# **DuPage Water Commission and Lead**

Twenty five years ago the U.S Environmental Protection Agency (USEPA) published the Lead and Copper Rule (LCR) to control lead and copper in drinking water. The reason for the rule is that lead and copper negatively affect our health that much is clear. What is not widely understood outside of the water treatment and regulatory communities is that the LCR's action level is not a health-based limit but rather a trigger for water providers to implement treatment options which include water quality practices that help stabilize the water and prevent a corrosive environment. The LCR was developed to protect the end users, but the simple fact is that as long as there are lead pipes in the ground or lead plumbing in the home, some risk remains.

In light of the recent incidents in Flint Michigan, lead in drinking water has risen to the front page of every newspaper and the top story for every local news station. These stories have caused our customers to questions the safety of the water we supply on a daily basis. Our job is to reassure our customers that the water we supply is safe to drink and that we are diligently monitoring the water quality from the time it leaves our plant to the time it reaches their home.

The source water for the DuPage Water Commission is Lake Michigan, which doesn't contain any detectable lead. As the water passes through the James W. Jardine Treatment plant and flows through the City's tunnel system on its journey to DuPage County, the water does not pick up any detectable concentration of lead. The DuPage Water Commission facilities were constructed well after the use of lead was eliminated in 1986. This adds to the safeguard that the water has no contact with any source of lead on its journey from Lake Michigan to your community.

The City of Chicago routinely tests the source water and the water in their transmission system for lead and a variety of other possible contaminates in addition to their LCR required sampling of their distribution system. The Water Commission has recently started an additional testing program to verify the absence of lead and any other common contaminates in the water system. (*Test reports are attached*)

Sources of lead in drinking water are primarily from materials and components associated with service lines and home plumbing. Water suppliers are responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. If you have a question about the materials used to supply water to your home, please contact your local water utility supplier.

Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at:

## http://www.epa.gov/lead

<u>http://extension.psu.edu/natural-resources/water/drinking-water/water-testing/pollutants/lead-in-drinking-water</u>

## http://www.awwa.org/lead

There has been a call to remove all lead from the nation's drinking water systems and this will be a huge challenge for our industry, but before we address this task there are other solutions we should be addressing:

- Develop a communication plan to explain to your customers the risks of lead in drinking water
- Explain what your utility is doing to manage the risks associated with lead in drinking water
- Educate your customers on how they can protect themselves from lead in drinking water
- Develop a plan to locate and track the lead service lines in your system
- Develop a strategy and timeline to eventually replace the lead service lines in your system

The most baffling question in solving this lead challenge is who will pay? The proposed concept of cost sharing between the utility and the customers is currently being debated and there are no simple answers on the horizon. In the interim the best you can do is keep your customers informed and make some of the following suggestions:

- Have your water tested: Request a test from your local utility or check the Illinois Environmental Protection Agency
- Be aware of work that can disturb the service line: Construction, water main replacement or service line repair can loosen up lead, contaminating the water flowing into the house.
- Run water before use: Especially important if the home's water has not been used for several hours. The time varies based on the length of the lead service line. Five minutes will considerably reduce the amount of lead.
- Use only cold water for drinking, cooking and preparing baby formula.
- Purchase a water filter: Make sure it is certified to remove "total lead."
- Replace the entire lead service line.
- Change faucet screens: Routinely clean screens at the tip of the faucet, where sediment and metals can collect. The components should unscrew easily.

## Frequently Asked Questions

## Q: How often do water systems have to test for lead?

A: Systems must test every six months until they have achieved compliance and can qualify for a reduced sampling program. Systems that serve more than 50,000 customers can test annually as soon as two consecutive testing periods are below the level that requires federal action. Smaller systems that meet that standard can test every three years.

## Q: How do cities decide which homes to test and how are samples collected?

A: Water systems are supposed to collect samples from buildings that are at highest risk of lead contamination. Homeowners are recruited to voluntarily collect the samples, which must be drawn from a tap that has not been used for at least six hours.

## Q: How many samples are collected?

A: It depends on a system's size and whether it is on a reduced-sampling program. The number can vary from 100 samples for the largest water districts to five for the smallest.

## Q: What is the threshold for the EPA considering a water system in violation?

A: A system is considered out of compliance if more than 10 percent of the sites sampled have lead levels above the federal-action level of 15 parts per billion.

### Q: What happens then?

A: Within 60 days, the system must notify customers about the test results and inform them of the possible health risks and outline steps they can take to protect themselves. Those suggestions often include running water for 30 seconds to flush lead, using cold water for cooking and making baby formula, and replacing lead-based plumbing fixtures and service lines. Buying water filters and bottled water also are options.

## Q: Are the water systems required to do anything else?

A: Yes. Typically, they are required to study and eventually add corrosion-control treatments to the water supply. Often, systems use a chemical such as phosphate to make the water less corrosive and therefore less likely to leach lead from service lines and plumbing fixtures. They may also be required to replace some lead service lines, which connect water mains to individual homes.

# Q: Do all schools and day care centers have to test for lead?

A: No. In fact, most schools are not required to do testing under the rule. Only schools and day care centers that operate their own water systems are required to test for lead. Public and private schools and day care facilities that rely on a municipal water system are not required to test, although some do in the interest of safety.

### Q: How do I know if my house might have lead in the water?

A: Just because your community is over or under the federal limit does not mean the drinking water at your house is safe or unsafe. The best way to know might be to call your water supplier to have it tested for lead, a service that many are now offering for free.

## Q: Why don't more water systems replace their old lead pipes?

A: The cost, along with some questions about ownership. Many water systems have replaced or are in the process of replacing all of the lead-based water lines they own. But millions of miles of service lines deliver water to old homes, schools and businesses, and often cost \$3,000 to \$7,000 per location to replace. Property owners are generally responsible for those pipes.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 Tel (708) 544-3260 Toll Free (800) 783-5227 Fax (708) 544-8587 www.suburbanlabs.com

April 25, 2016

Terry McGhee Du Page Water Commission 600 E. Butterfield Road Elmhurst, IL 60126-4642

TEL: (630) 340-0100 FAX: (630) 340-0120

RE: Non-Compliance Drinking Water Analysis

Dear Terry McGhee:

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

Work Order: 1604407

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Pat Rodriguez

Panu Rodyu-

Customer Service Manager

708-544-3260 ext. 214

pat@suburbanlabs.com

Illinois Department of Public Health #17585



Illinois EPA #100225 Wisconsin FID#:399089350



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

**Case Narrative** 

Client: DUPAGE\_W\_C Date: April 25, 2016

**Project:** Non-Compliance Drinking Water Analysis **PO:** 

WorkOrder: 1604407 QC Level: LEVEL I

Temperature of samples upon receipt at lab: 15 C Chain of Custody: ELEC

#### General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All water analyses that are required to be performed in the field (e.g., pH, residual chlorine, sulfite, temperature, etc.) but are analyzed in the lab are identified as "in lab" and are considered past holding time. Following industry practices these results do not contain an "H" flag but are qualified as being analyzed in the lab.

#### Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

#### Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

#### Workorder Specific Comments:

1604407-001A was preserved in the lab.



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# **Laboratory Results**

Client: Du Page Water Commission Report Date: April 25, 2016

Project: Non-Compliance Drinking Water Analysis Workorder: 1604407

Client Sample ID: DWC DISCHARGE Matrix: Drinking Water

**Lab ID:** 1604407-001 **Date Received:** 4/6/2016 12:14 PM **Collection Date:** 4/6/2016 9:00 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed I	BatchID
Total Nitrates (Nitrate+Nitrite)	Method:						Analyst: pgr	
Total Nitrates (as N)	.5	10.0	0		mg/L	1	4/6/2016 3:10 PM	R70674
TURBIDITY	Method: -180.1-2.0, Aug-93						Analyst: jmk	
Turbidity	ND		0.100		NTU	1	4/6/2016 3:00 PM	R70666
METALS by ICP	Method: -200.7-4.4,1994						Analyst: jtl	
Calcium	36,500		500		μg/L	10	4/11/2016 1:57 PM	35452
Hardness, Ca/Mg (As CaCO3)	140,000		0		$\mu g/L$	10	4/11/2016 1:57 PM	35452
Iron	ND	1,000	50.0		$\mu g/L$	1	4/11/2016 3:03 PM	35452
Iron	ND	1,000	500		$\mu g/L$	10	4/11/2016 1:57 PM	35452
Magnesium	11,800		500		$\mu g/L$	10	4/11/2016 1:57 PM	35452
Sodium	7,390		3,000		$\mu g/L$	10	4/11/2016 1:57 PM	35452
METALS by ICPMS	Method: -200.8-5.4, 1994						Analyst: jmk	
Antimony	ND	6.00	2.00		μg/L	1	4/11/2016 2:36 PM	35452
Arsenic	ND	10.0	0.500		$\mu g/L$	1	4/7/2016 4:21 PM	35452
Barium	21.3	2,000	5.00		$\mu g/L$	1	4/7/2016 4:21 PM	35452
Beryllium	ND	4.00	1.00		$\mu g/L$	1	4/11/2016 2:36 PM	35452
Cadmium	ND	5.00	3.00		$\mu g/L$	1	4/11/2016 2:36 PM	35452
Chromium	ND	100	5.00		$\mu g/L$	1	4/11/2016 2:36 PM	35452
Copper	ND	1,300	100		$\mu g/L$	1	4/7/2016 4:21 PM	35452
Lead	ND	15.0	5.00		$\mu g/L$	1	4/7/2016 4:21 PM	35452
Mercury	ND	2.00	0.100		$\mu g/L$	1	4/11/2016 2:36 PM	35452
Selenium	ND	50.0	2.00		$\mu g/L$	1	4/7/2016 4:21 PM	35452
Thallium	ND	2.00	2.00		$\mu g/L$	1	4/11/2016 2:36 PM	35452
ALKALINITY, TOTAL	Method: -232	0B-18Ed, 1992	2, 21Ed, 1997				Analyst: src	
Alkalinity, Total(As CaCO3)	106		20.0		mg/L CaCO3	1	4/7/2016 3:17 PM	R70711
VOLATILE ORGANIC COMPOUNDS (Regulated)	Method: -524	.2-R4.1					Analyst: rgb	
Benzene	ND	5.00	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
Carbon tetrachloride	ND	5.00	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
Chlorobenzene	ND	100	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Rpt Ver: 4/25/2016 4:57 PM								



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# **Laboratory Results**

Client: Du Page Water Commission Report Date: April 25, 2016

Project: Non-Compliance Drinking Water Analysis Workorder: 1604407

Client Sample ID: DWC DISCHARGE Matrix: Drinking Water

**Lab ID:** 1604407-001 **Date Received:** 4/6/2016 12:14 PM **Collection Date:** 4/6/2016 9:00 AM

Parameter	Result	MCL	Report Limit	Qual	Units	DF	Date Analyzed	BatchID
VOLATILE ORGANIC COMPOUNDS (Regulated)	Method: -524	.2-R4.1						
1,4-Dichlorobenzene	ND	75.0	0.500	0.500		1	4/8/2016 10:19 AM	R70762
1,2-Dichlorobenzene	ND	600	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
1,2-Dichloroethane	ND	5.00	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
1,1-Dichloroethene	ND	7.00	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
cis-1,2-Dichloroethene	ND	70.0	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
trans-1,2-Dichloroethene	ND	100	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
1,2-Dichloropropane	ND	5.00	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Ethylbenzene	ND	700	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Methylene chloride	ND	5.00	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Styrene	ND	100	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Tetrachloroethene	ND	5.00	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Toluene	ND	1,000	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
1,2,4-Trichlorobenzene	ND	70.0	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
Trichloroethene	ND	5.00	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
1,1,1-Trichloroethane	ND	200	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
1,1,2-Trichloroethane	ND	5.00	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
Vinyl chloride	ND	2.00	0.500		μg/L	1	4/8/2016 10:19 AM	R70762
m,p-Xylene	ND		0.500		μg/L	1	4/8/2016 10:19 AM	R70762
o-Xylene	ND		0.500		μg/L	1	4/8/2016 10:19 AM	R70762
Total Xylenes	ND	10,000	0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Internal Quality Control Compounds								
Surr: 1,2-Dichlorobenzene-d4	115		70-130		%Rec	1	4/8/2016 10:19 AM	R70762
Surr: 4-Bromofluorobenzene	117		70-130		%Rec	1	4/8/2016 10:19 AM	R70762
VOLATILE ORGANIC COMPOUNDS (Unregulated)	Method: -524	.2-4.1, 1995					Analyst: rgb	
Methyl tert-butyl ether	ND		0.500		$\mu g/L$	1	4/8/2016 10:19 AM	R70762
Internal Quality Control Compounds								
Surr: 1,2-Dichlorobenzene-d4	115		66.8-122		%Rec	1	4/8/2016 10:19 AM	R70762
Surr: 4-Bromofluorobenzene	117		67.7-120		%Rec	1	4/8/2016 10:19 AM	R70762
PESTICIDE COMPOUNDS	Method: -525	.2-2.0, 1995					Analyst: ls	
Alachlor	ND	2.00	0.200		$\mu g/L$	1	4/21/2016 2:35 PM	35718
Atrazine Rpt Ver: 4/25/2016 4:57 PM	ND	3.00	0.200		μg/L	1	4/21/2016 2:35 PM	35718

Simazine	ND 4.00	0.200	μg/L	1	4/21/2016 2:35 PM	35718
Internal Quality Control Compounds						
Surr: 1,3-Dimethyl-2-nitrobenzene	95.6	60.3-130	%Rec	1	4/21/2016 2:35 PM	35718
Surr: Perylene-d12	49.2	26-125	%Rec	1	4/21/2016 2:35 PM	35718
Surr: Triphenyl phosphate	108	50.9-181	%Rec	1	4/21/2016 2:35 PM	35718
pH Method 9041A (in laboratory)	Method: -9041A-1, Jul-92	2			Analyst: pgr	
pH	7		pH Units	1	4/6/2016 3:10 PM	R70674
Coliform, Presence-Absence	Method: -9223B-PA-18E	d, 1992			Analyst: emk	
E. Coli	0	0	CFU/100m 1	1	4/7/2016 2:55 PM	35433
Total Coliform	0	0	CFU/100m	1	4/7/2016 2:55 PM	35433



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

**Prep Dates** 

**Report Date:** April 25, 2016 Original

Workorder: 1604407

Client: Du Page Water Commission

**Project:** Non-Compliance Drinking Water Analysis

Sample ID	Client Sample ID	Collection Date	Prep Batch Prep Test Name	Leachate Date	Prep Date
1604407-001A	DWC DISCHARGE	4/6/2016 9:00 AM			
			35452 Turbidity Check		4/7/2016 9:21 AM
			35452 Turbidity Check		4/7/2016 9:21 AM
1604407-001B	DWC DISCHARGE	4/6/2016 9:00 AM			
1604407-001C	DWC DISCHARGE	4/6/2016 9:00 AM			
1604407-001D	DWC DISCHARGE	4/6/2016 9:00 AM			
			35433 Total Coliform Prep		4/6/2016 2:38 PM
1604407-001E	DWC DISCHARGE	4/6/2016 9:00 AM	•		
1604407-001F	DWC DISCHARGE	4/6/2016 9:00 AM			
			35718 525 Prep Code		4/20/2016 12:20 PM



1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

# **Qualifier Definitions**

Report Date: April 25, 2016

**WorkOrder:** 1604407

# **Qualifiers:**

W

В	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation
C	Value is below Minimum Concentration Limit
E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)
N	Tentatively identified compound
ND	Not Detected at the Reporting Limit
P	Present
R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits

Sample container temperature is out of limit as specified at testcode

Value exceeds Maximum Contaminant Level

	SUBURBAN LA	BORATOR	RIES, In	c.				CHAIN O			. *			4.0		D]#	Electro	onic V	ersion
WIE.	1950 S Batavia Ave Ste 150 Ge	neva, 1L 60134	Tel. 708.54	4.3260	Fax: 708			ree: 800.783.L/	\BS		<u>ww</u>	v.sub	urbant	abs.co	<u>om</u>			. 1	
Company Names y	OMBEGE VA				TURN	ARO	UND TIME REQ			ANAI	YSIS	& ME	THODE	REQUI	ESTED		age / o		
				N IX	_Norma		RUSH* Char	ditional Rush les Approved.		Ente	ran "	X" in b	ox belo	w for re	equest	٦	No.		
AT A STATE OF THE PARTY OF THE		745		Service Service	& Time N				1				1			Sh	Ipping Method		
	KANES TOS SABEL			Sievers			k days for most work.	Rush work must be	GE							Ta	C Reporting -		] 2 ] 3
1000			<b>II</b> For R		pro-ar	prove	d and additional charg	ges apply.	KA			ł				330	Level	SHANE KERNE KE	000 1200 100 100 100 100 100 100 100 100
	gheeedp	$\gamma \in \mathbb{R}$		Sp.		latory quirec	Program:	. None/Info only	PACKAGE								EAB-U	SEQ	NEX.
Project ID / Location			CHARLES CONTRACTOR OF THE SAME				SRP	SDWA								St	100	440	, 7
	Safe Water Test Pac		and an American Constitution	15020051005			NPDES	MWRDGC	TEST		Ì						Samela conta	note: © y	Rin Va
Project Manager (R	72 F F 19 //				503 Sl	uage		J.,,,,,,,	%								Temperature o	onelsse featlesse	
Sample Collectors		17.47/2014			Dispos	al	Other section	se specify in comment n below.	YA7	-					-		ocellod Sahip		55 B U
			NAME OF THE PARTY	**************************************	00.0.		ONTAINEDS		Æ W								amples for elvery 24 hours of call	ection?	
1	MPLE IDENTIFICATION	COLLE		MATRIX	GRAB/ COMP.	Qty	ONTAINERS SIZE & TYPE	PRESERVATIVE	SAFE								Condition	ill sin	CEARS#
Use One L	ine Per Preservation & Container Type	REMOVED FOR STEEL AND ADDRESS.	TIME					HNO3	$\dot{\mathbf{x}}$			$\dashv$				15			SOIL
1 2/2	e de la company de la comp	\$ 21 1/26 a	3/2/2/3/0	DW	G	1	1 Liter Plastic			<del></del>	-	-	_			- 10			
2	a Busekada		19300	DW	- G	2	40 mL Glass Vial	HCl	X					1		33 82	oz Progradi Se progradin	200 (200)	
3 75 6			2, 00	DW	G	2	1 Liter Amber Glass	Na2SO3/HCI	X							3	1000		000
			1000000000	DW	G	1	8 oz Plastic	Unpreserved	X										COL
4 0242					-		1 Liter Plastic	Unpreserved	Х	_					-				eĕ.€
5			4.00	DW	G	1			-					+ +		12			ee (E)
6	e Pojski balle			DW	G	1	120 mL Plastic	Na2S2O3	X	-	-			+		§			
7				\$ . •			· 		Ŀ					1 1					
	<u></u>									-				1 1					
8			1						十										
9					-	-			╁	+-	+		_	+ +					
10	·				<u> </u>	<u> </u>			╁	-	-					-			100
11											<u> </u>								
	<del></del>										1		-						
12	ng Water (DW), Soil (S), COI	MMENTS & SPECIA	AL INSTRUC	TIONS:	<u> </u>	<u> </u>	1									SPERVINE SERVIN		DITION C	
	W), Surface Water(SW),	JASE COMPLET		NCHIED)	SECTIO	NS											Improper/dan     Improper pre-		шпопсар
Ground Water (G	SW), Solid Wasto (WA). \$49	9.00				1.5											3. Insufficient s	ample volu	
Studge (U), Wipe		LLECT ALL BOT L EACH VIAL WI	THOUT-AIR	RURRI ES	: - DO N	OT.0	OVERFLOW A	ND SPILL HCI	PR	ESE	RVA	TIVE					4. Headspace/a		
	Tel. 500ml, Liter (L), Tube. FIL AD	D ONE 7 ML HCI	FIELD/PRE	SERVATIO	N VIAL	то	EACH OF THE	LITER AMBE	RB	OTT	LES	AFT	ER S/	AMPL	E.		5. Received pa- 6. Received fro		ume
		LLECTION	/s ( ).		•	*******	11										7. Label conflic		C.
NaOH, Sodium E	Bisulfate (NaB), NaThio	Philippine 2 Philippine	puls hood By		Qat	4	3. Roling	ulshed By	-		Dat	0		4. R	elinquishe	d By		Da	ite
1. Rollnoulation	/rtClse= b		XXX	_/>		1 K	101												
Received By		Receive	d By	5 r	] Ice	14	Received	1 8 <u>y</u>			Ice	19		Rec	elved By			] Ide"	me
RO	2 Ollan III	///				0.4	- ルル				. [-		O		i4 i4 la	amala	e Kaanaa	ony for	VOLIT PROOF
Submission	of samples subject to Terms	and Conditions on I	oack.	Ro	ov. 7/20/08		Pleas	e fill out this form	cor	npiet	ely, p	nnt, s	ign &	suom	ii with S	ample	ss. neep a c	opy tot	your record
Rpt Ver: F	Pat 2/11/2016 8:57 A	AM.	•																- '