

NEILSON RESEARCH CORPORATION

Environmental Testing Laboratory

10/13/2017

Dale Giovannetti
Central Point Sch. Dist/Sams Valley Elem
300 Ash St.
Central Point, OR 97502

TEL: (541) 494-6924

FAX

RE: Lead Testing-Scenic

Order No.: 1710280

Dear Dale Giovannetti:

Neilson Research Corporation received 16 sample(s) on 10/6/2017 for the analyses presented in the following report.

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

Tamra R. Schmedemann
Project Manager

Neilson Research Corporation

245 South Grape Street, Medford, Oregon 97501 541-770-5678 Fax 541-770-2901

Analysis Report

ORELAP 100016
EPA OR00028

CLIENT: Central Point Sch. Dist/Sams Valley Elem
Project: Lead Testing-Scenic
Lab Order: 1710280

Date: 13-Oct-17

CASE NARRATIVE

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.

The EPA recommended action level for lead in schools is 0.020 mg/L.

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Analysis Report

ORELAP 100016
EPA OR00028

Central Point Sch. Dist/Sams Valley Ele
300 Ash St.
Central Point, OR 97502

Lab Order: **1710280**
Received Date: **10/6/2017 9:39:00 AM**
Reported Date: **10/13/2017 10:11:15 AM**

Sample Information: Lead Testing-Scenic

Lab ID: 1710280-01

Collection Date: 10/6/2017 7:21:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #32487
Source: City Water
Sample Location: Rm A5 Office Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00951		0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-02

Collection Date: 10/6/2017 6:47:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #32495
Source: City Water
Sample Location: Rm A1 Office Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00686		0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-03

Collection Date: 10/6/2017 6:40:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26991
Source: City Water
Sample Location: Rm B3 S Left Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0234	CF*	0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-04

Collection Date: 10/6/2017 6:35:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26947
Source: City Water
Sample Location: Rm B3 N Middle Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0106		0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-05

Collection Date: 10/6/2017 6:36:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26895
Source: City Water
Sample Location: Rm B3 N Right Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0163	CF	0.0001	mg/L	1	10/11/2017	A

Qualifiers:

- | | |
|--|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level E Value above quantitation range J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Minimum Reporting Limit |
|--|---|

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Analysis Report

ORELAP 100016
EPA OR00028

Central Point Sch. Dist/Sams Valley Ele
300 Ash St.
Central Point, OR 97502

Lab Order: **1710280**
Received Date: **10/6/2017 9:39:00 AM**
Reported Date: **10/13/2017 10:11:15 AM**

Sample Information: Lead Testing-Scenic

Lab ID: 1710280-06

Collection Date: 10/6/2017 6:37:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26906
Source: City Water
Sample Location: Rm B3 S Right Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0306	CF*	0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-07

Collection Date: 10/6/2017 6:38:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26890
Source: City Water
Sample Location: Rm B3 S Middle Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0141	CF	0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-08

Collection Date: 10/6/2017 6:33:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26843
Source: City Water
Sample Location: Rm B3 N Left Sink

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0102		0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-09

Collection Date: 10/6/2017 6:26:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26951
Source: City Water
Sample Location: Band Rm Faucet

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.00901		0.0001	mg/L	1	10/11/2017	A

Lab ID: 1710280-10

Collection Date: 10/6/2017 6:33:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26897
Source: City Water
Sample Location: Rm B7 Teacher Faucet

Trace Metals by EPA 200.8 ICP-MS					Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited
Lead	0.0183	CF	0.0001	mg/L	1	10/11/2017	A

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Minimum Reporting Limit

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Analysis Report

ORELAP 100016
EPA OR00028

Central Point Sch. Dist/Sams Valley Ele
300 Ash St.
Central Point, OR 97502

Lab Order: **1710280**
Received Date: **10/6/2017 9:39:00 AM**
Reported Date: **10/13/2017 10:11:15 AM**

Sample Information: Lead Testing-Scenic

Lab ID: 1710280-11

Collection Date: 10/6/2017 6:34:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #32488
Source: City Water
Sample Location: Rm B7 N Left Sink

Trace Metals by EPA 200.8 ICP-MS						Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited	
Lead	0.0169	CF	0.0001	mg/L	1	10/11/2017	A	

Lab ID: 1710280-12

Collection Date: 10/6/2017 6:35:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26948
Source: City Water
Sample Location: Rm B7 N Right Sink

Trace Metals by EPA 200.8 ICP-MS						Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited	
Lead	0.0150	CF	0.0001	mg/L	1	10/11/2017	A	

Lab ID: 1710280-13

Collection Date: 10/6/2017 6:34:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26921
Source: City Water
Sample Location: Rm B7 N Middle Sink

Trace Metals by EPA 200.8 ICP-MS						Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited	
Lead	0.0159	CF	0.0001	mg/L	1	10/11/2017	A	

Lab ID: 1710280-14

Collection Date: 10/6/2017 6:39:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26958
Source: City Water
Sample Location: Rm B7 S Right Sink

Trace Metals by EPA 200.8 ICP-MS						Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited	
Lead	0.0140		0.0001	mg/L	1	10/11/2017	A	

Lab ID: 1710280-15

Collection Date: 10/6/2017 6:38:00 AM
Matrix: DRINKING WATER

Client Sample ID: Bottle #26924
Source: City Water
Sample Location: Rm B7 S Middle Sink

Trace Metals by EPA 200.8 ICP-MS						Dilution	Analyst: OML	NELAP
Analyses	Result	Qual	MRL	Units	Factor	Date Analyzed	Accredited	
Lead	0.0185	CF	0.0001	mg/L	1	10/11/2017	A	

Qualifiers:

- | | |
|--|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level E Value above quantitation range J Analyte detected below quantitation limits S Spike Recovery outside accepted recovery limits | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank H Holding times for preparation or analysis exceeded ND Not Detected at the Minimum Reporting Limit |
|--|---|

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Analysis Report

ORELAP 100016
EPA OR00028

Central Point Sch. Dist/Sams Valley Ele

300 Ash St.

Central Point, OR 97502

Sample Information: Lead Testing-Scenic

Lab Order: 1710280

Received Date: 10/6/2017 9:39:00 AM

Reported Date: 10/13/2017 10:11:15 AM

Lab ID: 1710280-16

Collection Date: 10/6/2017 6:37:00 AM

Matrix: DRINKING WATER

Client Sample ID: Bottle #26994

Source: City Water

Sample Location: Rm B7 S Left Sink

Trace Metals by EPA 200.8 ICP-MS

Analyses	Result	Qual	MRL	Units	Dilution Factor	Analyst: OML Date Analyzed	NELAP Accredited
Lead	0.0182	CF	0.0001	mg/L	1	10/11/2017	A

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Minimum Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Neilson Research Corporation
DATA FLAGS

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	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.
MI	Surrogate or Matrix Spike recovery is out of control limits due to matrix interference. Sample results may be biased.
N	See Case Narrative on page 2 of report.
Q	Closing 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 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.
T	Toxicity Characteristic Leaching Procedure – Sample submitted contained < 0.5% solids. If the waste contains <0.5% dry solids, the liquid portion of the waste, after filtration, is defined as the TCLP extract.
#	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.

NRC SOP QA-1104/AD-3100
Revision 3
Effective Date: 6/3/16

CLIENT: Central Point Sch. Dist/Sams Valley Elem
Work Order: 1710280
Project: Lead Testing-Scenic

ANALYTICAL QC SUMMARY REPORT

TestCode: ICPMS_200.8_SCHOOL

Sample ID MB-39460	SampType: MBLK	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 10/9/2017	RunNo: 98700						
Client ID: ZZZZZ	Batch ID: 39460	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 10/11/2017	SeqNo: 1492954						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead ND 0.000100

Sample ID LCS-39460	SampType: LCS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 10/9/2017	RunNo: 98700						
Client ID: ZZZZZ	Batch ID: 39460	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 10/11/2017	SeqNo: 1492955						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1016 0.000100 0.1 0 102 85 115

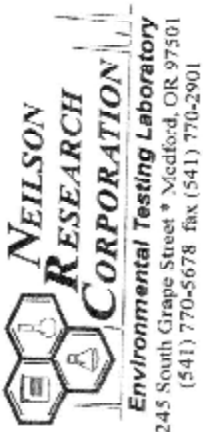
Sample ID 1710282-01AMS	SampType: MS	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 10/9/2017	RunNo: 98700						
Client ID: ZZZZZ	Batch ID: 39460	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 10/11/2017	SeqNo: 1492977						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1044 0.000100 0.1 0.002778 102 70 130

Sample ID 1710282-01AMSD	SampType: MSD	TestCode: ICPMS_200.8	Units: mg/L	Prep Date: 10/9/2017	RunNo: 98700						
Client ID: ZZZZZ	Batch ID: 39460	TestNo: EPA 200.8	(EPA 200.8)	Analysis Date: 10/11/2017	SeqNo: 1492978						
Analyte	Result	MRL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Lead 0.1049 0.000100 0.1 0.002778 102 70 130 0.1044 0.561 20

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits
 ND Not Detected at the Minimum Reporting Limit R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



Chain of Custody Record

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

Section A
Required Client Information
 Company: CP SCHOOL DISTRICT #6
 Address: 300 ASH ST
 CENTRAL POINT, OR 97502
 Email:
 Phone:
 Fax:
 Collected By (Print): Tom Keller
 Collected By (Sign): Tom Keller
 Email Report Yes No Mail Report Yes No
 Fax Report Yes No

Section B
Required Project Information
 Project Name: SCVIC
 Project Number:
 Report To:
 Copy To:

Section C
Invoice Information
 Attention:
 Company Name:
 Address:
 P.O. #

Section D
Rush Status (Subject to Scheduling)
 Standard 10-14 Days
 5 Business Days (50% surcharge)
 3 Business Days (75% surcharge)
 24 - 48 hours (100% surcharge)
 Other _____
 Authorized Yes No

Section E Sample Information	Sample ID	Comp/Grab	Matrix*	Date Collected	Time Collected	No. of Containers	Analysis Requested	Section F	
								Relinquish/Receive	Sign
RM A5 OFFICE SINK	32487	DW	DW	10/6/17	7:21	1			
RM A3 OFFICE SINK	32495	DW	DW	10/6/17	6:47	1			
RM B3 S. LEFT SINK	26991	DW	DW	10/6/17	6:40	1			
RM B3 N. MIDDLE SINK	26947	DW	DW	10/6/17	6:35	1			
RM B3 N. RIGHT SINK	26895	DW	DW	10/6/17	6:36	1			
RM B3 S. RIGHT SINK	26906	DW	DW	10/6/17	6:37	1			
RM B3 S. MIDDLE SINK	26890	DW	DW	10/6/17	6:38	1			
RM B3 N. LEFT SINK	26843	DW	DW	10/6/17	6:33	1			
BAND RM FAUCET	26951	DW	DW	10/6/17	6:26	1			
RM B7 TEACHER FAUCET	26897	DW	DW	10/6/17	6:33	1			

*Matrix: DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other

Section F
 Relinquish/Receive: Jeff Gunn
 Received By: Jeff Gunn
 Relinquished By:
 Received By:
 Relinquished By:
 Received By: James Schmedeman
 Relinquished By: James Schmedeman

Section G
 Lab Use Only
 Temp: 4°C +/- 2°C: Yes No
 Received on Ice: Yes No
 Number of Bottles Received: 10
 pH Checked: 11/11
 COC Seals Intact: Yes No N/A
 Field Blank Included: Yes No
 Received Via: Invoice Cash VISA, M/C Check # _____ Amount _____



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 245 South Grape Street + Medford, OR 97501
 (541) 770-5678 fax (541) 770-2901

Chain of Custody Record

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

Section A Required Client Information		Section B Required Project Information		Section C Invoice Information		Section D Rush Status (Subject to Scheduling)	
Company: <u>C.P. School District 6</u>		Project Name: <u>Scenic</u>		Attention:		<input checked="" type="checkbox"/> Standard 10-14 Days	
Address: <u>300 Ash Street</u>		Project Number:		Company Name:		<input type="checkbox"/> 5 Business Days (50% surcharge)	
Email: <u>Central Point of 97502</u>		Report To:		Address:		<input type="checkbox"/> 3 Business Days (75% surcharge)	
Phone:		Copy To:		P.O. #		<input type="checkbox"/> 24 - 48 hours (100% surcharge)	
Fax:						Other: _____	
Collected By (Print): <u>Jeff Carr</u>						Authorized: Yes ___ No ___	
Collected By (Sign): <u>[Signature]</u>							
Email Report: Yes ___ No ___		Mail Report: Yes ___ No ___					
Fax Report: Yes ___ No ___							

Sample Information	Matrix*	Date Collected	Time Collected	No. of Containers	Analysis Requested	NRC Workorder # (Lab Use Only)	Remarks/Field Data	NRC Sample # (Lab Use Only)
RM B-7 N. Left Sink	DW	10-6-17	6:34	1	X	710280		071A
RM B-7 N. Right Sink	DW	10-6-17	6:35	1	X			081A
RM B-7 N. Middle Sink	DW	10-6-17	6:34	1	X			13A
RM B-7 S. Right Sink	DW	10-6-17	6:39	1	X			04A
RM B-7 S. Middle Sink	DW	10-6-17	6:39	1	X			15A
RM B-7 S. Left Sink	DW	10-6-17	6:37	1	X			16A

*Matrix DW - Drinking Water WW - Wastewater W - Water S - Soil/Solid SL - Sludge O - Oil WP - Wipe OT - Other

Section E Sample Information		Section F Relinquish/Receive		Section G Lab Use Only	
Relinquished By: <u>[Signature]</u>	Sign: <u>Jeff Carr</u>	Date: <u>10/6/17</u>	Time: <u>9:39</u>	Temp: <u>amb</u>	4°C +/- 2°C: Yes ___ No ___
Received By:		Print: <u>Jeff Carr</u>		Received on Ice: Yes ___ No ___	Number of Bottles Received: <u>4</u>
Relinquished By:				pH Checked: <u>NT</u>	pH: ___
Received By:				COC Seals Intact: Yes ___ No ___	Field Blank Included: Yes ___ No ___
Relinquished By:				Received via: UPS ___ FedEX ___ Other <u>Hand</u>	Payment: Invoice ___ Cash ___ VISA ___ MC ___ Check # ___ Amount ___
Received By Laboratory: <u>James Schmalzer</u>					