

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QH6000	QH6001	QH6002	QH6003	QH6004	QH6005			
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05			
COC Number			08434223	08434223	08434223	08434223	08434223	08434223			
	UNITS	MAC	NDSS@35 @ 30S	DAC#1 @ 30S	RBCH#1 30S	RBCH#2 30S	RBCH#3 30S	RBCH#4 30S	RDL	QC Batch	
Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	29.4	1.94	0.40	8.00	8.23	0.55	0.20	8511138	
No Fill	No Exceed	dance									
Grey	Exceeds 1	criteri	a policy/level								
Black	Exceeds b	oth cri	10 29.4 1.94 0.40 8.00 8.23 0.55 0.20 8511138								
RDL = Reportable Detect	on Limit										

Maxxam ID				QH6006		
Sampling Da	ite			2016/12/05		
COC Numbe	r			08434223		
		UNITS	MAC	RBCH#5 30S	RDL	QC Batch
Total Metals	by ICPMS					
Total Lead (F	Pb)	ug/L	10	1.09	0.20	8511138
No Fill	No Exceedance		•		-	•
Grey	Exceeds 1 crite	ria polic	y/leve	I		
Black	Exceeds both c	riteria/le	evels			
RDL = Repor	table Detection L	imit				



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GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.3°C
Package 2	6.0°C

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

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Site Location: SCHOOL DISTRICT 68

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			Matrix	Spike	Spiked	Blank	Method B	lank	RPI)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8511031	Total Lead (Pb)	2016/12/23	94	80 - 120	97	80 - 120	<0.20	ug/L	2.7	20
8511035	Total Lead (Pb)	2016/12/24	NC	80 - 120	98	80 - 120	<0.20	ug/L	1.0	20
8511036	Total Lead (Pb)	2016/12/24	96	80 - 120	97	80 - 120	<0.20	ug/L	3.1	20
8511137	Total Lead (Pb)	2016/12/23	NC	80 - 120	97	80 - 120	<0.20	ug/L	1.2	20
8511138	Total Lead (Pb)	2016/12/23	NC	80 - 120	96	80 - 120	<0.20	ug/L	0.49	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



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BBY FCD-00077/05 Page 1 of 8

	Invoice Information		Report Info	ormation (if	differs fr	om ir	voice)		T		Pro	ject lı	nform	ation	(whe		uner"		1"	Turnaround Time	(TAT) Required
Company Name:	Tetra Tech EBA	Com	pany Name:							Q	uotatio	n #1						ANITY.			Regular TAT 5	days (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Cont	act Name:							p	O. #/ A	FE#:								P	LEASE PROVIDE ADVANCE N	OTICE FOR RUSH PROJE
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	ress:			N.				P	oject #		ENV	V.VEN	W030	11-01					Rush TAT (Surcharg	es will be applied)
	BC PC: V9T 6A7				X 1	PC:				Si	te Loca	tion:	Scho	ol Dis	trict (8					☐ Same Day	☐ 2 Days
Phone: 250-756-	2256 / 250-713-9178	Phor	ne:						a,819)	Si	te #:								1.6		☐ 1 Day	☐ 3 Days
Email: darren	.thomas@tetratech.com	Ema	ii: <u>mike.qallo</u>	@tetrate	ch.con	<u>n</u>				Sa	mpled	Ву:	Darr	en Th	omas		POLC.	Ada ye		Di	ate Required:	推示。但是是
	Regulatory Criteria		Special Ir	nstructions				111			Α	nalys	is Rec	ueste	d					Ri	ush Confirmation #:	
									L												LABORATO	ORY USE ONLY
BC CSR Soil	☐ BC CSR Water		Return C	ooler		н		_ [Chount				QC	'n	<u>,0</u>					CUSTOP/ SEAL	
						VOC/VPH		7	F4	0		1	ulphate	0	Alkalini	mmon					Y/(N)	COOLER TEMPERATURES
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Drinking Wat	er 🔃 BC Water Qua	lity			-	MTBE	96		BTEX/F1	1	2	虚	fuoride		onduct	Nitrate			SSUR		IA WARNA	666
SAMPLES M	UST BE KEPT COOL (< 10 °C) FROM TIN	ME DE SAMPI	ING LINTIL DELIVER	V TO MAYYA	M M			as I		, des	و	λ'n		TDS					CONTAINERS SURMITTED		NOT.	
	mple identification	Lab dentification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	втех/урн		□ Hw	CCME-PHC	Discound Ma	Total Metals	fotal Mercury	Chloride	D 82	П н	Vibrite	EAD		TOFCONT		COOLING MEDIA PRESE	MENTS / N
1	LIS#1 @ 0s		12/19/2016		Water					T							х		1			
2	LIS#2 @ Os		12/19/2016		Water												х		1			1
3	LIS#3 @ Os		12/19/2016	- 5	Water		-			T							x		1		18	
4	LIS#4 @ 0s		12/19/2016	ie.	Water		NO.										х	П	1			
5	LIS#5 @ Os		12/19/2016		Water		П	\neg		T							х	\sqcap	1			
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7	LIS#7 @ 0s		12/19/2016		Water			\top	\top	1							х	\top	1			
8	LIS#8 @ 5min		12/19/2016		Water										7		x	\top	1	-	10	
9	LIS#9 @ 0s		12/19/2016		Water						-					T	х		1	900		
10	LIS#10 @ 0s		12/19/2016		Water												х		1			
RELINQUISHED	D BY: (Signature/Print) DATE: (YYYY/MM/D	D) TIME: (HH:M		100000	VED	BY: (Si	gnatu	re/Prir	t)		DA	TE: (Y	YYY/	MM/I	OD)	TIMI	: (HH:MN	1)		MAXXAM I	DR.#
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	femires money 25th	11-10		1111	VVV	MA				1	_	- 4	NV	1	+	4				12		
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BBY FCD-00077/05

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 COC Page 2 of 8 Invoice Information Report Information (if differs from invoice) Project Information (where approximation) Turnaround Time (TAT) Required Regular TAT 5 days (Most analyses) Tetra Tech EBA Company Name: Quotation #: Company Name: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas / Mike Gallo Contact Name: Contact Name: P.O. #/ AFE#: #1 - 4376 Boban Drive, Nanaimo ENW.VENW03011-01 Rush TAT (Surcharges will be applied) Address: Address: Project #: ☐ Same Day ☐ 2 Days PC: V9T 6A7 PC: Site Location: School District 68 ☐ 1 Day ☐ 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: Email: darren.thomas@tetratech.com mike.gallo@tetratech.com Sampled By: Darren Thomas Date Required: **Regulatory Criteria** Special Instructions **Analysis Requested** Rush Confirmation #: LABORATORY USE ONLY BC CSR Soil BC CSR Water Return Cooler CUSTODY SEAL COOLER **TEMPERATURES** CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Intact (Please Specify) 445 BC Water Quality ☑ Drinking Water SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM Date Sampled Sample Identification Matrix Sampled Identification (YYYY/MM/DD) COMMENTS LIS#11 @ 0s 1 12/19/2016 X Water LIS#12 @ 0s 12/19/2016 1 Water 1 LIS#13 @ 0s 12/19/2016 Water X LIS#14 @ 0s 12/19/2016 1 x Water 1 LIS#15 @ Os 12/19/2016 x Water LIS#16 @ 0s 1 12/19/2016 x Water LIS#17 @ 0s 12/19/2016 1 Water LIS#18 @ 0s 12/19/2016 × 1 Water 1 LIS#19 @ 0s 12/19/2016 X Water 10 LIS#20 @ 0s 12/19/2016 Water RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) MAXXAM JOB # 2016/12/19 11:00

B6B3648 COC



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BBY FCD-00077/05 Page 3 of 8

	Invoice Information		Report Inf	formation (if	differs fr	om ir	voice	e)					Pro	ect In	form	ation	(whe	te ap	pireaure/-+-		1	Time (TAT) Required
Company Name:	Tetra Tech EBA	Con	npany Name:		77						Que	otatio	n #:							Ni.		Regular TAT 5 days (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Con	tact Name:								P.O.	#/ Al	E#:								PLE	EASE PROVIDE ADVANCE NOTICE FOR RUSH PROJEC
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	ress:		10.5						Proj	ject#:		ENW	,VEN	W030	11-0	ı		300		Rush TAT (Surcharges will be applied)
	BC PC: V9T 6A7			3015	Web	PC:	y y				Site	Locat	ion:	Scho	ol Dis	trict 6	8		S III S S	37		☐ Same Day ☐ 2 Days
Phone: 250-756-	2256 / 250-713-9178	Pho	ne:								Site	#:			96							☐ 1 Day ☐ 3 Days
Email: darren	.thomas@tetratech.com	Ema	iii: <u>mike.qallo</u>	@tetrate	ch.cor	<u>n</u>		13	170	C.V	Sam	pled	Ву:	Dam	en Th	omas					Dat	te Required:
	Regulatory Criteria		Special I	nstructions								Ar	alysi	s Req	ueste	d					Rus	sh Confirmation #:
																						LABORATORY USE ONLY
BC CSR Soil	☐ BC CSR Wa	ter	Return C	Cooler		I				Spavi	rved?				g		n					CUSTODY-SEAL
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☑ Drinking Wat	er 🗵 BC Water C	tuality				MTBE	TQ CS		BTEX/ F	FIRE	HI I	Fiel	Field	uoride		onduct	Hrrate			SUBN	NALYZ	UA lelelo
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Sa	ample Identification	Identification	(YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех	EPH	PAH	CCM	Disso	Disso	Total	Total	Chilor	155	Hd	Nitrit	LEAD		10 #	HOLD	COMMENTS
1	LPS#1 @ 0s		12/19/2016		Water			-										х		1		8
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3	LPS#3 @ 0s		12/19/2016		Water													х		1		
4	LPS#4 @ Os		12/19/2016		Water													х		1		
5	LPS#4 @ 5min		12/19/2016		Water													x		1		
6	LPS#5 @ 0s		12/19/2016		Water	A)		\exists	П									x		1		
7	LPS#6 @ 0s		12/19/2016		Water	Н		\forall				Т						x		1		
8	LPS#7 @ 0s		12/19/2016															x	+	1		
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BBY FCD-00077/05

	Invoice Information		4606 Canada Way, B Report Ir	nformation (if differ	-		_		I		Proj	ect Inf	ormat	on (w	-	pplicable)	*****	- 1		Turnaround Time	Page 4 of 8 (TAT) Required
Company Name:	Tetra Tech EBA	Co	mpany Name:						Qu	otatio	n#:					A Pick				Regular TAT 5	days (Most analyses)
Contact Name:	Darren Thomas / Mike Gal	lo Co	ntact Name:						P.(), #/ Al	FE#:							20	PLEA	ASE PROVIDE ADVANCE N	OTICE FOR RUSH PROJEC
Address:	#1 - 4376 Boban Drive, Na	naimo Ad	dress:						Pro	ject#		ENW.	VENW	3011-	01			100		Rush TAT (Surcharge	es will be applied)
	BC PC: V9T	6A7			PC			7 - S	Sit	Local	tion:	Schoo	l Distri	ct 68				3		☐ Same Day	☐ 2 Days
hone: 250-756	-2256 / 250-713-9178	Ph	one:		g ev				Sit	e#:		V.					10			☐ 1 Day	☐ 3 Days
mail: darrer	n,thomas@tetratech.c	om Em	ail: <u>mike.gal</u>	lo@tetratech.c	om				Sai	npled	Ву:	Darre	n Thon	185					Date	Required:	0.46555
	Regulatory Criteria		Special	Instructions	T					A	nalysi	Requ	ested						Rush	Confirmation #:	
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BC CSR Soil	☐ BC	OSR Water	Return	Cooler					rved?				0							CUSTODYSEAL	
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S	ample Identification	Identification	Date Sampled (YYYY/MM/DD)	Sampled Matri (HH:MM)	N BTEX/VPH	Hd3	РАН	CCME	Dissol	Total	Total 1	Chloride	SSI	Nitrita	(EAD			HOF	ОПОН	CON	MENTS
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2	LPS#11 @ 0s		12/19/2016	Wate	er										×		1	1			
3	LPS#12 @ 0s		12/19/2016	Wate	er										×			1			
4	LPS#13 @ 0s		12/19/2016	Wate	er	П									×			1			
5	LPS#14 @ 0s		12/19/2016	Wate	er										×			1			
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CHAIN OF CUSTODY PECOPO

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BBY FCD-00077/0

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Company Name:	Tetra Tech EBA	Con	npany Name:				View.			7	Quota	tion#:					te:				Regular TAT 5 days (Most analy
Contact Name:	Darren Thomas / Mike Gallo	Con	tact Name:								P.O. #	/ AFE#								PLEA	ASE PROVIDE ADVANCE NOTICE FOR RUSH F
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	Iress:				10	10.0	18		Projec	t#:	ENV	V.VEN	W030	11-01	ı				Rush TAT (Surcharges will be applied
	BC PC: V9T 6A7					PC:	16		ila:		Site Lo	cation	Sch	ool Di	trict 6	8					☐ Same Day ☐ 2 Da
Phone: 250-756-	-2256 / 250-713-9178	Pho	ne:	4 Se 62			ige		Assi	25	Site #:					28	Tega:		digital.		☐ 1 Day ☐ 3 Day
Email: darren	n.thomas@tetratech.com	Ema	iii: <u>mike.gal</u>	lo@tetrat	ech.cor	n		160	28%		Sampl	ed By:	Dar	ren Th	omas					Date	Required:
	Regulatory Criteria		Special	Instructions			_	_	_	_		Analy	sis Re	quest	d	_	_		_	Rush	Confirmation #:
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Sa	ample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех/урн	EPH	ран [CCME-PHC	Dissolve	Dissolve	Total Mercury	Chloride	TSS [H L	Nitrite	LEAD		# OF CO	ного-	COOLING MEDIA PRESENT Y /
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2	CMD#2 @ 0s		12/19/2016		Water									,			x		1		OF CHIEF
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10	NOES#6 @ 0s		12/19/2016		Water						1	\top					х		1		
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08434225

BBY FCD-00077/05 Page 6 of 8

Tech EBA n Thomas / Mike Gallo 376 Boban Drive, Nanaimo PC: V9T 6A7 50-713-9178 as @ tetratech.com egulatory Criteria		mike.gallo	<u>o@tetrate</u>	ch.con	PC:				P.O. i Proje		t: ENV		W03011	-01	48.		PLE	ASE PROVIDE	ADVANCE NO	days (Most analyses)
376 Boban Drive, Nanaimo PC: V9T 6A7 50-713-9178 as @tetratech.com egulatory Criteria	Addre	mike.gallo	HERITA CONT.	ch.con					Proje	at #r	ENV		W03011	-01			PLE			
PC: V9T 6A7 50-713-9178 as@tetratech.com egulatory Criteria	Phone	mike.gallo	HERITA CONT.	ch.con							1		W03011	01						a colli ba anadia il
50-713-9178 as @ tetratech.com egulatory Criteria		mike.gallo	HERITA CONT.	ch.con					Site L	ocatio		14.50			ALTERNATION OF THE PARTY OF THE		E 768	Rush TA	(Surcharge	s will be applied)
as@tetratech.com egulatory Criteria		mike.gallo	HERITA CONT.	ch.con	n						n: Sch	ool Dis	trict 68					☐ Sar	ne Day	☐ 2 Days
egulatory Criteria	Email		HERITA CONT.	ch.cor.	n			2000	Site #									☐ 1D	ay	☐ 3 Days
		Special I	nstructions		11	1535			Samp	led By	: Dar	ren Th	omas	91.30	West 1		Date	Required:		
☐ BC CSR W										Anal	ysis Re	queste	d				Rus	n Confirma	ion#:	Septemblish
☐ BC CSR W																			LABORATO	ORY USE ONLY
Other (Sp	ecify)		nple Bottles		мтве 🔲 кос/урн		LEPHONEDH LL	Itered?	ury Filtered? Preserved?	Field Preserved?	Field Preserved? Flooride Sulphate	000 🔲 008	Conductivity Alkalinity				ANALYZE	Y	Intact	COOLER TEMPERATURES
	Lab	Date Sampled	Y TO MAXXA Time Sampled	Matrix	□ HAVVS			solved Meta	solved Merc	al Metals	al Mercury	D Tros		9			ID- DO NO	COOLING		NT Y / N
S#7 @ 0s	Identification	12/19/2016	(HH:MM)	Water	BTE	ā	A S	B I ii	şiğ	To.	3 3	TSS	He s	-	2000	200	-	4	СОМ	MENTS
SPATESTRANCE		12/19/2016			H	\vdash	+	+	\vdash	+	+	\vdash	_	Ť		190		9		
	-					+	+	+	\vdash	+	+		+	+	+	- 170				
		- 27 - 27		RVVIS 1		\vdash			\vdash	+	+			+	\vdash	- 10	A PROPERTY.		_	
		CONTRACTOR NO.		1		+	+	+	\vdash	+	+		+	÷	Н	- 8	88 124			
				hessalt min	H	\vdash	+	+	\vdash	+	+	-	+	+	$\vdash\vdash$	- 35				
						\vdash	+	+		+	+		+			- 5	7,00	8		
WAR - 500		10 01		Water		\vdash	-	-	H	-	+	H	-	+	\vdash	35	40		S. 1	
		20 20		Water		\vdash	+	-	\vdash	+	+		4	-	\vdash	- 8	213 THESE		I'm.	
6#15 @ Os	-	12/19/2016		Water			_	+	\sqcup	1	+	\sqcup	_	x		13				
5#16 @ Os		12/19/2016		_										х		30	l	E .		
	. /	Service with	1 m	RECEI	LL.					1				+			1500	عالم الله		
	EPI COOL (< 10 °C) FROM ntification 5#7 @ Os 5#8 @ Os 5#9 @ Os #10 @ Os #11 @ Os #12 @ Os #13 @ Os #14 @ Os #15 @ Os #16 @ Os nature/Print) DA	EPI COOL (< 10 °C) FROM TIME OF SAMPU Lab Intification SH7 @ Os SH8 @ Os SH9 @ Os H10 @ Os H11 @ Os H12 @ Os H14 @ Os H15 @ Os H15 @ Os H16 @ Os Intification DATE: (YYYY/MM/DC)	Ship San	Ship Sample Bottles (Please Specify) EPI COOL (<10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXA Intification Lab Date Sampled (YYYY/MM/DD) TIME (HH:MM) TIME Sampled (YYYY/MM/DD) TIME (HH:MM) TIME Sampled (YYYY/MM/DD) TIME (HH:MM) TIME Sampled (YYYYY/MM/DD) TIME Sampled (YYYYYY/MM/DD) TIME Sampled (YYYYY/MM/DD) TIME Sampled Sampled (YYYYYY/MM/DD) TIME Sampled (YYYYYY/MM/DD) TIME Sampled (YYYYYY/MM/DD) TIME Sampled Sampled (YYYYY/MM/DD) TIME Sampled (YYYYYY/MM/DD) TIME Sampled (YYYYYY/MM/DD) TIME Sampled Sampled (YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	Ship Sample Bottles Please Specify	Ship Sample Bottles (Please Specify)	Ship Sample Bottles Please Specify	Ship Sample Bottles Please Specify	Ship Sample Bottles Please Specify Sample Bottles Please Specify Ship Sample Bottles Please Specify Please	Ship Sampled Color Color	Ship Sample Bottles Please Specify	Skip Sample Bottles Please Specify	Skip Sample Bottles Please Specify Bic Water Quality Bic W	Ship Samples Bottles (Please Specify)	Skip Sample Bottles	Skip Sample Bottles	Ship Samples Bottles			



08434224

BBY FCD-00077/05

	Invoice Information			Report Ir	formation (if differs f	rom ir	nvoic	e)		\Box		Pro	ject l	nform	ation (wher	copp	······································		1	d Tir	ne (TAT) Required
ompany Name:	Tetra Tech EBA		Compan	y Name:	Salari S					833		Quota	tion#:			T.V.						Regular TA	T 5 days (Most analyses)
ntact Name:	Darren Thomas / Mike 0	Sallo	Contact	Name:								P.O. #/	AFE#:								PL	LEASE PROVIDE ADVANC	NOTICE FOR RUSH PROJE
ddress:	#1 - 4376 Boban Drive, I	Nanaimo	Address	1	10.4	l'est				Days		Projec	t#:	ENV	V.VEN	W0301	1-01		Igas			Rush TAT (Surcha	rges will be applied)
	BC PC: V	/9T 6A7					PC:					Site Lo	cation:	Scho	ool Dis	trict 68	3					☐ Same Day	☐ 2 Days
hone: 250-756-2	256 / 250-713-9178		Phone:		William.	uioni		8.3		27.07		Site #:			384		28		iksi.	TWE!		☐ 1 Day	☐ 3 Days
mail: darren.t	thomas@tetratech	n.com	Email:	mike.gal	lo@tetrat	tech.co	m					Sampl	ed By:	Dan	ren Th	omas			1406		Da	ate Required:	
	Regulatory Criteria			Special	Instructions	5	\Box	_					Analy	sis Rec	queste	d					Ru	ush Confirmation #:	
								100				0 0][LABORA	TORY USE ONLY
BC CSR Soil	8	C CSR Water		Return	Cooler		,		100		rved?	wed?			00	,	9					CUSTOD SEA	ı T
							VOC/VPH			¥	Prese	Prese		phate	ö	kafinit	ттоп					Y //(N)	COOLER
CCME (Specify)) 🗆 c	Other (Specify)			mple Bottle		>	P	ерн/нерн] 12		ן כ	pavia	S		×	4					Present Intact	
	<u> </u>			(Please	Specify)			ĬĮ.	LEPH		ered?	ered?	d Pres	Г	800	vity	7			DE CONTRACTOR		# MA	1440
2 Drinking Water	r 🗵 🗷	C Water Quality					TBE		V.	BTDV E	#	Filter	1 10	portide		enducti	Itrate			SUBN	NAN VZ	IAI IAI	101010
							Σ				etals	ercury	2	<u></u>	SOT	3	2			INERS	A TO	MT MT	Miles
SAMPLES MU	IST BE KEPT COOL (< 10 °	C) FROM TIME OF	THE REAL PROPERTY.	Date Sampled	RY TO MAXX	MA	NPH L			CME-PHC	ved Met	M pan	Merca	8						OF CONTAINERS SUBMITTED	OUD DO NOT ANALYZE	COOLING MEDIA PRI	SENT (Y)/ N
Sam	nple Identification	Identif		YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех/урн	Н	РАН	CCME	Dissol	Disso	Total	Chlori	TSS	H	Nitrite	LEAD		II OF	2	O C	OMMENTS
1	NOES#17 @ 0s			12/19/2016		Water) 									x		1		ŝŝ	
2	NOES#18 @ 0s			12/19/2016		Water												x		1			
3	NOES#19 @ 0s			12/19/2016		Water												х		1			
4	NOES#20 @ 0s			12/19/2016		Water												x		1			
5 N	IOES#20 @ 5min		1	12/19/2016		Water				П								x		1			
6 1	NDSS#11 @ 30s			12/5/2016		Water	T			П		T						x		1			14-19-19-19-19-19-19-19-19-19-19-19-19-19-
7	NDSS#13 @ 30s			12/5/2016		Water				\Box	T	T		T			1	x	\top	1			
8 1	NDSS#29 @ 30s			12/5/2016		Water			4	П		7	+			1	7	x	77	1			
9 1	NDSS#30 @ 30s			12/5/2016		Water	\vdash			\Box	\top	Ť	\top	T		\dashv	1	x	\top	1			
10	NDSS#31 @ 30s			12/5/2016		Water				\vdash	1	+	+			1	-	x	+	1	55		
83	BY: (Signature/Print)	DATE: (YYYY		TIME: (HH:	MM)		IVED	BY: (S	ignat	ure/P	rint)		Di	ATE: (Y	/YYY/	MM/D	_	20),	: (HH:MN	785/	21650	MAXXAN	I JOB #
/_		206/1	160	11506		1/11	ı Vo	10	2 1	thu	00	/	1	۸۱۱-	112	111		11	1:3				
A STATE OF THE REAL PROPERTY.		2000 11	-107	u >- c	MI	LIM	ŲΚ	1	1	LVU	XX	_	1	110	1110	14	4		- 6				



CHAIN OF CUSTODY PECONOMISM 08434223

B6B3648 COC

BBY FCD-00077/05

Burnaby: 4606 Canada Way, Burnaby, BC VSG 1KS. Toll Free (800) 665-8566 Page 8 of 8 Project Information (when --- rurnaround Time (TAT) Required Invoice Information Report Information (if differs from invoice) Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas / Mike Gallo P.O. #/ AFE#: Contact Name: Contact Name: Rush TAT (Surcharges will be applied) ENW.VENW03011-01 #1 - 4376 Boban Drive, Nanaimo Address: Project #: Address: ☐ Same Day 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: Site #: Sampled By: Darren Thomas Email: darren.thomas@tetratech.com mike.gallo@tetratech.com Date Required: Special Instructions Rush Confirmation #: **Regulatory Criteria Analysis Requested** LABORATORY USE ONLY ☐ BC CSR Water BC CSR Soil Return Cooler CUSTODY SEAL Y //N/ COOLER **TEMPERATURES** Other (Specify) CCME (Specify) ☐ Ship Sample Bottles (Please Specify) uun BC Water Quality ☑ Drinking Water SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM Date Sampled Sample Identification (YYYY/MM/DD) COMMENTS Identification (HH-MM) NDSS#35 @ 30s 1 12/5/2016 Water 1 DAC#1@30s 12/5/2016 Water 3 RBCH#1 @ 30s 12/5/2016 1 Water 1 RBCH#2 @ 30s 12/5/2016 Water 1 RBCH#3 @ 30s 12/5/2016 Water RBCH#4 @ 30s 12/5/2016 1 Water RBCH#5 @ 30s 12/5/2016 Water Water Water 10 Water DATE: (YYYY/MM/DD) TIME: (HH:MM Mad / RECEIVED BY: (Signature/Print) MAYYAM IOR # RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) 11:00 **BARATRATE**



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Attention: Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Your C.O.C. #: 08434230, 08434229, 08434228, 08434227, 08434226, 08434225, 08434224, 08434223

Report Date: 2017/01/06 Report #: R2328062

Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

MAXXAM JOB #: B6B3648 Received: 2016/12/20, 14:30

Sample Matrix: DRINKING WATER

Samples Received: 77

		Date	Date		
Analyses	Quantity	Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	33	N/A	2016/12/23	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	40	N/A	2016/12/24	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	3	N/A	2017/01/05	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	1	N/A	2017/01/06	BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Your C.O.C. #: 08434230, 08434229, 08434228, 08434227, 08434226, 08434225, 08434224, 08434223

Report Date: 2017/01/06

Report #: R2328062 Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

MAXXAM JOB #: B6B3648 Received: 2016/12/20, 14:30

Encryption Key

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QH5909	QH5910	QH5911	QH5912		QH5913	QH5914		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19		2016/12/19	2016/12/19		
COC Number			08434230	08434230	08434230	08434230		08434230	08434230		
	UNITS	MAC	LIS#1 @	LIS#2 @	LIS#3 @	LIS#4@	QC Batch	LIS#5 @	LIS#6 @	BDI	QC Batch
	ONTI	IVIAC	0S	0S	0S	OS	QC Datcii	0S	0S	NDL	QC Datcii
Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	5.90	24.1	70.4	4.59	8511031	7.51	5.48	0.20	8511035
No Fill	No Exceed	dance									
Grey	Exceeds 1	criteri	a policy/level								
Black	Exceeds b	oth cri	teria/levels								
RDL = Reportable Detecti	on Limit										

Maxxam ID			QH5915	QH5916	QH5917	QH5918	QH5919	QH5920		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434230	08434230	08434230	08434230	08434229	08434229		
	LINITS	MAC	LIS#7 @	LIS#8 @	LIS#9 @	LIS#10 @	LIS#11 @	LIS#12 @	BDI	QC Batch
	ONTI	IVIAC	OS	5MIN	0S	0S	0S	0S	NDL	QC Datcii
Total Metals by ICPMS	i									
Total Lead (Pb)	ug/L	10	17.7	3.78	8.23	12.1	7.59	59.6	0.20	8511035
No Fill	No Exceed	lance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds b	oth crit	eria/levels							
RDL = Reportable Dete	ction Limit									

				T		T				
Maxxam ID			QH5921	QH5922	QH5923	QH5924	QH5925	QH5926		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434229	08434229	08434229	08434229	08434229	08434229		
	UNITS	MAC	LIS#13 @ OS	LIS#14 @ OS	LIS#15 @ OS	LIS#16 @ OS	LIS#17 @ OS	LIS#18 @ OS	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	43.0	60.3	330	78.8	65.5	48.5	0.20	8511035
No Fill	No Exceed	ance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds bo	th crite	eria/levels							
RDL = Reportable Dete	ction Limit									



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QH5927	QH5928	QH5931	QH5932	QH5933	QH5934		
Sampling Date				2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number				08434229	08434229	08434228	08434228	08434228	08434228		
		UNITS	MAC	LIS#19 @ OS	LIS#20 @ OS	LPS#1 @ OS	LPS#2 @ OS	LPS#3 @ OS	LPS#4 @ OS	RDL	QC Batch
Total Metals by ICPM	15										
Total Lead (Pb)		ug/L	10	49.7	47.3	9.59	6.75	5.02	40.6	0.20	8511035
No Fill	No E	xceeda	nce	•	•	•	•		•		
Grey	Exce	eds 1 c	riteria	policy/level							
Black	Exce	eds bo	th crite	eria/levels							
RDL = Reportable Det	ection Li	imit									



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QH5935	QH5936	QH5937	QH5938	QH5939	QH5940		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434228	08434228	08434228	08434228	08434228	08434228		
	UNIT	МАС	LPS#4 @ 5MIN	LPS#5 @ 0S	LPS#6 @ OS	LPS#7 @ OS	LPS#8 @ OS	LPS#9 @ OS	RDL	QC Batch
Total Metals by ICPMS	•		•		•			•	•	
Total Lead (Pb)	ug/L	10	1.78	5.68	16.4	24.3	5.24	39.8	0.20	8511036
No Fill	No Excee	dance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds b	oth crit	eria/levels							
RDL = Reportable Detec	tion Limit									

Maxxam ID			QH5942	QH5943	QH5944	QH5945	QH5946	QH5947		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434227	08434227	08434227	08434227	08434227	08434227		
	UNITS	МАС	LPS#10 @	LPS#11 @	LPS#12 @	LPS#13 @	LPS#14 @	LPS#15 @	RDL	QC Batch
	0.4.13	IVIAC	0S	0S	0S	0S	0S	0S	NDL	QC Batti
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	8.06	125	2.91	10.8	21.2	22.7	0.20	8511036
No Fill	No Exceed	ance								
Grey	Exceeds 1	criteria	a policy/level							
Black	Exceeds bo	oth crit	eria/levels							
RDL = Reportable Detect	ion Limit									

Maxxam ID			QH5948	QH5949	QH5950	QH5951	QH5953	QH5954			
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19			
COC Number			08434227	08434227	08434227	08434227	08434226	08434226			
	UNITS	MAC	LPS#16 @ OS	LPS#17 @ 0S	LPS#18 @ OS	CMD#1 @ 0S	CMD#1 @ 5MIN	CMD#2 @ 0S	RDL	QC Batch	
Total Metals by ICPMS	·		*	•	•	<u> </u>		•	•		
Total Lead (Pb)	ug/L	10	29.6	6.49	17.1	4.69	0.88	27.2	0.20	8511036	
No Fill	No Excee	No Exceedance									
Grey	Exceeds 1	Exceeds 1 criteria policy/level									
Black	Exceeds b	Exceeds both criteria/levels									

RDL = Reportable Detection Limit



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QH5955	QH5956		QH5957		QH5958		
Sampling Date			2016/12/19	2016/12/19		2016/12/19		2016/12/19		
COC Number			08434226	08434226		08434226		08434226		
	UNIT	МАС	CMD#3 @ 0S	CMD#4 @ 0S	QC Batch	NOES#1 @ OS	QC Batch	NOES#2 @ OS	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	10.6	33.4	8511036	12.3	8511137	25.2	0.20	8520802
No Fill	No Exceed	ance	•		•		-			
Grey	Exceeds 1	criteria	policy/level							
Black Exceeds both criteria/levels										
RDL = Reportable Detec	tion Limit									



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QH5959	QH5960	QH5961	QH5962	QH5980		
Sampling Date				2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number				08434226	08434226	08434226	08434226	08434225		
	UI	NITS	МАС	NOES#3 @ OS	NOES#4 @ OS	NOES#5 @ OS	NOES#6 @ OS	NOES#7 @ OS	RDL	QC Batch
Total Metals by ICPMS	S		!						ļ	
Total Lead (Pb)	u	ug/L	10	22.6	23.9	23.6	3.22	24.7	0.20	8511137
No Fill	No Exce	eedan	ice							
Grey	Exceeds	ls 1 cri	iteria p	oolicy/level						
Black	Exceeds	ls both	n crite	ria/levels						
RDL = Reportable Dete	ction Limi	it								

Maxxam ID			QH5981	QH5982		QH5983		QH5984		
IVIAXXAIII ID						<u>-</u>				
Sampling Date			2016/12/19	2016/12/19		2016/12/19		2016/12/19		
COC Number			08434225	08434225		08434225		08434225		
			NOES#8@	NOES#9@		NOES#10@	222	NOES#11 @		000.1
	UNITS	MAC	OS	os	QC Batch	0S	QC Batch	0S	RDL	QC Batch
Total Metals by ICPMS	·		•	<u> </u>						
Total Lead (Pb)	ug/L	10	24.8	29.4	8520802	13.5	8511137	37.6	0.20	8520802
No Fill	No Exceed	ance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds bo	th crit	eria/levels							
RDL = Reportable Detect	tion Limit									

Maxxam ID			QH5985	QH5986	QH5987	QH5988	QH5989		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434225	08434225	08434225	08434225	08434225		
	UNITS	MAC	NOES#12 @ 0S	NOES#13 @ 0S	NOES#14 @ 0S	NOES#15 @ OS	NOES#16 @ 0S	RDL	QC Batch
Total Metals by ICPMS	·				•	-	•		•
Total Lead (Pb)	ug/L	10	71.0	30.7	14.9	27.2	3.46	0.20	8511137
No Fill	No Exceeda	ance							
Grey	Exceeds 1	riteria	policy/level						
Black	Exceeds bo	th crite	eria/levels						
RDL = Reportable Detec	tion Limit								



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID										
COC Number 08434224	Maxxam ID			QH5990	QH5991	QH5992	QH5993	QH5994		
UNITS MAC NOES#17 @ NOES#18 @ NOES#19 @ NOES#20 @ SMIN RDL QC E	Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
OS	COC Number			08434224	08434224	08434224	08434224	08434224		
Total Lead (Pb) ug/L 10 33.3 30.5 47.9 9.16 0.27 0.20 8512		UNITS	MAC	_	_			_	RDL	QC Batch
No Fill No Exceedance Grey Exceeds 1 criteria policy/level Exceeds both criteria/levels	Total Metals by ICPMS									
Grey Exceeds 1 criteria policy/level Exceeds both criteria/levels	Total Lead (Pb)	ug/L	10	33.3	30.5	47.9	9.16	0.27	0.20	8511137
Black Exceeds both criteria/levels	No Fill	No Exceed	lance		•	•	•	•		•
· · · · · · · · · · · · · · · · · · ·	Grey	Exceeds 1	criteria	policy/level						
RDL = Reportable Detection Limit	Black	Exceeds b	oth crit	eria/levels						
	RDL = Reportable Detect	tion Limit								



RDL = Reportable Detection Limit

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QH5995	QH5996	QH5997		QH5998		
Sampling Date			2016/12/05	2016/12/05	2016/12/05		2016/12/05		
COC Number			08434224	08434224	08434224		08434224		
	UNITS	МАС	NDSS#11 @ 30S	NDSS#13 @ 30S	NDSS#29 @ 30S	QC Batch	NDSS#30 @ 30S	RDL	QC Batch
Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	8.71	4.78	3.60	8511137	7.66	0.20	8511138
No Fill	No Exceeda	ance							
Grey	Exceeds 1	criteria	policy/level						
Black	Exceeds bo	th crite	eria/levels						
RDL = Reportable Dete	ction Limit								

Mayyam ID			OUEDOD	OHEOOO	0116001	OHEOO3	OHEOOS	0116004		
Maxxam ID			QH5999	QH6000	QH6001	QH6002	QH6003	QH6004		
Sampling Date			2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05	2016/12/05		
COC Number			08434224	08434223	08434223	08434223	08434223	08434223		
	UNITS	MAC	NDSS#31 @ 30S	NDSS@35 @ 30S	DAC#1 @ 30S	RBCH#1 30S	RBCH#2 30S	RBCH#3 30S	RDL	QC Batch
Total Metals by ICPMS										
Total Metals by ICPMS Total Lead (Pb)	ug/L	10	2.67	29.4	1.94	0.40	8.00	8.23	0.20	8511138
	ug/L No Excee		2.67	29.4	1.94	0.40	8.00	8.23	0.20	8511138
Total Lead (Pb)	No Excee	dance	2.67 a policy/level	29.4	1.94	0.40	8.00	8.23	0.20	8511138

Maxxam ID				QH6005	QH6006		
Sampling Date	:			2016/12/05	2016/12/05		
COC Number				08434223	08434223		
		UNITS	MAC	RBCH#4 30S	RBCH#5 30S	RDL	QC Batch
Total Metals b	y ICPMS						
Total Lead (Pb))	ug/L	10	0.55	1.09	0.20	8511138
No Fill	No Exceedan	ce	•				
Grey	Exceeds 1 cri	teria po	licy/le	vel			
Black	Exceeds both	riteria	a/level	S			
RDL = Reportal							



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.3°C
Package 2	6.0°C

Version 2: Report reissued to include results for total lead on samples NOES#2 @ 0s, NOES#8 @ 0s, NOES#9 @ 0s and NOES#11 @ 0s as per Darren Thomas on 2017/01/03.

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPI)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8511031	Total Lead (Pb)	2016/12/23	94	80 - 120	97	80 - 120	<0.20	ug/L	2.7	20
8511035	Total Lead (Pb)	2016/12/24	NC	80 - 120	98	80 - 120	<0.20	ug/L	1.0	20
8511036	Total Lead (Pb)	2016/12/24	96	80 - 120	97	80 - 120	<0.20	ug/L	3.1	20
8511137	Total Lead (Pb)	2016/12/23	NC	80 - 120	97	80 - 120	<0.20	ug/L	1.2	20
8511138	Total Lead (Pb)	2016/12/23	NC	80 - 120	96	80 - 120	<0.20	ug/L	0.49	20
8520802	Total Lead (Pb)	2017/01/05	NC	80 - 120	98	80 - 120	<0.20	ug/L	1.6	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

Rob Reinert, B.Sc., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



08434230

BBY FCD-00077/05 Page 1 of 8

	Invoice Information		Report Info	ormation (if	differs fr	om ir	voice)		T		Pro	ject lı	nform	ation	(whe		uner"		1"	Turnaround Time	(TAT) Required	
Company Name:	Tetra Tech EBA	Com	pany Name:							Q	uotatio	n #1						ANITY.		Regular TAT 5 days (Most enally			
Contact Name:	Darren Thomas / Mike Gallo	Cont	act Name:							p	O. #/ A	FE#:								P	LEASE PROVIDE ADVANCE N	OTICE FOR RUSH PROJE	
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	ress:			N.				P	oject #		ENV	V.VEN	W030	11-01					Rush TAT (Surcharg	es will be applied)	
	BC PC: V9T 6A7				X 1	PC:				Si	te Loca	tion:	Scho	ol Dis	trict (8					☐ Same Day	☐ 2 Days	
Phone: 250-756-	2256 / 250-713-9178	Phor	ne:						a,819)	Si	te #:								1.6		☐ 1 Day	☐ 3 Days	
Email: darren	.thomas@tetratech.com	Ema	ii: <u>mike.qallo</u>	@tetrate	ch.con	<u>n</u>				Sa	mpled	Ву:	Darr	en Th	omas		FOL!	Ada ye		Di	ate Required:	推示。但是是	
	Regulatory Criteria		Special Ir	nstructions				111			Α	nalys	is Rec	ueste	d					Ri	ush Confirmation #:		
									L											LABORATORY USE ONLY			
BC CSR Soil	☐ BC CSR Water		Return C	ooler		н		_ [Chount				QC	Ą	<u>,0</u>				CUSTOPTSEAL			
						VOC/VPH		7	F4	0		1	ulphate	0	Alkalini	mmon					Y/(N)	COOLER TEMPERATURES	
CCME (Specif	(Specify Dther (Specify	1)		iple Bottles		^		/HEP!	-		perved	erved	N.	Ш		_			١.		Present Intact	TEIVIPERATORES	
			(Please S	респу			Ē	LEPH		Elltorod	Field Pres	Field Pre	Γ.	800	ilvity				МПТВ		# TUAL	445	
Drinking Wat	er 🔃 BC Water Qua	lity			-	MTBE	96		BTEX/F1	1	2	虚	fuoride		onduct	Nitrate			SSUR		IA WARNA	666	
SAMPLES M	UST BE KEPT COOL (< 10 °C) FROM TIN	ME DE SAMPI	ING LINTIL DELIVER	V TO MAYYA	M M			as I		, des	ورا	λ'n		TDS					CONTAINERS SURMITTED		NOT.		
	mple identification	Lab dentification	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	Matrix	втех/урн		□ Hw	CCME-PHC	Discound Ma	Total Metals	fotal Mercury	Chloride	D 82	П н	Vibrite	EAD		TOFCONT		COOLING MEDIA PRESE	MENTS / N	
1	LIS#1 @ 0s		12/19/2016		Water					T							х		1				
2	LIS#2 @ Os		12/19/2016		Water												х		1			1	
3	LIS#3 @ Os		12/19/2016	- 5	Water		-			T							x		1		18		
4	LIS#4 @ 0s		12/19/2016	ie.	Water		NO.										х	П	1				
5	LIS#5 @ Os		12/19/2016		Water		П	\neg		T							х	\sqcap	1				
6	LIS#6 @ 0s		12/19/2016		Water			T		T					10		x	\top	1	100			
7	LIS#7 @ 0s		12/19/2016		Water			\top	\top	1							х	\top	1				
8	LIS#8 @ 5min		12/19/2016		Water										7		x	\top	1	-	10		
9	LIS#9 @ 0s		12/19/2016		Water						-					T	х		1	900			
10	LIS#10 @ 0s		12/19/2016		Water												х		1				
RELINQUISHED	D BY: (Signature/Print) DATE: (YYYY/MM/D	D) TIME: (HH:M		100000	VED	BY: (Si	gnatu	re/Prir	t)	_	DA	TE: (Y	YYY/	MM/I	OD)	TIMI	: (HH:MN	1)		MAXXAM I	DR.#	
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BBY FCD-00077/05

Page 2 of 8	
Time (TAT) Required	
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	Invoice Information		Report Inf	formation (if o	differs fr	om in	voice)					Proj	ect In	forma		where	արթու	anie)""	******	ſ		TAT) Required	
Company Name:	Tetra Tech EBA	Com	pany Name:							Que	otatio	n#:			111						Regular TAT 5 d	lays (Most analyses)	
Contact Name:	Darren Thomas / Mike Gallo	Cont	act Name:							P.0	#/ Al	E#:								PLEA	ASE PROVIDE ADVANCE NO	TICE FOR RUSH PROJECT	
Address:	#1 - 4376 Boban Drive, Nanaimo	Addr	ress:							Pro	ject #:		ENW	VENV	/0301	1-01	22				Rush TAT (Surcharges	will be applied)	
	BC PC: V9T 6A7					PC:				Site	Locat	ion:	School	ol Dist	rict 68						☐ Same Day	☐ 2 Days	
Phone: 250-756-	2256 / 250-713-9178	Phor	ne:				28			Site	#1										☐ 1 Day	☐ 3 Days	
Email: darren	.thomas@tetratech.com	Ema	ii: <u>mike.gall</u>	o@tetrated	ch.con	0		H		San	pled	Ву:	Darre	n Tho	mas					Date	Required:		
	Regulatory Criteria		Special I	nstructions						_	Ar	nalysi	s Requ	uested						Rush	h Confirmation #:		
						0		T								1					LABORATO	RY USE ONLY	
BC CSR Soil	BC CSR Water		Return C	Cooler				C	l sed	ved?				a					CUSTODY SEAL				
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Sa	imple Identification	Lab entification	Date Sampled (YYYY/MM/DD)		Matrix	втех/урн	наз	D HW	Dissolv	Dissolv	Total M	Total Me	Chlorid	TSS [#	Nitrite	EAD		# OF CONTAINERS SUBMITTED	HOLD.		MENTS	
1	LIS#11 @ 0s		12/19/2016	,	Water												×	П	1				
2	LIS#12 @ 0s		12/19/2016	1	Water											13	x		1		Mark Control		
3	LIS#13 @ 0s		12/19/2016	1	Water												x		1				
4	LIS#14 @ 0s		12/19/2016	1	Water										1		×	\Box	1				
5	LIS#15 @ 0s		12/19/2016		Water					T					1		x		1				
6	LIS#16 @ 0s		12/19/2016	1	Water										1		×		1	4			
7	LIS#17 @ 0s		12/19/2016	1	Water												x		1				
8	LIS#18 @ 0s		12/19/2016	,	Water												×		1				
9	LIS#19 @ 0s		12/19/2016	1	Water					T		la l					x		1				
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BBY FCD-00077/05

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Company Name:	Tetra Tech EBA	Com	npany Name:							Qu	otatio	m #:						28/4	Yi.		Regular TAT 5 days (Most	analyses)
Contact Name:	Darren Thomas / Mike Gallo	Con	tact Name:							P.0). #/ A	FE#:								PLE	ASE PROVIDE ADVANCE NOTICE FOR R	USH PROJECTS
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	Iress:		53					Pro	ject#		ENV	/.VENV	V0301	1-01	ŽĒ.				Rush TAT (Surcharges will be a	pplied)
	BC PC: V9T 6A7			3 × 1.6 %	P	C:		147		Site	e Loca	tion:	Scho	ol Dist	rict 68	ï		III/W	37		☐ Same Day ☐	2 Days
Phone: 250-756-	2256 / 250-713-9178	Pho	ne:					316		Site	e #:						9				☐ 1 Day ☐	3 Days
Email: darren	.thomas@tetratech.com	Ema	nit: <u>mike.gallo</u>	@tetratech.	com				3	San	mpled	Ву:	Darr	en Tho	mas			200		Date	e Required:	
	Regulatory Criteria		Special Ir	nstructions	T						Α	nalys	is Rec	ueste	1					Rusi	h Confirmation #:	TP SINGS
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☑ Drinking Wat	er 🕝 BC Water (Quality				U DE		BTEX/ 8	Ē.	N H	E.	FIG	luoride		onduc	Witrate			# OF CONTAINERS SUBMITTED	NOT ANALYZE	WA 101	olo
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2	LPS#2 @ 0s		12/19/2016	Wa	ter												x		1			
3	LPS#3 @ 0s		12/19/2016	Wa	ter												х		1			
4	LPS#4 @ 0s		12/19/2016	Wa	ter												х		1			
5	LPS#4 @ 5min		12/19/2016	Wa	ter											T	x		1			
6	LPS#5 @ 0s		12/19/2016	Wa	ter												x		1			
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8	LPS#7 @ 0s		12/19/2016	Wa		1	1				T			\forall	+	1	x		1			
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08434227

BBY FCD-00077/05

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 Page 4 of 8 Project Information (where applicable) Turnaround Time (TAT) Required Invoice Information Report Information (if differs from invoice) Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas / Mike Gallo Contact Name: Rush TAT (Surcharges will be applied) Address: ENW.VENW03011-01 Address: #1 - 4376 Boban Drive, Nanaimo Same Day ☐ 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 3 Days 1 Day Phone: 250-756-2256 / 250-713-9178 Phone: Site # Email: darren.thomas@tetratech.com mike.gallo@tetratech.com Sampled By: Darren Thomas Email: Date Required: Rush Confirmation #: **Regulatory Criteria Special Instructions Analysis Requested** LABORATORY USE ONLY BC CSR Soil ☐ BC C5R Water Return Cooler CUSTODY SEAL Y //N COOLER **TEMPERATURES** CCME (Specify) ☐ Other (Specify) ☐ Ship Sample Bottles (Please Specify) UUV BC Water Quality ☑ Drinking Water SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM Lab Date Sampled Sample Identification Sampled (YYYY/MM/DD) COMMENTS Identification LPS#10 @ 0s 12/19/2016 1 Water 1 LPS#11 @ 0s 12/19/2016 Water LPS#12 @ 0s 12/19/2016 1 Water 1 LPS#13 @ 0s 12/19/2016 Water 1 LPS#14 @ 0s 12/19/2016 Water LPS#15 @ 0s 12/19/2016 1 Water 1 LPS#16 @ 0s 12/19/2016 Water 1 LPS#17 @ 0s 12/19/2016 Water LPS#18 @ 0s 12/19/2016 1 Water 1 10 CMD#1@0s 12/19/2016 Water AMANYAMA IOD # RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) 11:00

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CHAIN OF CUSTODY RECORD

COC 08434226

Page 5 of 8

	Invoice Information		Report In	formation (if	differs fr	om ir	nvoice)					Projec	t Info	matio	(who		****			f Time (TAT) Required
Company Name:	Tetra Tech EBA	Co	mpany Name:		1016		1078	1	100	Quo	tation	H:		No.		10				Regular TAT 5 days (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Co	ntact Name:							P.O.	#/ AF	E#:							PLEA	SE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS
Address:	#1 - 4376 Boban Drive, Nanaimo	Ad	dress:	North Char	Ser.		S. C	v.658		Proj	ect #:	E	NW.V	NW03	011-01					Rush TAT (Surcharges will be applied)
	BC PC: V9T 6A7					PC:	liev		27.1	Site	Locati	on: Se	chool	District	68					☐ Same Day ☐ 2 Days
Phone: 250-756-	-2256 / 250-713-9178	Ph	one:	B 85 525			isa'	MA.	1	Site	#:				ilos	le al s		i di Ali		☐ 1 Day ☐ 3 Days
Email: darren	thomas@tetratech.com	Em	ait: <u>mike.gall</u>	o@tetrate	ch.con	<u>n</u>		100		Sam	pled E	sy: D	arren	Thoma					Date	Required:
	Regulatory Criteria		Special	Instructions						_	An	alysis f	Reque	sted					Rush	Confirmation #:
		cify) Quality	(Please	nple Bottles Specify)	M Matrix	BTEX/VPH C MTBE C VOC/VPH C		PAH LI LEPH/HEPH LI	Aetals Filtered?	Dissolved Mercury Filtered?	Total Metals Field Preserved?	d Preserved?	Oloride L Fluoride L Sulphate	pH Conductivity Alkalinity	Nitrite 🔲 Nitrate 🔲 Ammonia 🔲	LEAD		# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	CUSTOOV EAL Y (N) COOLER TEMPERATURES Present Intact
1	CMD#1 @ 5min		12/19/2016	1	Water					*11						х		1		
2	CMD#2 @ 0s		12/19/2016		Water		П									х		1		7
3	CMD#3 @ 0s		12/19/2016		Water		44						\top		П	x	\Box	1		
4	CMD#4 @ 0s		12/19/2016	1	Water											x		1		
5	NOES#1 @ 0s		12/19/2016		Water					П			1		П	х		1		
6	NOES#2 @ 0s		12/19/2016		Water								T					1	×	
7	NOES#3 @ 0s		12/19/2016		Water					П						х		1		
8	NOES#4 @ 0s		12/19/2016		Water	7			1					1		x		1		
9	NOES#5 @ 0s		12/19/2016		Water				T				1		\Box	x		1		
10	NOES#6 @ 0s		12/19/2016		Water		\top		+			\top				x		1		
RELINQUISHED	D BY: (Signature/Print) DAT	E: (YYYY/MM/	DD) TIME: (HH:		RECEI	VED I	BY: (Sig	nature	/Print)			DATE	: (YYY	//MM/	DD)	TIM	E: (HH:MM)		ac yet	MAXXAM JOB #
lı_	101	u (n)	19 11:00	М	W	U.	elb	UH	ÚL	<u> </u>		W	16	12/1	0	14	:30			III BUZZ KYCO MAJO MAJO NYSO MAJO BUZ. I



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BBY FCD-00077/05 Page 6 of 8

	Invoice Information		Report Informa	ation (if differs f	rom inv	voice)				Pro	ject In	formati	on (wn	еге арріі	cáble)		Υ	Turnaroun	d Time (1	TAT) Required
Company Name:	Tetra Tech EBA	Con	npany Name:						Quotat	ion#:								☑ Regula	r TAT 5 d	lays (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Con	tact Name:						P.O. #/	AFE#:							PLEA	SE PROVIDE ADV	ANCE NO	TICE FOR RUSH PROJEC
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	ress:	1.5					Project	#t	ENW	.VENW	3011-0	1				Rush TAT (Su	rcharges	s will be applied)
	BC PC: V9T 6A7				PCI		35		Site Lo	ation:	Scho	ol Distri	ct 68					☐ Same D	ay	☐ 2 Days
Phone: 250-756	-2256 / 250-713-9178	Pho	ne:						Site #:									☐ 1 Day		☐ 3 Days
Email: darren	thomas@tetratech.com	Ema	iii: <u>mike.gallo@t</u>	etratech.cor	n				Sample	d By:	Darri	en Thon	ias .				Date	Required:	1	
	Regulatory Criteria		Special Instru	ctions						Analys	is Req	uested					Rush	Confirmation i	H:	referencial
		cify) Juality TIME OF SAMP Lab	Date Sampled Sam	Sottles (v)	втехуурн 🗆 мтве 🔲 косуурн 🗇	# [TEH [E-PHC THEX/FI	solved Metals Filtered?	Ssolved Mercury Filtered? Preserved?	rcury	loride 🔲 Fluoride 🔲 Sulphate		rite	o		F CONTAINERS SUBMITTED	COULING MEDIA PRESENT Y COMMENTS COMMENTS			
	NOES#7 @ 0s	Identification		MM)	BTE	Hel	8 8	Dis	5	Tot	8	251	2	LEAD		1	오		COMN	MENTS
1	Was addition albein		2002034102000	Water	\vdash	+	+	Н	+	+	-		+	×	++-	350,00		- 15		
2	NOES#8 @ Os	-	12/19/2016	Water	H	+	+	Н	+	+		-	+	-	+	1	X			
3	NOES#9 @ Os		12/19/2016	Water	H	+		Н	+	+	Н		+		++	1	X	-		
4	NOES#10 @ 0s		12/19/2016	Water	H	+	+	Н	_	+	\vdash	-	+	×	-	1	100			
5	NOES#11 @ 0s		12/19/2016	Water	Ш	_		Ш	_	4			_			1	Х			
6	NOES#12 @ 0s		12/19/2016	Water										х		1				
7	NOES#13 @ 0s		12/19/2016	Water							1			x		1				
8	NOES#14 @ 0s		12/19/2016	Water										x		1		13	in.	
9	NOES#15 @ 0s		12/19/2016	Water										x		1				
10	NOES#16 @ 0s		12/19/2016	Water										х		1	100			
RELINQUISHE	D BY: (Signature/Print) DAT	E: (YYYY/MM/I	DD) TIME: (HH:MM)	RECE	IVED B	Y: (Sign	nature/	Print)		DA	TE: (Y	YYY/MI	A/DD)	TIME:	(HH:MM)		-	ARAN		
	_ Zok	5/1z(19 11:00	AM lau	W.	1	X/	Hi	ex	H	WI	e 17	(20)	14	:30		1			

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BBY FCD-00077/05

	Invoice Information			Report Ir	formation (if differs f	rom ir	nvoic	e)		\Box		Pro	ject l	nform	ation (wher	copp	······································		1	d Tir	ne (TAT) Required
ompany Name:	Tetra Tech EBA		Compan	y Name:	Salari S					833		Quota	tion#:			T.V.						Regular TA	T 5 days (Most analyses)
ntact Name:	Darren Thomas / Mike 0	Sallo	Contact	Name:								P.O. #/	AFE#:								PL	LEASE PROVIDE ADVANC	NOTICE FOR RUSH PROJE
ddress:	#1 - 4376 Boban Drive, I	Nanaimo	Address	1	10.4	l'est				Days		Projec	t#:	ENV	V.VEN	W0301	1-01		Igas			Rush TAT (Surcha	rges will be applied)
	BC PC: V	/9T 6A7					PC:					Site Lo	cation:	Scho	ool Dis	trict 68	3					☐ Same Day	☐ 2 Days
hone: 250-756-2	256 / 250-713-9178		Phone:		William.	uioni		8.3		27.07		Site #:			384		28		iksi.	TWE!		☐ 1 Day	☐ 3 Days
mail: darren.t	thomas@tetratech	n.com	Email:	mike.gal	lo@tetrat	tech.co	m					Sampl	ed By:	Dan	ren Th	omas			1406		Da	ate Required:	
	Regulatory Criteria			Special	Instructions	5	\Box	_					Analy	sis Rec	queste	d					Ru	ush Confirmation #:	
								100				0 0][LABORA	TORY USE ONLY
BC CSR Soil	8	C CSR Water		Return	Cooler		,		100		rved?	wed?			00	,	9					CUSTOD SEA	ı I
							VOC/VPH			¥	Prese	Prese		phate	ö	kafinit	ттоп					Y //(N)	COOLER
CCME (Specify)) 🗆 c	Other (Specify)			mple Bottle		>	P	ерн/нерн] 12		ן כ	panua	S		×	4					Present Intact	
	<u> </u>			(Please	Specify)			ĬĮ.	LEPH		ered?	ered?	d Pres	Г	800	vity	7			DE CONTRACTOR		# MA	1440
2 Drinking Water	r 🗵 🗷	C Water Quality					TBE		V.	BTDV E	#	Filter	1 10	portide		enducti	Itrate			SUBN	NAN VZ	IAI IAI	101010
							2				etals	ercury	2	<u></u>	SOT	3	2			INERS	A TO	MT MT	Miles
SAMPLES MU	IST BE KEPT COOL (< 10 °	C) FROM TIME OF	THE REAL PROPERTY.	Date Sampled	RY TO MAXX	MA	NPH L			CME-PHC	ved Met	M pan	Merca	8						OF CONTAINERS SUBMITTED	OUD DO NOT ANALYZE	COOLING MEDIA PRI	SENT (Y)/ N
Sam	nple Identification	Identif		YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех/урн	Н	РАН	CCME	Dissol	Disso	Total	Chlori	TSS	H	Nitrite	LEAD		II OF	2	O C	OMMENTS
1	NOES#17 @ 0s			12/19/2016		Water) 									x		1		ŝŝ	
2	NOES#18 @ 0s			12/19/2016		Water												x		1			
3	NOES#19 @ 0s			12/19/2016		Water												х		1			
4	NOES#20 @ 0s			12/19/2016		Water												x		1			
5 N	IOES#20 @ 5min		1	12/19/2016		Water				П								x		1			
6 1	NDSS#11 @ 30s			12/5/2016		Water	T			П		T						x		1			14-20
7	NDSS#13 @ 30s			12/5/2016		Water				\Box	T	T		T			1	x	\top	1			
8 1	NDSS#29 @ 30s			12/5/2016		Water			-	П		7	+			1	7	x	77	1			
9 1	NDSS#30 @ 30s			12/5/2016		Water	\vdash			\Box	\top	Ť	\top	T		\dashv	1	x	\top	1			
10	NDSS#31 @ 30s			12/5/2016		Water				\vdash	1	+	+			1	-	x	+	1	55		
83	BY: (Signature/Print)	DATE: (YYYY		TIME: (HH:	MM)		IVED	BY: (S	ignat	ure/P	rint)		Di	ATE: (Y	/YYY/	MM/D	_	20),	: (HH:MN	785/	21650	MAXXAN	I JOB #
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A STATE OF THE REAL PROPERTY.		2000 11	-107	u >- c	MI	LIM	ŲΚ	1	1	LVU	XX	_	1	110	1110	14	4		- 6				



CHAIN OF CUSTODY PECONOMISM 08434223

B6B3648 COC

BBY FCD-00077/05

Burnaby: 4606 Canada Way, Burnaby, BC VSG 1KS. Toll Free (800) 665-8566 Page 8 of 8 Project Information (when --- rurnaround Time (TAT) Required Invoice Information Report Information (if differs from invoice) Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas / Mike Gallo P.O. #/ AFE#: Contact Name: Contact Name: Rush TAT (Surcharges will be applied) ENW.VENW03011-01 #1 - 4376 Boban Drive, Nanaimo Address: Project #: Address: ☐ Same Day 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: Site #: Sampled By: Darren Thomas Email: darren.thomas@tetratech.com mike.gallo@tetratech.com Date Required: Special Instructions Rush Confirmation #: **Regulatory Criteria Analysis Requested** LABORATORY USE ONLY ☐ BC CSR Water BC CSR Soil Return Cooler CUSTODY SEAL Y //N/ COOLER **TEMPERATURES** Other (Specify) CCME (Specify) ☐ Ship Sample Bottles (Please Specify) uun BC Water Quality ☑ Drinking Water SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM Date Sampled Sample Identification (YYYY/MM/DD) COMMENTS Identification (HH-MM) NDSS#35 @ 30s 1 12/5/2016 Water 1 DAC#1@30s 12/5/2016 Water 3 RBCH#1 @ 30s 12/5/2016 1 Water 1 RBCH#2 @ 30s 12/5/2016 Water 1 RBCH#3 @ 30s 12/5/2016 Water RBCH#4 @ 30s 12/5/2016 1 Water RBCH#5 @ 30s 12/5/2016 Water Water Water 10 Water DATE: (YYYY/MM/DD) TIME: (HH:MM Mad / RECEIVED BY: (Signature/Print) MAYYAM IOR # RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) 11:00 **BARATRATE**



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Your C.O.C. #: 08434300, 08434302, 08434301

Attention: Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Report Date: 2016/12/30

Report #: R2325004 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6B4124 Received: 2016/12/22, 08:35

Sample Matrix: DRINKING WATER

Samples Received: 24

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	4	N/A	2016/12/28	BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	20	N/A	2016/12/30) BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager. Letitia Prefontaine, B.Sc., Senior Project Manager

Email: LPrefontaine@maxxam.ca

Phone# (604)639-2616

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QH9254	QH9255	QH9256	QH9258		QH9259	QH9260				
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12		2016/12/12	2016/12/12				
COC Number			08434300	08434300	08434300	08434300		08434300	08434300				
	UNITS	MAC	BV#2 @ 30S	BV#6 @ 30S	BV#12 @ 30S	CR#2 @ 30S	QC Batch	CR#4 @ 30S	CR#6 @ 30S	RDL	QC Batch		
Total Metals by ICPMS													
Total Lead (Pb)	ug/L	10	1.22	0.48	2.57	5.65	8513869	3.08	1.25	0.20	8513955		
No Fill	No Excee	dance											
Grey	Exceeds 1	Exceeds 1 criteria policy/level											
Black	Exceeds I	Exceeds both criteria/levels											
RDL = Reportable Detec	tion Limit												

Maxxam ID			QH9261	QH9262	QH9263	QH9264	QH9265	QH9266			
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12			
COC Number			08434300	08434300	08434300	08434302	08434302	08434302			
	UNITS	MAC	CR#8 @ 30S	CR#9 @ 30S	CR#14 @ 30S	RC#6 @ 30S	RC#7 @ 30S	RC#8 @ 30S	RDL	QC Batch	
Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	2.74	3.73	2.23	5.20	4.17	1.65	0.20	8513955	
No Fill	No Exceedance										
Grey	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels										
RDL = Reportable Detection Limit											

Maxxam ID			QH9267	QH9268	QH9269	QH9270	QH9271	QH9272				
Sampling Date			2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12				
COC Number			08434302	08434302	08434302	08434302	08434302	08434302				
	UNITS	MAC	RC#9 @ 30S	RC#11 @ 30S	RC#13 @ 30S	RC#14 @ 30S	RC#15 @ 30S	PV#2 @ 30S	RDL	QC Batch		
Total Metals by ICPMS	•	•							•			
Total Lead (Pb)	ug/L	10	6.84	4.56	3.16	4.06	1.17	4.49	0.20	8513955		
No Fill	No Exceed	No Exceedance										
Grey	Exceeds 1	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels											
RDL = Reportable Detec	tion Limit											



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QH9273	QH9274	QH9275	QH9276	QH9277	QH9278			
Sampling Date				2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12	2016/12/12			
COC Number				08434302	08434301	08434301	08434301	08434301	08434301			
		UNITS	MAC	PV#4 @ 30S	PV#6 @ 30S	PV#7 @ 30S	PV#8 @ 30S	PV#9 @ 30S	PV#11 @ 30S	RDL	QC Batch	
Total Metals by ICPMS												
Total Lead (Pb)		ug/L	10	7.32	8.74	10.4	5.63	6.02	7.73	0.20	8513955	
No Fill	No	No Exceedance										
Grey	Exc	Exceeds 1 criteria policy/level										
Black	Exc	Exceeds both criteria/levels										
RDL = Reportable Detection Limit												



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

BV#13 @ 30S listed on the CoC but not received. Performed analysis as per client's instructions. Sample not analyzed.

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



Maxxam Job #: B6B4124 Report Date: 2016/12/30

QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPE	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8513869	Total Lead (Pb)	2016/12/28	104	80 - 120	108	80 - 120	<0.20	ug/L	NC	20
8513955	Total Lead (Pb)	2016/12/30	96	80 - 120	102	80 - 120	<0.20	ug/L	0.26	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (one or both samples < 5x RDL).



Maxxam Job #: B6B4124 Report Date: 2016/12/30 TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



CHAIN OF CUSTODY



BBY FCD-00077/05

	Invoice Information		Report Informa	tion (if differs f	rom in	voice)				Project	Inform	nation (v	۸	-ppncaple				Turnaround Time (TAT) Required
Company Name:	Tetra Tech EBA	Com	pany Name:	71.4		-18		Qu	otation	#:	-			Thirtie.	4			Regular TAT 5 c	days (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Cont	tact Name:					P.0	. #/ AF	H:				o a			PLEAS	SE PROVIDE ADVANCE NO	TICE FOR RUSH PROJEC
ddress:	#1 - 4376 Boban Drive, Nanaimo	Add	ress:	4.107.08		-13	us litt	Pro	ject#:	EN	W.VEN	W0301	1-01				3	Rush TAT (Surcharge:	s will be applied)
	BC PC: V9T 6A7	1.64		We and	PC:			Site	Locati	on: Sci	hool Di	strict 68		W/1-72=	= 37	33		☐ Same Day	☐ 2 Days
hone: 250-75	6-2256 / 250-713-9178	Pho	ne:		-	-61	4/5	Sito	#:	1	(See		-	eVep e	oct.	11		☐ 1 Day	☐ 3 Days
mail: <u>darre</u>	n.thomas@tetratech.com	Ema	ii: mike.gallo@t	etratech.com	n	-44		Sar	npled B	y: Da	irren Th	nomas		250g G			Date	Required:	
	Regulatory Criteria		Special Instru	ctions					Ani	alysis R	equest	ed	t .				Rush	Confirmation #:	
	cify) Other (Speci	fy) sality	Date Sampled Sam	iottles y)	втехуурн □ мтве □ voc,vpн □	ерн U тен U	COME-PHC DETEX/FL D P2-FL D	Dissolved Mercury Filtered?	Total Metals Field Preserved?	Total Mercury Field Preserved?	TSS		Nitrite L Nitrate L Ammonia L	וחואר השת		# OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	CUSTODYSEAL Y / N Present Intact U-+ COOLING MEDIA PRESEN	COOLER TEMPERATURES
ı	BV#2 @ 30s		12/12/2016	Water				T			T];	x	1000	1			
2	BV#6 @ 30s		12/12/2016	Water	П									x	Sime	1			
3	BV#12 @ 30s		12/12/2016	Water	П					1				x		1			
1	BV#13 @ 30s		12/12/2016	Water	П		П		П		1		3	x	2000	1			
5	CR#2 @ 30s		12/12/2016	Water	П		\Box		П				1	x	1	1			
6	CR#4 @ 30s		12/12/2016	Water	П				\Box	1		\Box		x	100	1		1	
7	CR#6 @ 30s		12/12/2016	Water	П	\top	\Box		\Box			\Box	1	x		1			
В	CR#8 @ 30s		12/12/2016	Water	Н		T		П		\top		1	x		1			
9	CR#9 @ 30s		12/12/2016	Water	Н		1		\forall	+	+	\forall		x	1	1			
10	CR#14 @ 30s		12/12/2016	Water	\vdash		+		\Box		+		1	x		1			
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Company Name:	Tetra Tech EBA	Con	mpany Name:	. 8 6					Quota	ation#		ž.			Y 1	F		Regular TAT 5 days (Most analyses)
Contact Name:	Darren Thomas / Mike Gallo	Con	stact Name:						P.O. #	/ AFE	:						PLE	EASE PROVIDE ADVANCE NOTICE FO	OR RUSH PROJ
Address:	#1 - 4376 Boban Drive, Nanaimo	Add	dress:				PE.		Proje	ct #:	EN	W.VEN	W030	11-01				Rush TAT (Surcharges will I	be applied)
	BC PC: V9T 6A7		SEPTEMBER STREET	20-5	PC:		N.	18.5	Site L	ocatio	ı: Sch	nool Di	strict (58				☐ Same Day ☐	2 Days
Phone: 250-756-	2256 / 250-713-9178	Pho	one:	- 177		119	1		Site#	1		1	100	yil y	H MEELET	89109		☐ 1 Day	3 Days
mail: darren	.thomas@tetratech.com	Ema	mike.gallo@t	etratech.cor	n			8	Samp	led By	Da	rren Th	omas	40	Tel 1	-5-1	Dat	e Required:	100
	Regulatory Criteria		Special Instru	ctions						Anal	ysis Re	equest	ed				Rus	h Confirmation #:	-
BC CSR Soil			Return Cooler Ship Sample Bottles (Please Specify)		O VOC/VPH	-	нан/нен	Itered? Preserved?	Filterad? Preserved?	Field Preserved?	de Sulphate	800 0 000	ctivity Alkalinity	e 🔲 Ammonia 🔲		MITTED	7.E	Present Intact	COOLER MPERATUR
	UST BE KEPT COOL (< 10 °C) FROM T imple identification	ME OF SAME Lab Identification	Date Sampled Sam	MAXXAM me npled Matrix	BTEX/VPH MTBE		C	Dissolved Metals Fi	Dissolved Mercury	Total Metals	Chloride Flu	SOTT C SZT	100 Hz	Nitrite Ni	Total Lead	II OF CONTAINERS SUBMITTED	HOLD - DO NOT ANALYZE	/) / ,
	RC#6 @ 30s		12/12/2016	Water											x	1			
	RC#7 @ 30s		12/12/2016	Water											x	1			
	RC#8 @ 30s		12/12/2016	Water											x	1			
6	RC#9 @ 30s		12/12/2016	Water	П										x	1			
	RC#11 @ 30s		12/12/2016	Water					0.57				1		x	1			
	RC#13 @ 30s		12/12/2016	Water	П	\Box					\top	\top			x	1	I		
,	RC#14 @ 30s		12/12/2016	Water	\vdash	\neg	\top	\top		\top	\top				×	1			
	RC#15 @ 30s		12/12/2016	Water			1		\top	+	1	1			×	1			
)	PV#2 @ 30s		12/12/2016	Water	\vdash	7				+	+				×	1			
0	PV#4 @ 30s		12/12/2016	Water	\vdash	\dashv	+	+	+	+	+	+			x	1			
		(YYYY/MM/	Committee 1		IVED E	Y: (Si	gnatur	e/Print		+	DATE:	(YYYY/	MM/	DD)	TIME: (HH:MN	7,000	No.		
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BBY FCD-00077/05

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 Page 3 of 3 Report Information (if differs from invoice) naround Time (TAT) Required Invoice Information Project Informatic. Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Contact Name: Darren Thomas / Mike Gallo Contact Name: P.O. #/ AFE#: Rush TAT (Surcharges will be applied) #1 - 4376 Boban Drive, Nanaimo Project #: ENW.VENW03011-01 Address: Address: ☐ Same Day ☐ 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day ☐ 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: darren.thomas@tetratech.com mike.gallo@tetratech.com Email: Sampled By: Darren Thomas Date Required: Rush Confirmation #: **Regulatory Criteria** Special Instructions **Analysis Requested** LABORATORY USE ONLY ☐ BC CSR Soil ☐ BC CSR Water Return Cooler CUSTOOY SEAL COOLER **TEMPERATURES** CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Present (Please Specify) OF CONTAINERS SUBMITTED DO NOT ANALYZE ☑ Drinking Water BC Water Quality SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT JY]/ N Lab Date Sampled Sample Identification Sampled Matrix COMMENTS Identificatio (YYYY/MM/DD) PV#6 @ 30s 1 12/12/2016 Water PV#7 @ 30s 12/12/2016 1 Water PV#8 @ 30s 12/12/2016 1 Water 4 1 PV#9 @ 30s 12/12/2016 Water 1 PV#11@30s 12/12/2016 Water 7 10 TIME: (HH:MM) TIME: (HH:MM) DATE: (YYYY/MM/DD) RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) 2016/12/21 15000 B6B4124_COC



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Attention: Darren Thomas

EBA ENGINEERING CONSULTANTS LTD. #1 - 4376 Boban Drive Nanaimo, BC CANADA V9T 6A7

Your C.O.C. #: 08434589, 08434590, 08434591, 08434592, 08434593

Report Date: 2017/01/09

Report #: R2329050 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B700573 Received: 2017/01/04, 08:50

Sample Matrix: DRINKING WATER

Samples Received: 43

		Date	Date		
Analyses	Quantity	/ Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	43	N/A	2017/01/06	6 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager. Letitia Prefontaine, B.Sc., Senior Project Manager

 ${\bf Email: LPrefontaine@maxxam.ca}$

Phone# (604)639-2616

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



EBA ENGINEERING CONSULTANTS LTD.
Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QI8591	QI8592	QI8593	QI8594	QI8595	QI8596					
Sampling Date			2016/12/12	2016/12/13	2016/12/19	2016/12/19	2016/12/19	2016/12/19					
COC Number			08434589	08434589	08434589	08434589	08434589	08434589					
	UNITS	MAC	BV#13 @ 30S	RC#23 @ 30S	LIS #2 @ 30S	LIS #3 @ 30S	LIS #7 @ 30S	LIS #10 @ 30S	RDL	QC Batch			
Total Metals by ICPMS													
Total Lead (Pb)	ug/L	10	1.85	1.68	50.2	25.6	4.55	3.77	0.20	8520836			
No Fill	No Exceed	lance											
Grey	Exceeds 1	criteri	a policy/level										
Black	Black Exceeds both criteria/levels												
RDL = Reportable Detection Limit													

Maxxam ID			QI8597	QI8598	QI8599	Q18600	QI8622	QI8623				
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19				
COC Number			08434589	08434589	08434589	08434589	08434590	08434590				
	UNITS	MAC	LIS #12 @ 30S	LIS #13 @ 30S	LIS #14 @ 30S	LIS #15 @ 30S	LIS #16 @ 30S	LIS #17 @ 30S	RDL	QC Batch		
Total Metals by ICPMS		•										
Total Lead (Pb)	ug/L	10	5.69	12.8	7.42	17.6	63.2	11.5	0.20	8520836		
No Fill	No Excee	dance										
Grey	Grey Exceeds 1 criteria policy/level											
Black	Exceeds I	ooth cr	iteria/levels									
RDL = Reportable Detecti	DL = Reportable Detection Limit											

<u> </u>										
Maxxam ID			QI8624	QI8625	Q18626	QI8627	QI8628	QI8629		
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434590	08434590	08434590	08434590	08434590	08434590		
	UNITS	MAC	LIS #18 @ 30S	LIS #19 @ 30S	LIS #20 @ 30S	LPS#1 @ 30S	LPS#4 @ 30S	LPS#6 @ 30S	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	11.7	7.75	9.47	0.64	8.81	1.98	0.20	8520838
No Fill	No Exceed	dance							•	
Grey	Exceeds 1	criteri	a policy/level							

RDL = Reportable Detection Limit

Exceeds both criteria/levels

Black



EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			Q18630	QI8631	QI8632	QI8633	QI8634	QI8635					
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19					
COC Number			08434590	08434590	08434591	08434591	08434591	08434591					
	UNITS	MAC	LPS#7 @ 30S	LPS#9 @ 30S	LPS#11 @ 30S	LPS#13 @ 30S	LPS#14 @ 30S	LPS#15 @ 30S	RDL	QC Batch			
Total Metals by ICPMS	Total Metals by ICPMS												
Total Lead (Pb)	ug/L	10	3.14	4.34	12.4	1.13	6.03	11.1	0.20	8520838			
No Fill	No Excee	dance	•			-	•		•				
Grey	Exceeds 1	L criter	ia policy/level										
Black	Exceeds b	oth cr	iteria/levels										
RDL = Reportable Detection	DL = Reportable Detection Limit												



EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QI8636	QI8637	QI8638	QI8639	QI8640				
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19				
COC Number			08434591	08434591	08434591	08434591	08434591				
	UNI	гѕ мас	LPS#16 @ 30S	LPS#18 @ 30S	CMD#2 @ 30S	CMD#3 @ 30S	CMD#4 @ 30S	RDL	QC Batch		
Total Metals by ICPM	S										
Total Lead (Pb)	ug,	L 10	6.11	0.67	3.08	2.44	4.41	0.20	8520838		
No Fill	No Excee	dance									
Grey	Exceeds	L criteria	policy/level								
Black	Exceeds	oth crit	eria/levels								
DL = Reportable Detection Limit											

Maxxam ID			QI8641	QI8644	QI8645		QI8646	QI8647			
Sampling Date			2016/12/19	2016/12/19	2016/12/19		2016/12/19	2016/12/19			
COC Number			08434591	08434592	08434592		08434592	08434592			
	UNITS	MAC	NOES#1@	NOES#3 @	NOES#4 @	QC Batch	NOES#5 @	NOES#7 @	BDI	QC Batch	
	UNITS	IVIAC	30S	30S	305	QC Battii	30S	30S	KDL	QC Batti	
Total Metals by ICPMS											
Total Lead (Pb)	ug/L	10	2.80	3.16	2.21	8520838	1.69	2.70	0.20	8520839	
No Fill	No Excee	dance									
Grey	Exceeds 1	L criter	ia policy/level								
Black	Exceeds b	ooth cr	iteria/levels								
DL = Reportable Detection Limit											

Maxxam ID			QI8648	Q18649	QI8650	QI8651	QI8652					
Sampling Date			2016/12/19	2016/12/19	2016/12/19	2016/12/19	2016/12/19					
COC Number			08434592	08434592	08434592	08434592	08434592					
	UNITS	MAC	NOES#10 @ 30S	NOES#12 @ 30S	NOES#13 @ 30S	NOES#14 @ 30S	NOES#15 @ 30S	RDL	QC Batch			
Total Metals by ICPMS		•			•							
Total Lead (Pb)	ug/L	10	1.02	4.63	1.89	1.21	2.26	0.20	8520839			
No Fill	No Exceed	dance										
Grey	Exceeds 1	criteri	a policy/level									
Black	Exceeds b	oth cri	teria/levels									
RDL = Reportable Dete	RDL = Reportable Detection Limit											



EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QI8653	QI8654	QI8655	QI8656					
Sampling Date				2016/12/19	2016/12/19	2016/12/19	2016/12/19					
COC Number				08434592	08434593	08434593	08434593					
		UNITS	MAC	NOES#17 @ 30S	NOES#18 @ 30S	NOES#19 @ 30S	NOES#20 @ 30S	RDL	QC Batch			
Total Metals by ICPI	VIS											
Total Lead (Pb)		ug/L	10	3.84	2.47	3.81	0.33	0.20	8520839			
No Fill	No Ex	ceedan	ce	•								
Grey	Grey Exceeds 1 criteria policy/level											
Black	Excee	ds both	criter	ia/levels								
RDL = Reportable Detection Limit												



EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	7.7°C
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MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPD)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8520836	Total Lead (Pb)	2017/01/06	NC	80 - 120	98	80 - 120	<0.20	ug/L	1.8	20
8520838	Total Lead (Pb)	2017/01/06	NC	80 - 120	97	80 - 120	<0.20	ug/L	2.0	20
8520839	Total Lead (Pb)	2017/01/06	98	80 - 120	98	80 - 120	<0.20	ug/L	5.8	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



EBA ENGINEERING CONSULTANTS LTD. Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Rob Reinert, B.Sc., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



A Burn	eau Veritas Group Compar	Burnaby: 4	1606 Canada Way, Bi	urnaby, BC VSG 1K	S. Toll	Free (8	100) 6	65-85	666						co	:#:					HAM		BBY FCD-00077 Page 1 of 5
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ail: darren.	.thomas@tetratech.co	om Ema	mike.gall	o@tetratech.	om					Samp	oled B	y: D	arren T	homa	s					Date	Required:		
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BC CSR Soil	☐ BC CSR Water ☐ Return Coole			Cooler					ved?	ned?			0	_				1			CUST	DDY SEAL	
						VOC/VPH		Z	Prese	Prese			cc	- tule	nomn					i u		(N)	COOLER
CCME (Specific	v) 🗆 Othe	r (Specify)	☐ Ship Sar	nple Bottles	F	ž 🗆	НДЗН	F2	-		rved?	rved?	2 0] Alka	Ą						Present	Intact	TEMPERATURE
			(Please	Specify)	C) p	назн/назт	Ч	red?	red?	Field Prese	Prese	909	₽			H		TED	100	-		8.7.8
Drinking Wate	er 🕡 BCW	ater Quality					T	12	1 2	Filter	Field	Field Pr		doctiv	Nitrate				UBMI	ANALYZE	_		8,7,8
					A)HQ	MTBE		D BTEX	in in	cury		L	IDS CO	8	2				VERS S	JT AN			Mr. N
SAMPLES MI	UST BE KEPT COOL (< 10 °C)	THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE P		MAXXAM OT Y] =	0		solved Metals	olved Me	etals	(ercun)	1 5	-	P	pes		3	NTAI	DO NOT	COOLING	EDIA PRESE	NT (Y)/ N
Sa	imple Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Sampled Mat (HH:MM)	rix	BTEX/VPH		DCME-PHC	Dissolvi	Dissolv	rotal Metals	Total Men	TSS	I H	Nitrite	fotal Lead		1	# OF CONTAINERS SUBMITTED	HOLD-	COOLING		AMENTS
	BV#13 @ 30s		2016/12/12	Was	er											х			1	1			
	RC#23 @ 30s		2016/12/13	Wa	er											х			1				-
	LIS#2 @ 30s		2016/12/19	War	-		Ť					T		T		x			1				
	LIS#3 @ 30s		2016/12/19	War	er		T			1						х			1	14.5			
	LIS#7 @ 30s		2016/12/19	War	er	\top	T	T				1	7	T		x		7	1	116			
	LIS#10 @ 30s		2016/12/19	Wat		1	T						1			х			1			0,	
	LIS#12 @ 30s		2016/12/19	Wat			1	1				VII.				х			1				
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	eau Veritas Group Company	Burnaby: 46	606 Canada Way, Bi	urnaby, BC V5G	1X5. To	ll Free (800) 6	65-856	6					co	C #:	20	- 11				BBY FCD-00077 Page 2 of 5
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ress:	#1 - 4376 Boban Drive, Nanaimo	Addi	ress:		1				F	roject f	#:	ENW.	VENWO	3011-0	1	M.Fr			Rush TA	T (Surcharg	es will be applied)
	BC PC: V9T 6A7					PC:	10.	1	5	ite Loca	ation:	Schoo	l Distric	t 68					☐ Sai	me Day	☐ 2 Days
e: 250-756-	2256 / 250-713-9178	Phor	ne:	A	Mis.		dq	17.7	5	ite #:				27					☐ 1E	ay	☐ 3 Days
ii: <u>darren</u>	thomas@tetratech.com	Ema	ii: <u>mike.gall</u>	o@tetratec	h.com		4	80.	S	ampled	By:	Darre	Thom	35			94.0	Dat	e Required		
	Regulatory Criteria		Special I	pecial Instructions Analysis Requested							Rus	h Confirma	tion#:								
es value e v								2			LABORAT	ORY USE ONLY									
BC CSR Soil	☐ BC CSR Wa	iter	Return	Cooler			18		rved?	Neg	W-		0			3			cus	TODY SEAL	
					VOC/VPH		2	Prese	Prese		phate	College	namn	3			4	The Part of the Pa	1	COOLER	
CCME (Specif	fy) 🔲 Other (Spe	scify)	☐ Ship Sar	mple Bottles		×	ЕРН/НЕРН	1 12		Lyad?	rved?	Sur	7 7	Am	1			Ha.	Present	Intact	TEMPERATURE
ellowite, at			(Please	Specify)			LEPH/	-	ed?	Prese	Prese		900							Dr. 16.	8,7,8
Orinking Wat	ter U BC Water C	Quality				MTBE	1	BTEX/F1	Filter	Field Field	Field Pr	oride	duct.	rate	1			ALYZE		A STATE	0///8
			alle mantelling			=		1 4	En le	2		윤	3	N E			0.68	2 8	1000	EXI., FIX	Direct Die sein
			AN ARREST MANAGEMENT AND			_	9	F	tals	5	-40		8	Aut.	1 1	146 37		5	2 2 2	estilet in	a set to the second
SAMPLES M	IUST BE KEPT COOL (< 10 °C) FROM		No. of Concession, Name of Street, or other Persons, Name of Street, or ot	Y TO MAXXAM	4				ed Metals	ed Mercu letals	lercury		ŞĒ T		pne			DO NOT ANALYZE	COOLING	MEDIA ODESS	3
	IUST BE KEPT COOL (< 10 °C) FROM ample Identification	TIME OF SAMPL Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled	A Matrix		□ HW	COME-PHC	Jissolved Metals	rissolved Mercu Total Metals	fotal Mercury	Chloride	20	Vitrite	fotal bead			HOLD - DO NOT		MEDIA PRESE	INT VP)/ N
		Lab	Date Sampled	Time Sampled (HH:MM)	Matrix	□ Hd/\)			Dissolved Metals	Dissolved Mercu Total Metals	Total Mercury	Chloride	25 H	Nitrite	× Total Lead						
	ample Identification	Lab	Date Sampled (YYYY/MM/DD)	Time Sampled (HH:MM)	_{Matrix} Vater				Dissolved Metals	Ussolved Mercu Total Metals	Total Mercury	Chloride	25T 19	Netrite	-						
51 h	ample Identification	Lab	Date Sampled (YYYY/MM/DD) 2016/12/19	Time Sampled (HH:MM)	Matrix Vater Vater				Dissolved Metals	Ussaved mercu Total Metals	Total Mercury	Chioride 🗆	201 1 201	Nêtrîte	х						
	ample Identification LIS#16 @ 30s LIS#17 @ 30s	Lab	Date Sampled (YYYY/MM/DD) 2016/12/19 2016/12/19	Time Sampled (HH:MM) V	Matrix Water Water Water				Dissolved Metals	Ussolved mercu Total Metals	Total Mercury	Chloride 🔲	Su	Nèrite 🗆	x						
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STATE OF THE PERSON NAMED IN	LIS#16 @ 30s LIS#17 @ 30s LIS#18 @ 30s LIS#19 @ 30s LIS#20 @ 30s	Lab	Date Sampled [YYYY/MM/DD] 2016/12/19 2016/12/19 2016/12/19 2016/12/19	Time Sampled (HH:MM) V V	Water Vater Vater Vater Vater				Dissolved Metals	Uissalved Mercu Total Metals	Total Mercury	Chloride	2	Nerite	x x x x x						
***	LIS#16 @ 30s LIS#17 @ 30s LIS#18 @ 30s LIS#19 @ 30s LIS#19 @ 30s LIS#20 @ 30s LPS#1 @ 30s	Lab	Date Sampled [YYYY/MM/DD] 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19	Time Sampled (HH:MM) V V V V V	Water Water Water Water Water Water Water				Dissolved Metals	Ussowed Mercu Total Metals	Total Mercury	Chloride 🔲	201 J 281	Nèrite	x x x x x x x						
STATE OF THE PERSON NAMED IN	LIS#16 @ 30s LIS#17 @ 30s LIS#18 @ 30s LIS#19 @ 30s LIS#20 @ 30s LPS#1 @ 30s LPS#4 @ 30s	Lab	Date Sampled [YYYY/MM/DD] 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19	Time Sampled (HH:MM) V V V V	Water Water Water Water Water Water Water Water Water				Dissolved Metals	Ussalved Merca Total Metals	Total Mercury	Chloride	SET SET	Nerite	x x x x x x						
	LIS#16 @ 30s LIS#17 @ 30s LIS#18 @ 30s LIS#19 @ 30s LIS#20 @ 30s LPS#1 @ 30s LPS#4 @ 30s LPS#4 @ 30s	Lab	Date Sampled [YYYY/MM/DD] 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19	Time Sampled (HH:MM) V V V V V V V	Water				Dissolved Metals	Ussolved Mercal	Total Mercury	Chloride	287 - 887	Nitrite	x x x x x x x x x						
***	LIS#16 @ 30s LIS#17 @ 30s LIS#18 @ 30s LIS#19 @ 30s LIS#20 @ 30s LPS#1 @ 30s LPS#4 @ 30s	Lab	Date Sampled [YYYY/MM/DD] 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19 2016/12/19	Time Sampled (HH:MM) V V V V V V V V V V	Water Water Water Water Water Water Water Water Water				Dissolved Metals	Ussouved merca Total Metals	Total Mercury	Chloride	25T 18	Netrite	x x x x x x						

B700573_COC



BBY FCD-00077/05 Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 COC #: Page 3 of 5 08434591 Invoice Information Report Information (if differs from invoice) Project Information (where as e (TAT) Required Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Quotation #: Company Name: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Contact Name: Darren Thomas / Mike Gallo P.O. #/ AFE#: Contact Name: Rush TAT (Surcharges will be applied) Address: #1 - 4376 Boban Drive, Nanaimo Address: Project #: ENW.VENW03011-01 ☐ Same Day ☐ 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: Site #: darren.thomas@tetratech.com mike.gallo@tetratech.com Date Required: Rush Confirmation #: **Regulatory Criteria** Special Instructions **Analysis Requested** LABORATORY USE ONLY BC CSR Soil □ BC CSR Water Return Cooler CUSTODY SEAL COOLER Other (Specify) **TEMPERATURES** CCME (Specify) ☐ Ship Sample Bottles Intact Present (Please Specify) Drinking Water BC Water Quality DO NOT SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT AI / N Date Sampled Sample Identification Sampled Matrix COMMENT Identification (YYYY/MM/DD) 1 LPS#11 @ 30s 2016/12/19 Water LPS#13 @ 30s 2016/12/19 1 Water 1 LPS#14 @ 30s 2016/12/19 Water 1 4 LPS#15 @ 30s 2016/12/19 Water LPS#16 @ 30s 1 2016/12/19 Water 1 LPS#18 @ 30s 2016/12/19 Water 1 CMD#2 @ 30s 2016/12/19 × Water 1 CMD#3 @ 30s 2016/12/19 Water CMD#4 @ 30s 2016/12/19 1 Water 10 NOES#1 @ 30s 2016/12/19 1 Water RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) poy JUVAHNNE 08:50

B700573_COC



	Invoice Information		R	eport Inform	nation (if differs f	rom in	voice)				Projec	t Infor	mation	(whe	re ap		00		4592	(TAT) Required
ompany Name:	Tetra Tech EBA		Company Nam	e:					Qu	otation	1#:				novednik.				Regular TAT	5 days (Most analyses
ontact Name:	Darren Thomas / Mike G	iallo	Contact Name:		3				P,C	.#/ AI	E#:							PLEA	SE PROVIDE ADVANCE N	IOTICE FOR RUSH PRO
ddress:	#1 - 4376 Boban Drive, N	Vanalmo	Address:	1000					Pro	ject #:	E	NW.VE	NW030	11-01					Rush TAT (Surcharg	es will be applied)
	BC PC: V	9T 6A7		_		PC:			Site	Locat	ion: S	chool [District 6	8					☐ Same Day	☐ 2 Days
one: 250-756	2256 / 250-713-9178		Phone:				2		Site	#:	-								☐ 1 Day	☐ 3 Days
all: darren	.thomas@tetratech	.com	Email: <u>mi</u>	ke.gallo@	tetratech.com	n			San	npled	By: D	arren '	Thomas					Date	Required:	
	Regulatory Criteria			Special Instr	uctions					Ar	alysis I	Reque	sted				_	Rush	Confirmation #:	
BC CSR Soil CCME (Special Drinking Wal	ry 🗆 -	C CSR Water Other (Specify) C Water Quality		Return Cool Ship Sample (Please Spec	Bottles	мтве 🛚 мосуурн 🗖	Тен 🗆	BIEX/FI O P.2-FA O	D Preserve	Field Preserved?	Field Preserved?	oride L Sulphate L	ctivity Alkali	Nitrate			SUBMITTED	ANALYZE	CUSTODY SEAL Y N	COOLER TEMPERATUR
-	UST BE KEPT COOL (< 10 °	C) FROM TIME OF SA Lab Identificat	Date Sa ion (YYYY/M	mpled Sa M/DD) (H	O MAXXAM Time Impled Matrix	втех/уен 🗆	EPH	ссме-рис	Dissolved Mercu	Total Metals	Total Mercury	Chleride C		Mitrite	Total Lead		# OF CONTAINERS SUBMITTED	HOLD - DO NOT	COOLING MEDIA PRESI	INT YR
	NOES#3 @ 30s		2016/	2/19	Water				_						x		1			5.
	NOES#4 @ 30s		2016/1	2/19	Water		-		\perp			\perp	Ш		x		1			
	NOES#5 @ 30s		2016/1	2/19	Water				1						x		1			
	NOES#7 @ 30s		2016/1	2/19	Water										x		1			
	NOES#10 @ 30s		2016/	2/19	Water										x		1			
	NOES#12 @ 30s		2016/	2/19	Water										x		1			Y
	NOES#13 @ 30s		2016/1	2/19	Water										×		1			
	NOES#14 @ 30s		2016/1	2/19	Water										×		1			
	NOES#15 @ 30s		2016/	12/19	Water										x		1	21-1		
	NOES#17 @ 30s		2016/1	12/19	Water										x	in a	1			
RELINQUISHE	NQUISHED BY: (Signature/Print) DATE: (YYYY/		M/DD) TIM	AE: (HH:MM)	RECE	IVED I	3Y: (Signa	ture/Pri	nt)		DATE	: (YYY	//MM/I	DD)	TIME: (HH	:MM)	Г		MAXXAM	OR #
1	Zetzlet		68 L	3520	ال فيد	NAt	NVE	p.	9		201	1/8	21/0	Y	08:5	d			III BUZUANENI	



	Invoice Information		06 Canada Way, B	formation (i			_	_	-	_		Proje	ct Info	rmatio	COC						593	10	Page 5 of 5 (TAT) Required
pany Name:	Tetra Tech EBA	Com	pany Name:	normacin (i	· cincian	-	,			1	otation							- }	,0-	. J.		_	days (Most analyses)
			WHEN THE		12.7		E		5.0	7		1	Te		150			40	527	PLEA			OTICE FOR RUSH PROJ
act Name: ess:	Darren Thomas / Mike Gallo #1 - 4376 Boban Drive, Nanaimo	Addr	act Name:		-	-	-	-		10	. #/ AF	-	NIVA/ A/I	ENWOS	011.0								es will be applied)
233.	BC PC: V9T 6A7	Addi	E33;	-		PC:		×	28-		lect #:			District	247.0		100				☐ Sam	CANHUN CONTRACTOR	☐ 2 Days
e: 250-756-2	256 / 250-713-9178	Phon	e:						121	Site		ion.	chour	DISTITUTE	00			(60)			☐ 1 Da	and the second	☐ 3 Days
The Control of the Co	thomas@tetratech.com	Emai	3	lo@tetrate	ech.con	n		T			pled i	By: 1	arren	Thoma	5					Date	Required:		and the second second
-	Regulatory Criteria			Instructions						-	*****	-	Reque				_		=		Confirmat	ion#:	
	envising the property				is any			1					J [J. K				2.7.5	LABORATI	ORY USE ONLY
BC CSR Soil	☐ BC CSR Wa	ter	☐ Return	Cooler					D 8	¿pa										CUSTODY SEAL			mi ose onei
						VOC/VPH		ו⊏	F4	resen			hate o	linity	Ammonia			1		Y //N')			COOLER
CCME (Specify	Other (Spe	cify)	☐ Ship Sar	mple Bottles		Š		Hell	12		Ved?	year	g C	J Alk	Arm				9	R	Present	Intact	TEMPERATURI
			The state of the s	Specify)			HEH	перн/нерн	□ ç	2PI	Preser	Preser						7.8	TED	14			V7.0
Orinking Wate	r Ø BC Water C	luality					F	3	VFE	Filtery	Field Pre	Field	age -	histivit	ate		94		JEMIT	ANALYZE	7 3		0/118
						MTBE			BITEX/	cury			Pluo Pluo	Com	Nitra				ERS SI	T ANA		D.VIES	i site
SAMPLES MU	JST BE KEPT COOL (< 10 °C) FROM	TIME OF SAMPL	ING UNTIL DELIVER	RY TO MAXX	AM .	밓			-PHC L	ad Men	rtals	rouny		-		pe		38	NTAIN	ON OC		Mr.	
San	nple Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех/уен 🗀		НИ	CCME-PHC	Dissolve	Total Metals	Fotal Me	Chloride	8 8	Nitrite	Total Les		1	# OF CONTAINERS SUBMITTED	HOLD - DO NOT	COOLING N	CON	IMENTS / N
	NOES#18 @ 30s		2016/12/19		Water											×			1			777	
	NOES#19 @ 30s		2016/12/19		Water											x	2		1				8
	NOES#20 @ 30s		2016/12/19		Water	\Box							7			х			1				
	8.11						7																
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						H		7		+			+	+									
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Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Attention: Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Your C.O.C. #: 08434691, 08434692, 08434693, 08434694, 08434695

Report Date: 2017/01/13

Report #: R2331819 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B701706 Received: 2017/01/10, 12:20

Sample Matrix: DRINKING WATER

Samples Received: 41

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	39	N/A	2017/01/11	1 BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	2	N/A	2017/01/12	2 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Attention:Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Your C.O.C. #: 08434691, 08434692, 08434693, 08434694, 08434695

Report Date: 2017/01/13

Report #: R2331819 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B701706 Received: 2017/01/10, 12:20

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager. Letitia Prefontaine, B.Sc., Senior Project Manager Email: LPrefontaine@maxxam.ca Phone# (604)639-2616

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

ELEMENTS BY ATOMIC SPECTROSCOPY (DRINKING WATER)

Maxxam ID			QJ3253	QJ3254	QJ3255	QJ3256	QJ3257	QJ3258		
Sampling Date			2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02		
COC Number			08434691	08434691	08434691	08434691	08434691	08434691		
	UNITS	MAC	JB#6 @ 30S	JB#7 @ 30S	JB#8 @ 30S	JB#9 @ 30 S	JB#11 @ 30S	JB#12 @ 30S	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	7.50	26.5	34.7	13.8	74.0	2.76	0.20	8524795
No Fill	No Exceed	ance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds bo	th crite	eria/levels							
RDL = Reportable Detect	tion Limit									

Maxxam ID			QJ3259	QJ3260	QJ3261	QJ3262	QJ3272	QJ3273		
Sampling Date			2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02		
COC Number			08434691	08434691	08434691	08434691	08434692	08434692		
	UNITS	MAC	JB#13 @ 30S	JB#14 @ 30S	JB#15 @ 30S	JB#16 @ 30S	JB#20 @ 30S	JB#26 @ 30S	RDL	QC Batch
Total Metals by ICPMS										
Total Lead (Pb)	ug/L	10	16.0	37.4	5.43	11.4	5.14	3.62	0.20	8524795
No Fill	No Exceed	ance								
Grey	Exceeds 1	criteria	policy/level							
Black	Exceeds bo	oth crit	eria/levels							
RDL = Reportable Detect	ion Limit									

Maxxam ID			QJ3274	QJ3275	QJ3276	QJ3277	QJ3278	QJ3279		
Sampling Date			2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02		
COC Number			08434692	08434692	08434692	08434692	08434692	08434692		
	UN	TS MA	C JB#27 @ 30S	JB#32 @ 30S	JB#35 @ 30S	FCS#2 @ 30S	FCS#3 @ 30S	FCS#4 @ 30S	RDL	QC Batch
Total Metals by ICPMS	5	•			•	<u> </u>	<u> </u>	·		•
Total Lead (Pb)	ug	L 10	3.73	0.66	2.03	1.34	19.1	1.80	0.20	8524795
No Fill	No Exce	edance								
Grey	Exceed	1 crite	ria policy/level							

RDL = Reportable Detection Limit



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QJ3280	QJ3281		QJ3295	QJ3296	QJ3297		
Sampling Date				2017/01/02	2017/01/02		2017/01/02	2017/01/02	2017/01/02		
COC Number				08434692	08434692		08434693	08434693	08434693		
		UNITS	MAC	FCS#5 @ 30S	FCS#6 @ 30S	QC Batch	FCS#7 @ 30S	FCS#8 @ 30S	FCS#9 @ 30S	RDL	QC Batch
Total Metals by ICPM	IS										
Total Lead (Pb)		ug/L	10	2.95	1.92	8524795	2.57	1.09	2.23	0.20	8524797
No Fill	No	Exceeda	ance		•	•			•		
Grey	Exc	eeds 1 d	criteria	policy/level							
Black	Exc	eeds bo	th crite	eria/levels							
RDL = Reportable Det	ection L	imit									



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QJ3298	QJ3299	QJ3300	QJ3301	QJ3302		
Sampling Date			2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02		
COC Number			08434693	08434693	08434693	08434693	08434693		
	UN	TS MA	FCS#13 @ 30S	FCS#14 @ 30S	FCS#16 @ 30S	FCS#17 @ 30S	FCS#18 @ 30S	RDL	QC Batch
Total Metals by ICPMS	6								
Total Lead (Pb)	ug	/L 10	2.57	6.56	4.77	1.43	5.77	0.20	8524797
No Fill	No Exce	edance							
Grey	Exceeds	1 criter	ia policy/level						
Black	Exceeds	both cr	iteria/levels						
RDL = Reportable Dete	ction Limit								

		1	I	1			I	1	1
Maxxam ID			QJ3303	QJ3304	QJ3305	QJ3306	QJ3307		
Sampling Date			2017/01/02	2017/01/02	2017/01/02	2017/01/02	2017/01/02		
COC Number			08434693	08434694	08434694	08434694	08434694		
	LINUT		FCS#22 @	FCS#23 @	FCS#24 @	FCS#25 @	FCS#26 @	DDI	OC Datab
	UNITS	MAC	30S	30S	30 S	30 S	30S	KDL	QC Batch
Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	5.96	4.46	3.17	2.62	2.87	0.20	8524797
No Fill	No Exceed	ance							
Grey	Exceeds 1	riteria	policy/level						
Black	Exceeds bo	th crite	eria/levels						
RDL = Reportable Detec	ction Limit								

Maxxam ID			QJ3308	QJ3309	QJ3310	QJ3311	QJ3312		
Sampling Date			2017/01/02	2017/01/02	2016/12/19	2016/12/19	2016/12/19		
COC Number			08434694	08434694	08434694	08434694	08434694		
	UNITS	МАС	FCS#27 @ 30S	FCS#28 @ 30S	NOES#2 @ 30S	NOES#8 @ 30S	NOES#9 @ 30S	RDL	QC Batch
Total Metals by ICPMS						-	-		-
Total Lead (Pb)	ug/L	10	1.73	8.15	1.56	3.18	2.46	0.20	8524797
No Fill	No Exceeda	ince							
Grey	Exceeds 1 c	riteria	policy/level						
Black	Exceeds bo	th crite	eria/levels						
RDL = Reportable Dete	ction Limit								



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QJ3313		QJ3325	QJ3326		
Sampling Date			2016/12/19		2017/01/09	2017/01/09		
COC Number			08434694		08434695	08434695		
	UNITS	MAC	NOES#11 @ 30S	QC Batch	NDSS#35 @ 5MIN	PV#7 @ 5MIN	RDL	QC Batch
Total Metals by ICP	MS							
Total Lead (Pb)	ug/L	10	2.23	8524797	12.7	3.25	0.20	8525246
No Fill	No Exceedance	e		•				•
Grey	Exceeds 1 crit	eria po	licy/level					
Black	Exceeds both	criteria	/levels					
RDL = Reportable De	etection Limit							



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

FCS#6 @ 30S listed on the CoC (08434693) but not received. Performed analysis as per client's instructions.

Pertains to separate instances of FCS#6 @ 30S collected 2017/01/02 listed, but only one bottle correspondly received.

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPE)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8524795	Total Lead (Pb)	2017/01/11	NC	80 - 120	99	80 - 120	<0.20	ug/L	0.40	20
8524797	Total Lead (Pb)	2017/01/11	99	80 - 120	99	80 - 120	<0.20	ug/L	1.6	20
8525246	Total Lead (Pb)	2017/01/12	NC	80 - 120	99	80 - 120	<0.20	ug/L	0.96	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Rob Reinert, B.Sc., Scientific Specialist

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



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	JB#7 @ 30s		20	17/01/02		Water					\forall						х			1				
	JB#8 @ 30s		20	17/01/02		Water					\exists						x		T	1				
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BBY FCD-00077/05

B701706 COC

Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 COC# 08434695 Page 5 of 5 ime (TAT) Required Report Information (if differs from invoice) Invoice Information Project Information (where Regular TAT 5 days (Most analyses) Tetra Tech EBA Company Name: Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas / Mike Gallo P.O. #/ AFE#: Contact Name: Contact Name: Rush TAT (Surcharges will be applied) Address: #1 - 4376 Boban Drive, Nanaimo Address: Project #: ENW.VENW03011-01 ☐ Same Day 2 Days PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day ☐ 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: mike.gallo@tetratech.com darren.thomas@tetratech.com Email: Sampled By: Darren Thomas Date Required: **Regulatory Criteria** Special Instructions **Analysis Requested** Rush Confirmation #: LABORATORY USE ONLY Return Cooler BC CSR Soil ☐ BC CSR Water CUSTODY SEAL Y/N) COOLER TEMPERATURES CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Intact Present (Please Specify) OF CONTAINERS SUBMITTED 9 10,10 OLD - DO NOT ANALYZE ☑ Drinking Water ☑ BC Water Quality SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT Lab Date Sampled Sample Identification Matrix COMMENTS Identification (YYYY/MM/DD) 1 NDSS#35 @ 5min 2017/01/09 X Water 1 PV#7 @ 5min 2017/01/09 Water 3 7 8 10 MAXXAM JOB # RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) 12: w 13:00 2017/01/10



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68 Your C.O.C. #: 08434843, 08434844

Attention: Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Report Date: 2017/01/19

Report #: R2335128 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B703225 Received: 2017/01/17, 08:45

Sample Matrix: DRINKING WATER

Samples Received: 10

	Date	Date	
Analyses	Quantity Extracted	Analyzed Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	9 N/A	2017/01/17 BBY7SOP-00003,	BCLM2005,EPA6020bR2m
Elements by CRC ICPMS (total)	1 N/A	2017/01/18 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Letitia Prefontaine, B.Sc., Senior Project Manager

Email: LPrefontaine@maxxam.ca

Phone# (604)639-2616

Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QK0683	QK0684	QK0685	QK0686	QK0687		
Sampling Date			2017/01/16	2017/01/16	2017/01/16	2017/01/16	2017/01/16		
COC Number			08434843	08434843	08434843	08434843	08434843		
	UNIT	MAC	LIS#2 @ 2MIN	LIS#3 @ 2MIN	LIS#13 @ 2MIN	LIS#15 @ 2MIN	LIS#16 @ 2MIN	RDL	QC Batch
Total Metals by ICPMS									
Total Lead (Pb)	ug/l	10	15.6	8.71	8.77	8.64	9.46	0.20	8529656
No Fill	No Excee	dance							
Grey	Exceeds 1	criteria	policy/level						
Black	Exceeds b	oth crit	eria/levels						
RDL = Reportable Dete	ction Limit								

Maxxam ID			QK0688	QK0689	QK0690	QK0691	QK0693		
Sampling Date			2017/01/16	2017/01/16	2017/01/16	2017/01/16	2017/01/16		
COC Number			08434843	08434843	08434843	08434843	08434844		
	UNITS	MAC	LIS#17 @ 2MIN	LIS#18 @ 2MIN	LPS#11 @ 2MIN	LPS#15 @ 2MIN	PV#7 @ 2MIN	RDL	QC Batch
Total Metals by ICPMS	·						•	-	-
Total Lead (Pb)	ug/L	10	5.39	4.93	7.22	2.61	7.14	0.20	8529656
No Fill	No Exceed	ance							
Grey	Exceeds 1	criteria	policy/level						
Black	Exceeds bo	oth crit	eria/levels						
RDL = Reportable Detec	tion Limit								



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	6.0°C
•	

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix Spike		Spiked Blank		Method Blank		RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8529656	Total Lead (Pb)	2017/01/17	100	80 - 120	103	80 - 120	<0.20	ug/L	NC	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (one or both samples < 5x RDL).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist



CHAIN OF CUSTODY RECORD

ontact Name: Darro ddress: #1 - 4 BC ione: 250-756-2256 / nail: <u>darren.thom</u>	Tech EBA In Thomas 376 Boban Drive, Nanaimo PC: V9T 6A7 250-713-9178 as @ tetratech.com legulatory Criteria BC CSR W. J BC Water	Con Add Pho Ema	Special	Instructions		PC:				Site #: Sampled	E#: _E	NW.VEN chool Dis arren Th	omas	01				Date	Regular TAT: ASS PROVIDE ADVANCES Rush TAT (Surchar) Same Day 1 Day Required: Confirmation #:	ges will be applied) 2 Days 3 Days
#1-4 BC Hone: 250-756-2256 / Hail: darren.thom BC CSR Soil CCME (Specify)	376 Boban Drive, Nanaimo PC: V9T 6A7 250-713-9178 as @tetratech.com legulatory Criteria BC CSR W.	Add Pho Ema	ress: ne: special Return			PC:				Project # Site Loca Site #: Sampled	Eion: Si	chool Dis	omas	01				Date	Rush TAT (Surchard Same Day 1 Day Required:	ges will be applied) 2 Days 3 Days
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		cify)	☐ Ship Sai			VOC/VPH		2	Prese	Prese		phate	Alkalinit						Y /(N)	COOLER
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Drinking Water	□ BC Water	Charles and Land	(Please	Specify)			HE HA		red?	Filtered? Field Prese	1 Pres	800	£ [TTED		IA	666
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						N			etals	arcury	2 5	TES 2	8 2				INERS	NOT A!		
SAMPLES MUST BE	KEPT COOL (< 10.ºC) FROM			RY TO MAXXA	AM	Hen	0	PHC	wed M	ved Me	Mercu	* 0	٦٢	pea			# OF CONTAINERS SUBMITTED	8	COOLING MEDIA PRES	ENT (Y// N
Sample lo	entification	Lab Identification	Date Sampled (YYYY/MM/DD)	Sampled (HH:MM)	Matrix	втех/урн	EPH PAH	CCME-PHC	Dissol	Dissolved Total Met	Jotal Me	Chlori	DH D	Total Lead			# OF C	HOLD.	co	MMENTS
LIS#	2 @ 2min		2017/01/16		Water									x			1			
LIS#	3 @ 2min		2017/01/16		Water									x			1			
LIS#	13 @ 2min		2017/01/16		Water							9		х			1			
LIS#	15 @ 2min	8	2017/01/16		Water			П						x		П	1			
LIS#	16 @ 2min		2017/01/16		Water									×			1			
LIS#	17 @ 2min		2017/01/16		Water	П							\neg	х			1			
LIS#	18 @ 2min		2017/01/16		Water						9-7			x			1			
LPS#	11 @ 2min		2017/01/16		Water							\top		×			1			
LPS#	15 @ 2min		2017/01/16		Water		1							×	1	T	1	100		
NDSS	#35 @ 2min		2017/01/16		Water		\top	\top	1	\top		\top	\top		+	\top	1	х		
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B703225_COC



CHAIN OF CUSTODY F

BBY FCD-00077/05

as ban Drive, Nanaimo PC: V9T 6A7 -9178 etratech.com pry Criteria BC CSR Water Other (Specify) BC Water Quality DOL (< 10°C) FROM TIME OF Lat Identific	Retu	Sample Bottles use Specify) VERY TO MAXXAM The Specified Matrix	мен		Analy Seewed By: Analy Lesewed Comment Commen	ENW.VEN Darren Th ysis Request assequing appropriate spinonial assequing appropriate spinonial assequing asset assequing assequing assequing asset asse	omas		OF CONTAINERS SUBMITTED	Date	Regular TAT 5 days (Most analyses) ASE PROVIDE ADVANGE NOTICE FOR RUSH PROJECT Rush TAT (Surcharges will be applied) Same Day 2 Days 1 Day 3 Days e Required: h Confirmation #: LABORATORY USE ONLY CUSTODY SEAL Y / N Present Intact LABORATORY USE ONLY
pan Drive, Nanaimo PC: V9T 6A7 -9178 etratech.com ry Criteria BC CSR Water Other (Specify) SC Water Quality DOL (<10°C) FROM TIME OF Identific	Address: Phone: Email: Spec Retu Ship (Ples) SAMPLING UNTIL DELL b Date Sampled	ial Instructions rn Cooler Sample Bottles use Specify) VERY TO MAXXAM Time Sampled Matrix	MTBE OCCVPH TEH TEH OCC		roject #: itte Location ite #: ampled By: Analy A	Darren The control of	strict 68 omas		VTAINERS SUBMITTED	Date Rush	Rush TAT (Surcharges will be applied) Same Day 2 Days 1 Day 3 Days e Required: h Confirmation #: LABORATORY USE ONLY CUSTOPY SEAL Y / N Present Intact LABORATORY USE ONLY COOLER TEMPERATURES
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574200	2017/01/16	Wate	er					x	1		
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Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Your C.O.C. #: 08435054

Attention:Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Report Date: 2017/01/27

Report #: R2338559 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B705194 Received: 2017/01/24, 08:40

Sample Matrix: DRINKING WATER

Samples Received: 1

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	1	N/A	2017/01/2	7 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

 $\label{lem:please} \textit{Please direct all questions regarding this Certificate of Analysis to your Project Manager.}$

Letitia Prefontaine, B.Sc., Senior Project Manager

Email: LPrefontaine@maxxam.ca

Phone# (604)639-2616



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID		QL2197												
Sampling Da	te			2017/01/16										
COC Numbe	r			08435054										
		UNITS	MAC	LIS#2 @ 5MIN	RDL	QC Batch								
Total Metals	s by ICPMS													
Total Lead (P	b) ug/L 10 7.19 0.20 8537630													
No Fill	No Exceedance	No Exceedance												
Grey	Exceeds 1 crite	Exceeds 1 criteria policy/level												
Black	Exceeds both criteria/levels													
RDL = Report	rtable Detection Limit													



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	4.7°C
-----------	-------

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPE)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8537630	Total Lead (Pb)	2017/01/27	NC	80 - 120	99	80 - 120	<0.20	ug/L	0.46	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist



CHAIN OF CUSTODY RECORD

BBY FCD-00077/05 Burnaby: 4606 Canada Way, Burnaby, BC VSG 1KS. Toll Free (800) 665-8566 COC# Page 1 of 1 08435054 Project Information (where me (TAT) Required Invoice Information Report Information (if differs from invoice) Regular TAT 5 days (Most analyses) Tetra Tech EBA Quotation #: Company Name: Company Name: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Contact Name: Contact Name: P.O. #/ AFE#: **Darren Thomas** Rush TAT (Surcharges will be applied) ENW.VENW03011-01 Address: #1 - 4376 Boban Drive, Nanaimo Address: Project #: ☐ Same Day ☐ 2 Days Site Location: School District 68 V9T 6A7 ☐ 1 Day ☐ 3 Days Phone: 250-756-2256 / 250-713-9178 Phone: Sampled By: Darren Thomas darren.thomas@tetratech.com Email: Date Required: **Regulatory Criteria Special Instructions Analysis Requested** Rush Confirmation #: LABORATORY USE ONLY BC CSR Soil BC CSR Water Return Cooler CUSTODY-SEAL COOLER TEMPERATURES CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Intact (Please Specify) OF CONTAINERS SUBMITTED Drinking Water BC Water Quality 5AMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT Date Sampled Sample Identification Matrix COMMENTS Identification (YYYY/MM/DD) 1 LIS#2 @ 5min 2017/01/16 x Water 3 9 10 RELINQUISHED BY: (Signature/Print) BAAVVARA IOR # DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) 12:00

Page 6 of 6

B705194 COC



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Your C.O.C. #: 08435055, 08435057, 08435056

Attention: Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Report Date: 2017/01/30

Report #: R2339173 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B705195 Received: 2017/01/24, 08:40

Sample Matrix: DRINKING WATER

Samples Received: 30

		Date	Date		
Analyses	Quantit	y Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	30	N/A	2017/01/2	7 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager. Letitia Prefontaine, B.Sc., Senior Project Manager

Email: LPrefontaine@maxxam.ca

Phone# (604)639-2616



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

		_		1								
Maxxam ID			QL2198	QL2199	QL2200	QL2201	QL2202					
Sampling Date			2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23					
COC Number			08435055	08435055	08435055	08435055	08435055					
	UNITS	MAC	JB#7 @ 2MIN	JB#8 @ 2MIN	JB#9 @ 2MIN	JB#11 @ 2MIN	JB#13 @ 2MIN	RDL	QC Batch			
Total Metals by ICPMS												
Total Lead (Pb)	ug/L	ug/L 10 9.48 18.2 11.0 30.7 6.02 0.20 8537630										
No Fill	No Exceeda	No Exceedance										
Grey	Exceeds 1 o	riteria	policy/level									
Black	Exceeds both criteria/levels											
RDL = Reportable Detection Limit												

							ı	ı		ı ı			
Maxxam ID			QL2203	QL2204	QL2205	QL2206		QL2207					
Sampling Date			2017/01/23	2017/01/23	2017/01/23	2017/01/23		2017/01/23					
COC Number			08435055	08435055	08435055	08435055		08435055					
	LINUTG		JB#14 @	JB#16 @	FCS#3 @	HB#1 @	00 0-4-6	HB#2 @	2	00 0-4-6			
	UNITS	IVIAC	2MIN	2MIN	2MIN	OS	QC Batch	0S	KDL	QC Batch			
Total Metals by ICPMS													
Total Lead (Pb)	ug/L	ug/L 10 26.5 6.63 4.95 2.89 8537630 4.31 0.20 8537999											
No Fill	No Exceed	ance											
Grey	Exceeds 1	criteria	policy/level										
Black	Exceeds bo	exceeds both criteria/levels											
RDL = Reportable Detect	ion Limit	·											

Maxxam ID				QL2209	QL2210	QL2211	QL2212	QL2213	QL2214				
Sampling Date				2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23				
COC Number				08435057	08435057	08435057	08435057	08435057	08435057				
	UNITS MAC												
Total Metals by ICPMS													
Total Lead (Pb)	ι	ug/L 10 4.62 2.23 2.17 0.21 1.22 1.56 0.20 8537999											
No Fill	No Ex	No Exceedance											
Grey	Excee	ds 1 c	riteria	policy/level									
Black	Exceeds both criteria/levels												
RDL = Reportable Detection Limit													



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID				QL2215	QL2216	QL2217	QL2218	QL2223	QL2224			
Sampling Date				2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23			
COC Number				08435057	08435057	08435057	08435057	08435056	08435056			
		UNITS	MAC	HB#9 @ OS	HB#10 @ OS	HB#11 @ OS	HB#12 @ OS	HB#13 @ OS	HB#14 @ 0S	RDL	QC Batch	
Total Metals by ICPMS												
Total Lead (Pb)		ug/L 10 1.06 1.05 1.81 21.8 24.3 10.1 0.20 8537999										
No Fill	No E	xceeda	nce			•	•			•		
Grey	Exce	Exceeds 1 criteria policy/level										
Black	Exce	Exceeds both criteria/levels										
RDL = Reportable Dete	ection Li	mit										



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QL2225	QL2226	QL2227	QL2228	QL2229	QL2230				
Sampling Date			2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23				
COC Number			08435056	08435056	08435056	08435056	08435056	08435056				
	UNITS	MAC	HB#15 @ 0S	HB#16 @ OS	HB#17 @ OS	HB#18 @ OS	HB#19 @ OS	HB#20 @ OS	RDL	QC Batch		
Total Metals by ICPMS												
Total Lead (Pb)	ug/L	ug/L 10 4.11 18.4 7.58 14.2 74.3 33.2 0.20 8537999										
No Fill	No Exceed	No Exceedance										
Grey	Exceeds 1	Exceeds 1 criteria policy/level										
Black	Exceeds both criteria/levels											
RDL = Reportable Detec	tion Limit											

Maxxam ID				QL2231		QL2232				
Sampling Date			2017/01/23		2017/01/23					
COC Number				08435056		08435056				
		UNITS	MAC	HB#21 @ OS	QC Batch	HB#22 @ 0S	RDL	QC Batch		
Total Metals by	Total Metals by ICPMS									
Total Lead (Pb)		ug/L	10	6.06	8537999	5.67	0.20	8538100		
No Fill	No Exceeda	ance								
Grey	Exceeds 1 criteria policy/level									
Black	Exceeds both criteria/levels									
RDL = Reportable Detection Limit										



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1 4.7 C	Package 1	4.7°C
-----------------	-----------	-------

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method Blank		RPI	RPD	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	
8537630	Total Lead (Pb)	2017/01/27	NC	80 - 120	99	80 - 120	<0.20	ug/L	0.46	20	
8537999	Total Lead (Pb)	2017/01/27	NC	80 - 120	96	80 - 120	<0.20	ug/L	0.53	20	
8538100	Total Lead (Pb)	2017/01/27	NC	80 - 120	99	80 - 120	<0.20	ug/L	3.7	20	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist



CHAIN OF CUSTODY PECONS

BBY FCD-00077/05 Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 COC 08435055 Page 1 of 3 Project Information (when Invoice Information Report Information (if differs from invoice) rurnaround Time (TAT) Required Regular TAT S days (Most analyses) Tetra Tech EBA Company Name: Company Name: Quotation #: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas Contact Name: P.O. #/ AFE#: Contact Name: Rush TAT (Surcharges will be applied) Address: #1 - 4376 Boban Drive, Nanaimo Address: ENW.VENW03011-01 ☐ Same Day ☐ 2 Days Site Location: School District 68 V9T 6A7 ☐ 3 Days ☐ 1 Day Phone: 250-756-2256 / 250-713-9178 Phone: darren.thomas@tetratech.com Sampled By: Darren Thomas Email: Date Required: **Regulatory Criteria** Special Instructions **Analysis Requested** Rush Confirmation #: LABORATORY USE ONLY ☐ BC CSR Water Return Cooler BC CSR Soil CUSTODY SEAL Y //N COOLER TEMPERATURES CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Intact (Please Specify) ☑ Drinking Water ☑ BC Water Quality SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT Date Sampled Sample Identification Sampled COMMENT Identification (YYYY/MM/DD) (HH:MM) 1 JB#7 @ 2min 2017/01/23 x Water 1 JB#8 @ 2min 2017/01/23 X Water 3 1 JB#9 @ 2min 2017/01/23 X Water 1 JB#11 @ 2min 2017/01/23 X Water JB#13 @ 2min 2017/01/23 X 1 Water JB#14 @ 2min 2017/01/23 x 1 Water 1 JB#16 @ 2min 2017/01/23 X Water 1 FCS#3 @ 2min 2017/01/23 x Water HB#1 @ 0s 2017/01/23 x 1 Water 10 1 HB#2 @ 0s 2017/01/23 Water RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) MAXXAM JOB # 12500

B705195 COC



CHAIN OF CUSTODY

BBY FCD-00077/05

CCME (Specify)	Com																(TAT) Required
#1 - 4376 Boban Drive 8C PC:		ompany Name:					Qu	otation	ı#:							Regular TAT 5	days (Most analyses)
BC PC: Phone: 250-756-2256 / 250-713-9178 Email: darren.thomas@tetratec Regulatory Criter BC CSR Soil CCME (Specify)	Cont	tact Name:					P.0	P.O. #/ AFE#:					PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS				
Phone: 250-756-2256 / 250-713-9178 Email: darren.thomas@tetratec Regulatory Criter BC CSR Soil CCME (Specify) Drinking Water	, Nanaimo Addr	ress:		10.7			Pro	Project #: ENW.VENW03011-01					Rush TAT (Surcharges will be applied)				
Regulatory Criter BC CSR Soil CCME (Specify) Drinking Water	V9T 6A7			PC:		N. Sec. Y	Sit	Site Location: School District 68				☐ Same Day ☐ 2 Days					
Regulatory Criter BC CSR Soil CCME (Specify) Drinking Water	Phor	ne:	ewill at the large				Sit	e #:				W.				☐ 1 Day	☐ 3 Days
BC CSR Soil CCME (Specify) Drinking Water	h.com Ema	Email;			126		Sa	npled	By: Da	rren Tho	mas	2 V			Date Required:		
BC CSR Soil CCME (Specify) Drinking Water	ía -	Special Ir	structions					Ar	alysis R	queste	4				Rush	Confirmation #:	
☑ Drinking Water ☑	BC CSR Water	Return C	ooler	NOC/VPH			reserved?			000	dinity					CUSTODY SPAL	RY USE ONLY COOLER
	Other (Specify)	Ship Sam (Please S	pple Bottles pecify)	Nov.	тен П		Filtered?	d Preserved?	Field Preserved?	Bob	offy Alka			SUBMITTED		Present Intact	TEMPERATURES 464
SAMPLES MUST BE KEPT COOL (< 10	BC Water Quality] MTBE		D BTEX/F1	etals Filter ercury Filter	Flek	uny Flei	□ sau	Conducti	1			NOT ANALYZE		191
Sample Identification	Lab Identification	Date Sampled (YYYY/MM/DD)	Time Sampled Matrix (HH:MM)	втех/урн	H H	CCME-PHC	Dissolved M	Total Metal	Total Mercu	LSS [☐ Hd	Total Lead		# OF CONTAINERS	од - спон	COOLING MEDIA PRESEN	MEN S N
1 HB#3 @ Os		2017/01/23	Water									x		1			
2 HB#4 @ Os		2017/01/23	Water			\Box						x		1			
3 HB#5 @ Os		2017/01/23	Water	П								x		1			
4 HB#6 @ 5min		2017/01/23	Water	П								x		1			
5 HB#7 @ Os		2017/01/23	Water	П			1			П		×		1			
6 HB#8 @ Os		2017/01/23	Water	П								x		1			
7 HB#9 @ Os		2017/01/23	Water	П		\top					\top	×		1			
8 HB#10 @ 0s		2017/01/23	Water	\Box		\top				\top		×		1		-	
9 H8#11 @ Os		2017/01/23	Water	\forall						$\dagger \dagger$		×		1			
10 HB#12 @ Os		2017/01/23	Water	\vdash	1	+	+		+	\forall	\top	×		1			
RELINQUISHED BY: (Signature/Print)	DATE: (YYYY/MM/D	The American Control		IVED B	Y: (Signa	iture/Pri	nt)	_	DATE:	(YYYY)	M/DD		ME: (HH:MM)	1053/6	SHEET.	MAXXAM JO	B#
Davier Roma	2017/01/23	12:00	Ull la	W	1 h	Ahu	LX		201	7/0	/24	4	08:40				



CHAIN OF CUSTODY RECORD

BBY FCD-00077/05 CO Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 Page 3 of 3 08435056 1 Time (TAT) Required Invoice Information Report Information (if differs from invoice) Project Information (who Regular TAT 5 days (Most analyses) Company Name: Tetra Tech EBA Quotation #: Company Name: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS P.O. #/ AFE#: Contact Name: **Darren Thomas** Contact Name: Rush TAT (Surcharges will be applied) Address: #1 - 4376 Boban Drive, Nanaimo Address: ENW.VENW03011-01 ☐ Same Day ☐ 2 Days V9T 6A7 Site Location: School District 68 3 Days ☐ 1 Day Phone: 250-756-2256 / 250-713-9178 Phone: darren.thomas@tetratech.com Sampled By: Darren Thomas Email: Date Required: **Regulatory Criteria** Special Instructions **Analysis Requested** Rush Confirmation #: LABORATORY USE ONLY Return Cooler BC CSR Soil BC CSR Water CUSTODY SEAL COOLER **TEMPERATURES** CCME (Specify) Other (Specify) ☐ Ship Sample Bottles Intact Present (Please Specify) Drinking Water BC Water Quality SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM COOLING MEDIA PRESENT Date Sampled Sample Identification COMMENTS Identification (YYYY/MM/DD) (HH:MM) 1 HB#13 @ 0s 2017/01/23 X Water 1 HB#14 @ 0s 2017/01/23 X Water 3 1 HB#15 @ 0s 2017/01/23 Х Water 1 2017/01/23 HB#16 @ 0s х Water HB#17@0s 2017/01/23 X 1 Water 1 HB#18 @ 0s 2017/01/23 x Water 1 HB#19 @ 0s 2017/01/23 X Water 1 HB#20 @ 0s 2017/01/23 Water HB#21@0s 2017/01/23 1 Water 10 1 HB#22 @ 0s 2017/01/23 Water RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) RECEIVED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) MAXXAM JOB # 08:40 12:60

B705195 COC



Your Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68 Your C.O.C. #: 08435298, 08435297

Attention:Darren Thomas

TETRA TECH EBA INC. #1 - 4376 BOBAN DRIVE NANAIMO, BC Canada V9T 6A7

Report Date: 2017/02/07

Report #: R2342565 Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B708065 Received: 2017/02/03, 08:30

Sample Matrix: DRINKING WATER

Samples Received: 11

		Date	Date		
Analyses	Quantity	y Extracted	Analyzed	Laboratory Method	Analytical Method
Elements by CRC ICPMS (total)	11	N/A	2017/02/0	7 BBY7SOP-00003,	BCLM2005,EPA6020bR2m

Remarks:

Maxxam Analytics' laboratories are accredited to ISO/IEC 17025:2005 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Maxxam are based upon recognized Provincial, Federal or US method compendia such as CCME, MDDELCC, EPA, APHA.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Maxxam's profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Maxxam in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported: unless indicated otherwise, associated sample data are not blank corrected.

Maxxam Analytics' liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Maxxam has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Maxxam, unless otherwise agreed in writing.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods. Results relate to samples tested.

This Certificate shall not be reproduced except in full, without the written approval of the laboratory.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

Encryption Key

 $\label{thm:please direct all questions regarding this Certificate of Analysis to your Project Manager.$

Letitia Prefontaine, B.Sc., Senior Project Manager

Email: LPrefontaine@maxxam.ca

Phone# (604)639-2616



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01 Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

Maxxam ID			QM6269	QM6270	QM6271	QM6272	QM6273	QM6274		
Sampling Date			2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23		
COC Number			08435298	08435298	08435298	08435298	08435298	08435298		
	UNITS	MAC	JB#8 @ 5MIN	JB#9 @ 5MIN	JB#11 @ 5MIN	JB#14 @ 5MIN	HB#12@ 30S	HB#13@ 30S	RDL	QC Batch
Total Metals by ICPMS	Total Metals by ICPMS									
Total Lead (Pb)	ug/L	10	14.0	9.59	7.81	82.0	4.11	4.44	0.20	8546294
No Fill	No Excee	dance								
Grey	Exceeds 1 criteria policy/level									
Black Exceeds both criteria/levels										
RDL = Reportable Detectio	n Limit									

Maxxam ID			QM6275	QM6276	QM6277	QM6278	QM6280		
Sampling Date			2017/01/23	2017/01/23	2017/01/23	2017/01/23	2017/01/23		
COC Number			08435298	08435298	08435298	08435298	08435297		
	UNIT	s MAC	HB#14@ 30S	HB#16@ 30S	HB#18@ 30S	HB#19@ 30S	HB#20 @ 30S	RDL	QC Batch
Total Metals by ICPMS	S		•	<u> </u>	•	•			
Total Lead (Pb)	ug/	. 10	1.53	0.80	5.12	4.25	1.82	0.20	8546294
No Fill	No Exceed								
Grey	Exceeds 1	riteria p	oolicy/level						
Black	Exceeds bo	Exceeds both criteria/levels							
RDL = Reportable Dete	ection Limit								



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	1.0°C
U	

MAC: The guidelines that have been included in this report have been taken from the Canadian Drinking Water Quality Summary Table, October 2014.

Criteria A = Maximum Acceptable Concentration (MAC) / Criteria B = Aesthetic Objectives (AO) / Criteria C = Operational Guidance Values (OG) It is recommended to consult these guidelines when interpreting your data since there are non-numerical guidelines that are not included on this report.

Turbidity Guidelines:

- 1. Chemically assisted filtration: less than or equal to 0.3 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 1.0 NTU at any time.
- 2. Slow sand / diatomaceous earth filtration: less than or equal to 1.0 NTU in 95% of the measurements or 95% of the time each month. Shall not exceed 3.0 NTU at any time.
- 3. Membrane filtration: less than or equal to 0.1 NTU in 99% of the measurements made or at least 99% of the time each calendar month. Shall not exceed 0.3 NTU at any time.

Results relate only to the items tested.



QUALITY ASSURANCE REPORT

TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01

Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

			Matrix	Spike	Spiked	Blank	Method B	lank	RPI)
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits
8546294	Total Lead (Pb)	2017/02/07	NC	80 - 120	103	80 - 120	<0.20	ug/L	0.59	20

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spiked amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than 2x that of the native sample concentration).



TETRA TECH EBA INC.

Client Project #: ENW.VENW03011-01
Site Location: SCHOOL DISTRICT 68

Sampler Initials: DT

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).

Andy Lu, Ph.D., P.Chem., Scientific Specialist



CHAIN OF CUSTODY PECOPO

BBY FCD-00077/05 Page 1 of 2

TAT) Required			
days (Most analyses)			
TICE FOR RUSH PROJEC			
Rush TAT (Surcharges will be applied) Same Day 2 Days			
☐ 2 Days			
☐ 3 Days			
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RY USE ONLY.			
COOLER			
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roa (parcial). Bi			

B708065_COC

03-Feb-17 08:30

Letitia Prefontaine B708065



CHAIN OF CUSTODY RECORD

B708065 COC

BBY FCD-00077/05 ANO SO131 Burnaby: 4606 Canada Way, Burnaby, BC V5G 1K5. Toll Free (800) 665-8566 Page 2 of 2 08435297 Project Information (where e (TAT) Required Report Information (if differs from invoice) Invoice Information Regular TAT 5 days (Most analyses) Tetra Tech Canada Company Name: PLEASE PROVIDE ADVANCE NOTICE FOR RUSH PROJECTS Darren Thomas Contact Name: Contact Name: Rush TAT (Surcharges will be applied) Address: ENW.VENW03011-01 #1 - 4376 Boban Drive, Nanalmo Address Same Day 2 Days BC PC: V9T 6A7 Site Location: School District 68 ☐ 1 Day ☐ 3 Days Phone: 250-756-2256 / 250-713-9178 Email: darren.thomas@tetratech.com Date Required: **Analysis Requested** Rush Confirmation #: **Regulatory Criteria** Special Instructions LABORATORY USE ONLY. BC CSR Soil BC CSR Water Return Cooler · * / · N ·] TEMPERATURES. CCME (Specify) Other (Specify) ☐ Ship Sample Bottles (Please Specify) ☑ Drinking Water BC Water Quality SAMPLES MUST BE KEPT COOL (< 10 °C) FROM TIME OF SAMPLING UNTIL DELIVERY TO MAXXAM **Date Sampled** Sample Identification Sampled Matrix COMMENTS Identification (YYYY/MM/DD) HB#20 @ 30s 2017/01/23 Water 5 RECEIVED BY: (Signature/Print) RELINQUISHED BY: (Signature/Print) DATE: (YYYY/MM/DD) TIME: (HH:MM) DATE: (YYYY/MM/DD) TIME: (HH:MM) MAXXAM JOB # 2017/02/02 \$3:00 08:30