DF	RL	Units	MCL Date Anal	yzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	А	37.0	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Neilson Research Corporation 245 S Grape St Medford, OR 97501 TEL: (541) 770-5678 FAX: (541) 770-2901

Analytical Report

Analyses	Method	NELAP Status Re	esult Qual	DF	RL	Units	MCL Date Ana	lyzed/Analyst
Sample Loo	cation: 89052							
Sample Ad	dress:							
Project:	52570.001 LCC-Wa	ater Sampling						
Client Sam	ple ID 89052			N	latrix:		DRINKING WATER	
Lab ID:	20090967-02			R	leceived	Date:	9/23/2020 11:00:00 A	М
CLIENT:	PBS Environmental			C	ollectio	n Date:	9/22/2020 7:56:00 AM	1
-			Websi	te: www.r	rclabs.com	т	Date Reported:	9/30/2020
CORPORATION <i>TEL: (541) 770-5678 FAX: (541) 770-2901</i>	01	WO#:	20090967					

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

C1Sample container temperature is out of limit as specified at testcode MI PL Recovery outside comtrol limits due to Matrix Interference Permit Limit

Н Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

Original

NELAP A Accredited. ORELAP 100016, OR-028 NELAP



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	irclabs.com	n	Date Reported: 9/30/2020
CLIENT:	PBS Environmental			С	ollectio	n Date:	9/22/2020 8:00:00 AM
Lab ID:	20090967-03			R	eceived	Date:	9/23/2020 11:00:00 AM
Client Sam	ple ID 110961			Ν	Iatrix:		DRINKING WATER
Project:	52570.001 LCC-Wa	ter Sampling					
Sample Ad	dress:						
Sample Loo	cation: 110961						
Analyses	Method	NELAP Status Resu	lt Qual	DF	RL	Units	MCL Date Analyzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	А	1.00	Ν	1	1.00 MPN/100m	L 09/23/20 12:49	DJK
•								

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	irclabs.co	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmental			C	Collectio	n Date:	9/22/2020 8:06:00 AM	
Lab ID:	20090967-04			R	Received	Date:	9/23/2020 11:00:00 AM	N
Client Sam	ple ID 90001			Ν	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ater Sampling						
Sample Ado	dress:							
Sample Loc	eation: 90001							
Analyses	Method	NELAP Status Resu	ılt Qual	DF	RL	Units	MCL Date Anal	yzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT A	1.00	Ν	1 1.00	0 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	JURPURATION			Website	: www.n	erclabs.com	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	n Date:	9/22/2020 8:10:00 AM	
Lab ID:	20090967-05				R	eceived	Date:	9/23/2020 11:00:00 AM	
Client Sample	ID 89016				\mathbf{N}	Iatrix:		DRINKING WATER	
Project:	52570.001 LCC-W	ater Samplin	ıg						
Sample Addres	ss:								
Sample Locatio	on: 89016								
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Analy	zed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

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 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION	122. (571)		,	arclabs.com		Date Reported:	9/30/2020
CLIENT:	PBS Environmental			С	ollectio	n Date:	9/22/2020 8:12:00 AM	
Lab ID:	20090967-06			R	eceived	Date:	9/23/2020 11:00:00 AM	Ν
Client Sam	ple ID 110994			\mathbf{N}	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ter Sampling						
Sample Add	dress:							
Sample Loc	cation: 110994							
Analyses	Method	NELAP Status Resu	lt Qual	DF	RL	Units	MCL Date Anal	yzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	irclabs.co	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmenta	1		C	Collectio	n Date:	9/22/2020 8:15:00 AM	
Lab ID:	20090967-07			R	Received	Date:	9/23/2020 11:00:00 AM	[
Client Sample	e ID 90000			Ν	latrix:		DRINKING WATER	
Project:	52570.001 LCC-W	ater Sampling						
Sample Addr	ess:							
Sample Locat	tion: 90000							
Analyses	Method	NELAP Status Res	ult Qual	DF	RL	Units	MCL Date Analy	zed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLERI A ND N 1 1.00 MPN/100mL 09/23/2012:49 DJ	Legionella	LEGIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

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 Permit Limit

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Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	irclabs.co	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmental			C	Collectio	n Date:	9/22/2020 8:20:00 AM	1
Lab ID:	20090967-08			R	Received	Date:	9/23/2020 11:00:00 A	М
Client Samj	ple ID 110967			Ν	Iatrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ater Sampling						
Sample Add	dress:							
Sample Loc	cation: 110967							
Analyses	Method	NELAP Status Res	ult Qual	DF	RL	Units	MCL Date Ana	lyzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	arclabs.com	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmenta	1		C	ollectio	n Date:	9/22/2020 8:24:00 AM	
Lab ID:	20090967-09			R	eceived	Date:	9/23/2020 11:00:00 AM	
Client Sample	e ID 89095			Ν	latrix:		DRINKING WATER	
Project:	52570.001 LCC-W	ater Sampling						
Sample Addro	ess:							
Sample Locat	tion: 89095							
Analyses	Method	NELAP Status Res	ult Qual	DF	RL	Units	MCL Date Analy	zed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	А	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	ORPORATION			Website	e: www.n	rclabs.co	т	Date Reported: 9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	n Date:	9/22/2020 8:27:00 AM
Lab ID:	20090967-10				R	eceived	Date:	9/23/2020 11:00:00 AM
Client Sample l	D 89053				N	Iatrix:		DRINKING WATER
Project:	52570.001 LCC-W	ater Sampl	ing					
Sample Addres	s:							
Sample Locatio	on: 89053							
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Analyzed/Analy

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

	CORPORATION	TEL	: (541) 770)-5678 FA	AX: (54	1, OR 9750 1) 770-290 nrclabs.co	01	WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental				(Collectio	on Date:	9/22/2020 8:29:00 A	М
Lab ID:	20090967-11					Received		9/23/2020 11:00:00	
Client Sam	ple ID 89076				Ν	Aatrix:		DRINKING WATE	R
Project:	52570.001 LCC-Wa	ter Sampli	ng						
Sample Add	lress:								
Sample Loc	ation: 89076								
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date An	alyzed/Analyst
LEGIONEL	LA PNEUMOPHILA BY LE	GIOLERT							

Legionella LEGIOLERT A ND N 1 1.00 MPN/100mL 09/23/20 12:49 DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

	CORPORATION	TEL: (541) 770-5678 F	AX: (541) 770-2901 e: www.nrclabs.com		WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental		Collection D	ate: 9/22	2/2020 8:33:00 AM	[
Lab ID:	20090967-12		Received Da	te: 9/23	3/2020 11:00:00 Al	М
Client Sam	ple ID 110953		Matrix:	DR	INKING WATER	
Project:	52570.001 LCC-Water	Sampling				
Sample Ado	dress:					
Sample Loc	cation: 110953					
Analyses	Method •	ELAP atus Result Qual	DF RL U	Units	MCL Date Anal	yzed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Neilson Research Corporation 245 S Grape St Medford, OR 97501 TEL: (541) 770-5678 FAX: (541) 770-2901

Analytical Report

	CORPORATION	TEL: (541) 770-:	5	/	1	WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental		C	ollection	n Date:	9/22/2020 8:37:00 AM	1
Lab ID:	20090967-13		R	eceived	Date:	9/23/2020 11:00:00 A	М
Client Sam	ple ID 110964		Ν	Iatrix:		DRINKING WATER	
Project:	52570.001 LCC-Wate	r Sampling					
Sample Ado	dress:						
Sample Loc	cation: 110964						
Analyses	Method -	ELAP tatus Result	Qual DF	RL	Units	MCL Date Ana	lyzed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK

QUALIFIERS

C1Sample container temperature is out of limit as specified at testcode MI PL Recovery outside comtrol limits due to Matrix Interference Permit Limit

Н Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

Original

NELAP A Accredited. ORELAP 100016, OR-028 NELAP



Analytical Report

20090967

WO#:

	URPURATION			Website	: www.n	rclabs.com	т	Date Re	ported:	9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	n Date:	9/22/2020 8:4	0:00 AM	[
Lab ID:	20090967-14				R	eceived	Date:	9/23/2020 11:	00:00 AN	M
Client Sample II) 89028				Μ	latrix:		DRINKING W	VATER	
Project:	52570.001 LCC-W	ater Sampli	ng							
Sample Address	:									
Sample Location	a: 89028									
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL D	ate Anal	yzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION		. ,	Website	: www.n	erclabs.co	т	Date	e Reported:	9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	on Date:	9/22/2020	8:43:00 AN	1
Lab ID:	20090967-15				R	eceived	Date:	9/23/2020	11:00:00 A	М
Client Samp	e ID 89051				\mathbf{N}	latrix:		DRINKIN	G WATER	
Project:	52570.001 LCC-W	ater Sampl	ing							
Sample Add	ress:									
Sample Loca	tion: 89051									
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL	Date Ana	lyzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

	GIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Neilson Research Corporation 245 S Grape St Medford, OR 97501 TEL: (541) 770-5678 FAX: (541) 770-2901

Analytical Report

Analyses	Method	ELAP tatus Result	Qual DI	r RL	Units	MCL Date Ana	lyzed/Analyst
Sample Loc	cation: 110958						
Sample Add	dress:						
Project:	52570.001 LCC-Wate	r Sampling					
Client Samp	ple ID 110958			Matrix:		DRINKING WATER	
Lab ID:	20090967-16			Received	Date:	9/23/2020 11:00:00 A	М
CLIENT:	PBS Environmental			Collectio	n Date:	9/22/2020 8:46:00 AN	Л
	CORPORATION	IEL: (341) //	Website: www	,		Date Reported:	9/30/2020
		$TFI \cdot (5.1) 77$	0-5678 FAX: (5	/1) 770_200		WO#:	20090967

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

C1Sample container temperature is out of limit as specified at testcode MI PL Recovery outside comtrol limits due to Matrix Interference Permit Limit

Н Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

Original

NELAP A Accredited. ORELAP 100016, OR-028 NELAP



Analytical Report

	CORPORATION	TEL: (541) 770-:	5	/	1	WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental		C	ollection	n Date:	9/22/2020 8:51:00 AM	1
Lab ID:	20090967-17		R	eceived	Date:	9/23/2020 11:00:00 A	М
Client Sam	ple ID 110952		Ν	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wate	r Sampling					
Sample Add	dress:						
Sample Loc	cation: 110952						
Analyses	Method -	ELAP tatus Result	Qual DF	RL	Units	MCL Date Ana	lyzed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

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 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	rclabs.com	т	Date Reported: 9/30/2020
CLIENT:	PBS Environmental			C	ollectio	n Date:	9/22/2020 8:53:00 AM
Lab ID:	20090967-18			R	eceived	Date:	9/23/2020 11:00:00 AM
Client Sampl	le ID 89096			Ν	latrix:		DRINKING WATER
Project:	52570.001 LCC-W	ater Sampling					
Sample Addr	ress:						
Sample Loca	tion: 89096						
Analyses	Method	NELAP Status Resu	lt Qual	DF	RL	Units	MCL Date Analyzed/Ana

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

	CORPORATION	TEL: (541) 770-5678 F.	AX: (541) 770-2901 e: www.nrclabs.com	WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental		Collection Date	e: 9/22/2020 8:55:00 AN	1
Lab ID:	20090967-19		Received Date:	9/23/2020 11:00:00 A	М
Client Sam	ple ID 110477		Matrix:	DRINKING WATER	
Project:	52570.001 LCC-Water	Sampling			
Sample Add	dress:				
Sample Loc	cation: 110477				
Analyses	Method	ELAP atus Result Qual	DF RL Uni	ts MCL Date Ana	lyzed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT	A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

	CORPORATION	TEL	.: (541) 770		,	1) 770-290 nrclabs.co		WO#: Date Reported:	20090967 9/30/2020
CLIENT:	PBS Environmental				(Collectio	n Date:	9/22/2020 9:01:00 AM	M
Lab ID:	20090967-20				F	Received	Date:	9/23/2020 11:00:00 A	M
Client Sam	ple ID 89055				N	Aatrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ter Sampli	ng						
Sample Ad	dress:								
Sample Lo	cation: 89055								
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Ana	alyzed/Analyst
LEGIONEL	LLA PNEUMOPHILA BY LE	GIOLERT							

Legionella LEGIOLERT A ND N 1 1.00 MPN/100mL 09/23/20 12:49 DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

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 Permit Limit

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Original



Analytical Report

		TEL		Website	: www.n) 770-290. urclabs.com		Date Reported:	9/30/2020
CLIENT:	PBS Environmental				С	ollection	n Date:	9/22/2020 9:04:00 AM	1
Lab ID:	20090967-21				R	leceived	Date:	9/23/2020 11:00:00 A	М
Client Sample	ID 110971				Ν	Iatrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ater Sampl	ing						
Sample Addre	ess:								
Sample Locati	ion: 110971								
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Ana	lyzed/Analyst

Legionella LEGIOLERT A 1920 N 1 1.00 MPN/100mL 09/23/20 12:49 DJK

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
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 Permit Limit

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Original



Analytical Report

20090967

WO#:

	CORPORATION		Website	e: www.n	rclabs.com	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmental			С	ollectio	n Date:	9/22/2020 9:06:00 AM	[
Lab ID:	20090967-22			R	eceived	Date:	9/23/2020 11:00:00 Al	М
Client Sample	e ID 110983			N	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ater Sampling						
Sample Addr	ess:							
Sample Locat	tion: 110983							
Analyses	Method	NELAP Status Resu	ılt Qual	DF	RL	Units	MCL Date Anal	lyzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT A	17.0	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
		-					

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	URPURATION	4		Website	: www.n	rclabs.com	т	Date Reported:	9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	n Date:	9/22/2020 9:09:00 AM	
Lab ID:	20090967-23				R	eceived	Date:	9/23/2020 11:00:00 AM	[
Client Sample II	D 89072				Μ	latrix:		DRINKING WATER	
Project:	52570.001 LCC-W	ater Sampl	ing						
Sample Address	:								
Sample Location	n: 89072								
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Analy	zed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION	1 EE . (541) / J			rclabs.com		Date Reported:	9/30/2020
CLIENT:	PBS Environmental			С	ollectio	n Date:	9/22/2020 9:13:00 AM	[
Lab ID:	20090967-24			R	eceived	Date:	9/23/2020 11:00:00 A	М
Client Samp	ple ID 110986			Μ	latrix:		DRINKING WATER	
Project:	52570.001 LCC-Wat	er Sampling						
Sample Add	lress:							
Sample Loc	cation: 110986							
Analyses	Method	NELAP Status Result	t Qual	DF	RL	Units	MCL Date Anal	lyzed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION	Websit	e: www.nrclabs.com		Date Reported: 9/30/2020
CLIENT:	PBS Environmental		Collection	n Date:	9/22/2020 9:17:00 AM
Lab ID:	20090967-25		Received	Date:	9/23/2020 11:00:00 AM
Client Samp	le ID 110993		Matrix:		DRINKING WATER
Project:	52570.001 LCC-Water	Sampling			
Sample Add	ress:				
Sample Loca	ation: 110993				
Analyses	Method	LAP tus Result Qual	DF RL	Units	MCL Date Analyzed/Analys

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	CORPORATION			,	rclabs.com	ı	Date Reported:	0/30/2020
CLIENT:	PBS Environmental			С	ollection	Date:	9/22/2020 9:20:00 AM	
Lab ID:	20090967-26			R	eceived	Date:	9/23/2020 11:00:00 AM	
Client Sam	ple ID 110956			\mathbf{N}	Iatrix:		DRINKING WATER	
Project:	52570.001 LCC-Wa	ater Sampling						
Sample Add	dress:							
Sample Loc	eation: 110956							
Analyses	Method	NELAP Status Result	Qual	DF	RL	Units	MCL Date Analyz	ed/Analyst

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella	LEGIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
Logionena						00/20/20 12.40	DUIN

QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

20090967

WO#:

	ORPORATION			Website	: www.n	arclabs.com	т	Date Reported: 9/30/2020
CLIENT:	PBS Environmenta	1			С	ollectio	n Date:	9/22/2020 9:27:00 AM
Lab ID:	20090967-27				R	eceived	Date:	9/23/2020 11:00:00 AM
Client Sample l	D 89067				\mathbf{N}	latrix:		DRINKING WATER
Project:	52570.001 LCC-W	ater Sampl	ing					
Sample Addres	s:							
Sample Locatio	on: 89067							
Analyses	Method	NELAP Status	Result	Qual	DF	RL	Units	MCL Date Analyzed/Analy

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

	EGIOLERT A	ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



Analytical Report

Analyses	Method	NELAP Status Result	Qual	DF	RL	Units	MCL Date Ana	lyzed/Analyst
Sample Loc	cation: 89066							
Sample Ado	dress:							
Project:	52570.001 LCC-Wat	ter Sampling						
Client Sam	ple ID 89066			Μ	atrix:		DRINKING WATER	
Lab ID:	20090967-28			R	eceived	Date:	9/23/2020 11:00:00 A	М
CLIENT:	PBS Environmental			С	ollectio	n Date:	9/22/2020 9:31:00 AM	1
	CORPORATION	<i>ILL</i> . (<i>3</i> +1) / /		· · ·	rclabs.com	Date Reported:	9/30/2020	
	OODDODATION	$TFI \cdot (541) 77$: (541) 770-5678 FAX: (541) 770-2901				WO#:	20090967

LEGIONELLA PNEUMOPHILA BY LEGIOLERT

Legionella LEGIOLE		ND	Ν	1	1.00 MPN/100mL	09/23/20 12:49	DJK
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QUALIFIERS

 C1
 Sample container temperature is out of limit as specified at testcode

 MI
 Recovery outside comtrol limits due to Matrix Interference

 PL
 Permit Limit

HHolding times for preparation or analysis exceededNDNot Detected at the Reporting Limit

Original



QC SUMMARY REPORT

WO#: 20090967

30-Sep-20

Client: PBS Environmental **Project:** 52570.001 LCC-Water Sampling TestCode: LEGIOLERT Sample ID: MBLK SampType: MBLK TestCode: LEGIOLERT Units: MPN/100mL Prep Date: RunNo: 14897 Client ID: PBW Batch ID: R14897 TestNo: LEGIOLERT Analysis Date: 9/23/2020 SeqNo: 224061 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual Legionella ND 1.00 Sample ID: LCS SampType: LCS Prep Date: TestCode: LEGIOLERT Units: MPN/100mL RunNo: 14897 Analysis Date: 9/23/2020 Client ID: LCSW Batch ID: R14897 TestNo: LEGIOLERT SeqNo: 224062 PQL Result SPK value SPK Ref Val %REC HighLimit RPD Ref Val %RPD RPDLimit Qual Analyte LowLimit Legionella Positive 1.00 1.000 0 0 0 0

Sample container temperature is out of limit as specified at testcode **Qualifiers:** C1 Not Detected at the Reporting Limit

ND

Holding times for preparation or analysis exceeded Н

PL

Permit Limit

Recovery outside comtrol limits due to Matrix In MI

RL Reporting Detection Limit

Original



Chain of Custody Record

Page <u>_____</u> of _____

UPS FedEX

Check #

Received Via

VISA, M/C

Cash

Other

Amount

Hand

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Environmental Testing Laboratory 245 South Grape Street * Medford, OR 97501 (541) 770-5678 fax (541) 770-2901

Section A							Section C			Section D				
Required Client Information								formation		Rush Status (Subject to				
Company: PBS			Name: L((-			ing/		Attention: Vampssa Stavenson				X Standard 10-14 Days		
Address: 3500 Chad Dr. Suite	100		Number:525		_				Name: Pl	35	5 Business Days (50% surcharge)			
Eugene, OR 9740 g		Report 7	ro: david	. Burrow	Sel	obsusa	. cont	Address:		-	3 Business Days (75	% surcharge)		
Email: Cary, midwood @ Pb945	y,com		: Cary. Mid								24 - 48 hours (100%	surcharge)		
Phone: 360-74 7-5699 Fax:		-		•			F	P.O. #		1	Other			
Collected By (Print): Cary Midwoo	d)					Authorized	Authorized Yes No		
Collected By (Sign):		1				R		Ana	lysis Requ	lested				
Email Report 💆 Yes No Mail Report	Yes No	1				Ke								
Fax ReportYesNo		_			ers	EQULI								
					tain	LE								
Section E Sample Information					f Containers	Enx.					NRC Workorder # 200	000967		
Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of	TOF					Remarks/Field Data	NRC Sample # (Lab Use Only)		
110978	Grab	DW	\$/12/10	7:52	2	X								
89052	1.40	01	1 12110	7:56	1	17	-					02		
				8:00	+							22		
110961				8.06	+	+++				+ $+$ $+$ $+$		02		
90001						+++	-			+ $+$ $+$ $+$		00		
89016				8:10	++	+++	\rightarrow			+ $+$ $+$ $+$		05		
110 994		$\left \right $		8:12								06		
90000				8:15	11					+ $+$ $+$ $+$		5		
110 46 7				8:20						+ $+$ $+$ $+$		08		
89 095				8:24								09		
89053	-	1	<u>``</u>	8:27										
*Matrix: DW - Drinking Section F	Water WW - W	Vastewate	er W - Water	S - Soil/Solid	SL -	Sludge	0-0	Dil WP - V	Nipe OT -	Other	Section G			
Relinquish/Receive Sign			Print -					Date	e	Time	Lab Use Only			
Relinquished By:			Cary 1	Midwood				9.2	2-2070	11:30	Temp: 2.80C			
Received By:			/								4°C +/- 2°C: Yes	No		
Relinquished By:											Received on Ice: X Yes	No		
Received By:				3			1			Number of Bottles Receive	d:			
Relinquished By:											pH Checked:	and all the second		
Received By Laboratory:	Dr		Mappi Ore						23-202	011:00	COC Seals Intact: Yes	COC Seals Intact: Yes No NA		
											Field Blank Included:	res No		

Payment: XInvoice



Chain of Custody Record

Page 2_of 3_

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Environmental Testing Laboratory 245 South Grape Street * Medford, OR 97501 (541) 770-5678 fax (541) 770-2901

Section A Section B Required Client Information Required Project Information										mation			Section D Rush Status (Subject to Scheduling)			
Required Client Information			Name: LC(-			- 40		Attention: / onessa Stevenson					Standard 10-14 Days			
Address: 3500 Chad Dr. Suiter	50	Project	Number: 52	=70 001	npi y	27		Company Name: PBS						5 Business Days (50% surcharge)		
	00				, d			Addres			, ,		3 Business Days (75	-		
Euspine, OR 97408			To: david					Audres	5.				0 Business Buys (70			
Email: Cary, Midwood (2165454.60	3	Сору і	o: Cary M;	drood of P	650	179.1	On	P.O. #					24 - 48 hours (100 %	surcharge/		
Phone: 360-749-569% Fax:					3	1		P.O. #						Vea Na		
Collected By (Print): Cary M. drood		_				CERT							Authorized _	Yes No		
Collected By (Sign): Con m					_				nalysi	s Requ	ested					
Email Report Yes No Mail Report	Yes1	No			0	H										
Fax Report Yes No					iner	2										
Section E Sample Information					No. of Containers	XX-LECTO							NRC Workorder # 200	90967		
	0	. h	Date	Time	of 1	IDE							Remarks/Field Data	NRC Sample #		
Sample ID	Comp/Gr	ab Matrix	Collected	Collected									Remarkshi leta Data	(Lab Use Only)		
59076	GF46	DU	9/22/20	8:29	1	X								U		
T10953	1	17		8:33	1	1								12		
1 10 96 4				8:37					-					13		
89028				8:40				-						14		
89051				8:43						1				IS		
110958				8:46										16		
(10952				8:51										Π		
\$9096				8:53										18		
110477				81.55										19		
89055	1	1	,	9:01										20		
*Matrix: DW - Drinking Section F Relinguish/Receive Sign	Water WW	- Wastewa	er W - Water Print	S - Soil/Solid	SL ·	- Slud	ge O		- Wipe	e OT - (Other Time		Section G Lab Use Only			
Relinquished By: Cm			1.0	Nidwoo					7-22-2	0.010	-	.30	Temp: 2.800			
Received By:		Caryn	. [[[w00	0				14		- · ·		4°C +/- 2°C: Yes	No			
Relinquished By:											Received on Ice: X Yes	No				
Received By:	1.1.1.1										Number of Bottles Receive	d:				
Relinquished By:	2								pH Checked:							
Received By Laboratory:	h	3	Maniom						1-23.	-2020	11	:00	COC Seals Intact: Yes	COC Seals Intact: Yes No NA		
			10000										Field Blank Included: `	Yes No		

Payment: X Invoice

Received Via

Cash

VISA, M/C

UPS X FedEX

Check #

Other ____ Hand

Amount



Chain of Custody Record

Page <u>3</u> of <u>3</u>

This Chain of Custody is a LEGAL DOCUMENT and must be filled out accurately.

245 South Grape Street * Medford, OR 9750 (541) 770-5678 fax (541) 770-2901	1													
Section A Required Client Information			equired Project Information In				Section C Invoice Information					Section D Rush Status (Subject to S	Scheduling)	
Company: PDS				-water	Sum	plin		Attention: Vanossa Stevenson						
Address: 3500 (hall Or. Suy to		Project N						Company Name: PBS					5 Business Days (50%	6 surcharge)
				Arrows Q.P		59 .(on	Addres	ss:				3 Business Days (75%	% surcharge)
				Wood@P									24 - 48 hours (100% s	surcharge)
Phone: 360 . 749 . 5694 Fax:			11					P.O. #	1				Other	
Collected By (Print): Cary Milwood										1			Authorized	YesNo
Collected By (Sign):		1						,	Analys	sis Re	quest	ed		
Email Report 🔀 Yes No Mail Report	Yes No	1												
Fax Report YesNo		1			iners	Olert								
Section E Sample Information					No. of Containers	LDEYY-LEGTORY		1					NRC Workorder # (Lab Use Only)	90967
Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. o	TDEY							Remarks/Field Data	NRC Sample # (Lab Use Only)
110971	Grab	OW	4/22/20	9:04	1	X								11/21
110983		1	1	9:06	1		-						2	12 22
89072				9:09									O K	11723
110986				9113						17.5			10	1424
110 993				9117										18 25
110 956				9:20										16/26
540 67				9:27	Π									127
89066	L		I	4:31	1	1								18 28
										-	_			
*Matrix: DW - Drinking	Water WW - W	/astewate	er W - Water	S - Soil/Solid	SI -	Sludge	0 -		P - Wii	De OT	- Othe			
Section F Relinquish/Receive Sign		uotomato	Print	C CONCOUR	01	olduge	Ū		Date	pc c .		me	Section G Lab Use Only	
Relinquished By: mm				reduroo	.1					-202	01	1130	Temp: 2.30C	
Received By:		<u>c 0.19</u> 7	190.000	5				1 2.			•	4°C +/- 2°C: Yes	No	
Relinguished By:									2				Received on Ice: X Yes	No
Received By:					1.1								Number of Bottles Received	t:
Relinquished By:	\wedge		i.		198				0.5				pH Checked:	
Received By Laboratory:	th		Manni Orr					9-23-2020 11:00					COC Seals Intact: Yes No NA	
					10								Field Blank Included: Y	'es No
												Received V	a UPS 📉 FedEX Oth	her Hand

Payment:

Invoice

Cash

VISA, M/C

Check #

Amount



Data FlagsWO#: 20090967

Date: 9/30/2020

B Analyte detected in the associated method blank.

- BA BOD Alternative Calculation: The initial results performed by Standard Methods did not fall within parameters of the Standard Methods calculation. An alternate approved calculation was performed using the HACH method and the value reported is an estimated concentration.
- C Sample(s) does not meet NELAP/ORELAP sample acceptance criteria. See Case Narrative.
- C1 Sample(s) does not meet NELAP/ORELAP sample acceptance criteria for temperature.
- CF Results confirmed by re-analysis.
- CU Cleanup performed as specified by method.
- D1 The diesel elution pattern for the sample is not typical.
- D2 The sample appears to be a heavier hydrocarbon range than diesel.
- D3 The sample appears to be a lighter hydrocarbon range than diesel.
- D4 Detected hydrocarbons do not have pattern and range consistent with typical petroleum products and may be due to biogenic interference.
- D5 Detected hydrocarbons in the diesel range appear to be weathered diesel.
- E Estimated value.

ER Elevated reporting limit due to matrix. Report limits (MDLs, MRLs & PQLs) are adjusted based on variations in sample preparation amounts, analytical dilutions, and percent solids, where applicable.

- FC Fecal Coliforms: Sample(s) received past 40 CFR Part 136 specified holding time. Results reported as estimated values.
- G1 The gasoline elution pattern for the sample is not typical.
- G2 The sample appears to be a heavier hydrocarbon range than gasoline.
- G3 The sample appears to be a lighter hydrocarbon range than gasoline.
- G4 Detected hydrocarbons in the gasoline range appear to be weathered gasoline.
- HP Sample re-analysis performed outside of method specified holding time.
- HR Sample received outside of method specified holding time.
- HS Sample analyzed for volatile organics contained headspace.
- $HT\square$ At the client's request, the sample was analyzed outside of method specified holding time.
- H Analysis performed outside of method specified holding time.
- J Analyte detected below the Minimum Reporting Limit (MRL) and above the Method Detection Limit (MDL). The J flag result is an estimated value and the user should be aware that this data is of limited reliability.
- L Dissolved metals were not filtered within 15 minutes of collection per 40 CFR Part 136.
- MI Surrogate, Duplicate Sample (DUP) or Matrix Spikes recoveries are out of control limits due to matrix interference. Sample results may be biased.
- N See Case Narrative on page 2 of report.
- NLR No Legionella Recovered.
- PLR Presence of Legionella Recovered.
- Q Initial calibration verification (ICV), continuing calibration verification (CCV) or laboratory control sample (LCS) exceeded high recovery limits, but associated samples are non-detect and the sample results are not affected. Data meets EPA/NELAP requirements.
- R Relative percent difference (RPD) is outside of the accepted recovery limits.
- R1 Relative percent difference (RPD) is outside of the accepted recovery limits. However, analyses are not controlled on RPD values for sample concentrations that are less than the reporting limit.
- R3 The relative percent difference (RPD) and/or percent recovery for the duplicate (DUP) or matrix spike (MS)/matrix spike duplicate (MSD) cannot be accurately calculated due to the concentration of analyte already present in the sample.
- R4 Duplicate analysis failed due to result being at or near the method reporting limit.
- S Surrogate and/or matrix spike recovery is outside of the accepted recovery limits. Sample results may be biased.
- S1 Surrogate or matrix spike recovery is outside of control limits due to dilution necessary for analysis.
- SC Sub-contracted to another laboratory for analysis.
- SP Sample(s) were not collected per EPA Method 5035A protocols. The results are considered minimum values.
- # Value exceeds regulatory level for TCLP contaminant.
- X1 The motor oil elution pattern for the sample is not typical.
- X2 The sample appears to be a heavier hydrocarbon range than motor oil.
- X3 The sample appears to be a lighter hydrocarbon range than motor oil.
- * Value exceeds Maximum Contaminant Level or is outside the acceptable range.