



MBAS

Monterey Bay Analytical Services

4 Justin Court Suite D, Monterey, CA 93940

831.375.MBAS (6227)

www.MBASinc.com

ELAP Certification Number: 2385

Sunday, January 13, 2019

City of San Juan Bautista

Miles Farmer

311 2nd St.

San Juan Bautista, CA 95045

Lab Number: 181228_27-03

Collection Date/Time: 12/28/2018 14:45

Sample Collector:

Farmer M Client Sample #:

Submittal Date/Time: 12/28/2018 15:55

Sample ID:

WW Coliform Designation:

Sample Description: San Juan Bautista WWTP, Effluent Grab

Analyte	Method	Unit	Result	Qual	Dil.	PQL	Anal. Date	Anal. Time	Analyst
Coliform, E Coli (Quantitray)	SM9223	MPN/100mL	<1		1	1	12/28/2018	16:20	MW
Coliform, Total (Quantitray)	SM9223	MPN/100mL	<1		1	1	12/28/2018	16:20	MW

Comments:

Report Approved by:

David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

µg/L : Micrograms per liter (=ppb)

PQL : Practical Quantitation Limit

MCL : Maximum Contamination Level

H = Analyzed outside of hold time

E = Analysis performed by External Laboratory; See Report attachments

T = Temperature Exceedance

MDL = Method Detection Limit

J = Result is less than PQL

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Lab Number 181228_27-01 Sample Description: San Juan Bautista WWTP, Influent Composite

Collection Date/Time: 12/28/2018 14:45 Sample Collector: Farmer M Client Sample #:
 Submittal Date/Time: 12/28/2018 15:55 Sample ID: WW

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Total Suspended Solids	SM2540D	mg/L	182	1		2		12/31/2018	9:54	LM
Biochemical Oxygen Demand	SM5210B	mg/L	213	1	IA	2		12/28/2018	16:00	MW

IA: Results are valid even though GGA recovery outside of limits.

Lab Number 181228_27-02 Sample Description: San Juan Bautista WWTP, Effluent Composite

Collection Date/Time: 12/28/2018 14:45 Sample Collector: Farmer M Client Sample #:
 Submittal Date/Time: 12/28/2018 15:55 Sample ID: WW

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Total Suspended Solids	SM2540D	mg/L	19	1		2		12/31/2018	9:54	LM
Biochemical Oxygen Demand	SM5210B	mg/L	6	1	IA	2		12/28/2018	16:00	MW

IA: Results are valid even though GGA recovery outside of limits.

Lab Number 181228_27-03 Sample Description: San Juan Bautista WWTP, Effluent Grab

Collection Date/Time: 12/28/2018 14:45 Sample Collector: Farmer M Client Sample #:
 Submittal Date/Time: 12/28/2018 15:55 Sample ID: WW

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Oil & Grease (HEM)	EPA1664 rev.B	mg/L	ND	2		6		1/10/2019	8:30	HM
Sodium	EPA200.7	mg/L	258	1	IL	1		1/9/2019	13:00	HM
IL: RPD exceeds laboratory control limit										
Chloride	EPA300.0	mg/L	396	1	BB	1	250	1/5/2019	12:59	HM
BB: Sample > 4x spike concentration.										
Total Dissolved Solids	SM2540C	mg/L	1270	1		10	500	12/31/2018	14:25	LM
Dissolved Oxygen (Laboratory)	SM4500-O G	mg/L	3.88	1		0.5		12/28/2018	16:15	PS

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 MDL = Method Detection Limit

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PQL : Practical Quantitation Limit

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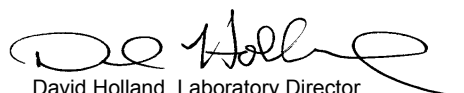
Lab Number 181228_27-04 Sample Description: San Juan Bautista WWTP, Influent Grab

Collection Date/Time: 12/28/2018 14:45 Sample Collector: Farmer M Client Sample #:

Submittal Date/Time: 12/28/2018 15:55 Sample ID: WW

Analyte	Method	Unit	Result	Dil.	Qual	PQL	MCL	Anal. Date	Anal. Time	Analyst
Calcium	EPA200.7	mg/L	115	1		1		1/9/2019	13:03	HM
Magnesium	EPA200.7	mg/L	36	1		1		1/9/2019	13:03	HM
Chloride	EPA300.0	mg/L	331	4		4	250	1/5/2019	16:23	HM
Sulfate	EPA300.0	mg/L	126	4	LM	4	250	1/5/2019	16:23	HM
LM: MS and/or MSD above acceptance limits.										
Hardness (as CaCO3)	SM2340B/Calc	mg/L	436	1		10				
Total Dissolved Solids	SM2540C	mg/L	1270	1		10	500	12/31/2018	14:25	LM

Report Approved by:


David Holland, Laboratory Director

mg/L : Milligrams per liter (=ppm)

H = Analyzed outside of hold time

MDL = Method Detection Limit

µg/L : Micrograms per liter (=ppb)

E = Analysis performed by External Laboratory; See Report attachments

J = Result is less than PQL

PQL : Practical Quantitation Limit

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T = Temperature Exceedance

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QC Results

QC Batch ID	QC ID	Parameter	Results	Units	% Rec	% RPD	Control Limit
QC19010218	GGA 1	Biochemical Oxygen Demand	129.0	mg/L	65		85 - 115
	Method Blank 1	Biochemical Oxygen Demand	ND	mg/L		< 0.1	
QC19011106	190103_19-05: MS 1	Calcium	107.8	mg/L	93		70 - 130
	190103_19-05: MSD 1	Calcium	110.4	mg/L	99	5.4	0 - 20
	CCVB 1	Calcium	ND	mg/L		< 0.1	
	LCB 1	Calcium	ND	mg/L		< 0.1	
	LCS 1	Calcium	51.6	mg/L	103		95 - 105
	LCSD 1	Calcium	47.43	mg/L	95	8.4	0 - 10
	LFB 1	Calcium	50.21	mg/L	100		85 - 115
	LFBD 1	Calcium	49.33	mg/L	99	1.8	0 - 20
	Method Blank 1	Calcium	ND	mg/L		< 0.1	
	QCS 1	Calcium	47.31	mg/L	95		95 - 105
QC19010707	181228_27-03: MS 1	Chloride	439.6	mg/L	219		80 - 120
	181228_27-03: MSD 1	Chloride	429.6	mg/L	169	25.7	0 - 10
	CCVB 1	Chloride	ND	mg/L		< 0.1	
	LCS 1	Chloride	21.04	mg/L	105		90 - 110
	LCSD 1	Chloride	20.46	mg/L	102	2.8	0 - 10
	LCSL 1	Chloride	2.2	mg/L	110		50 - 150
	Method Blank 1	Chloride	ND	mg/L		< 0.1	
QC19010708	190102_16-01: MS 1	Chloride	42.62	mg/L	113		80 - 120
	190102_16-01: MSD 1	Chloride	40.84	mg/L	104	8.2	0 - 10
	CCVB 1	Chloride	ND	mg/L		< 0.1	
	LCS 1	Chloride	21.04	mg/L	105		90 - 110
	LCSD 1	Chloride	19.58	mg/L	98	7.2	0 - 10
	LCSL 1	Chloride	2.2	mg/L	110		50 - 150
	Method Blank 1	Chloride	ND	mg/L		< 0.1	
QC19011106	190103_19-05: MS 1	Magnesium	51.29	mg/L	95		70 - 130
	190103_19-05: MSD 1	Magnesium	52.89	mg/L	98	3.3	0 - 20
	CCVB 1	Magnesium	ND	mg/L		< 0.1	
	LCB 1	Magnesium	ND	mg/L		< 0.1	
	LCS 1	Magnesium	51.49	mg/L	103		95 - 105
	LCSD 1	Magnesium	48.47	mg/L	97	6.0	0 - 10
	LFB 1	Magnesium	51.59	mg/L	103		85 - 115
	LFBD 1	Magnesium	50.02	mg/L	100	3.1	0 - 20
	Method Blank 1	Magnesium	ND	mg/L		< 0.1	
	QCS 1	Magnesium	47.68	mg/L	95		95 - 105

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QC Results

QC Batch ID	QC ID	Parameter	Results	Units	% Rec	% RPD	Control Limit
QC19011104	181227_11-01: MS 1	Oil & Grease (HEM)	19.4	mg/L	97		78 - 114
	181227_11-01: MSD 1	Oil & Grease (HEM)	22.3	mg/L	112	13.9	0 - 18
	LCS 1	Oil & Grease (HEM)	39.3	mg/L	98		83 - 101
	Method Blank 1	Oil & Grease (HEM)	ND	mg/L		< 0.1	
QC19011106	190103_19-05: MS 1	Sodium	158.9	mg/L	96		70 - 130
	190103_19-05: MSD 1	Sodium	171.7	mg/L	121	23.5	0 - 20
	CCVB 1	Sodium	ND	mg/L		< 0.1	
	LCB 1	Sodium	ND	mg/L		< 0.1	
	LCS 1	Sodium	51.0	mg/L	102		95 - 105
	LCSD 1	Sodium	49.47	mg/L	99	7.6	0 - 10
	LFB 1	Sodium	56.95	mg/L	114		85 - 115
	LFB 1	Sodium	56.27	mg/L	113	1.2	0 - 20
	Method Blank 1	Sodium	ND	mg/L		< 0.1	
	QCS 1	Sodium	47.67	mg/L	95		95 - 105
QC19010707	181228_27-03: MS 1	Sulfate	153.6	mg/L	139		80 - 120
	181228_27-03: MSD 1	Sulfate	149.4	mg/L	118	16.2	0 - 10
	CCVB 1	Sulfate	ND	mg/L		< 0.1	
	LCS 1	Sulfate	20.67	mg/L	103		90 - 110
	LCSD 1	Sulfate	20.36	mg/L	102	1.5	0 - 10
	LCSL 1	Sulfate	2.12	mg/L	106		50 - 150
	Method Blank 1	Sulfate	ND	mg/L		< 0.1	
QC19010708	190102_16-01: MS 1	Sulfate	147.9	mg/L	168		80 - 120
	190102_16-01: MSD 1	Sulfate	142.7	mg/L	143	16.6	0 - 10
	CCVB 1	Sulfate	ND	mg/L		< 0.1	
	LCS 1	Sulfate	20.67	mg/L	103		90 - 110
	LCSD 1	Sulfate	19.5	mg/L	97	5.9	0 - 10
	LCSL 1	Sulfate	2.12	mg/L	106		50 - 150
	Method Blank 1	Sulfate	ND	mg/L		< 0.1	
QC19010217	181228_27-04: Duplicate 1	Total Dissolved Solids	1234.0	mg/L		2.7	0 - 5
	CCVB 1	Total Dissolved Solids	ND	mg/L		< 0.1	
	LCS 1	Total Dissolved Solids	476.0	mg/L	95		90 - 110
	LCSD 1	Total Dissolved Solids	462.0	mg/L	92	3.0	0 - 10
	LCSL 1	Total Dissolved Solids	48.0	mg/L	96		50 - 150
	Method Blank 1	Total Dissolved Solids	ND	mg/L		< 0.1	
QC19010215	181227_40-02: Duplicate 1	Total Suspended Solids	3700.0	mg/L		1.6	0 - 10
	181227_46-02: Duplicate 2	Total Suspended Solids	376.0	mg/L		3.1	0 - 10



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QC Results

<u>QC Batch ID</u>	<u>QC ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Units</u>	<u>% Rec</u>	<u>% RPD</u>	<u>Control Limit</u>
	Method Blank 1	Total Suspended Solids	ND	mg/L		< 0.1	



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Sample Condition Upon Receipt

Order ID: 181228_27

Is there evidence of chilling?	<2hrs
*NOTE: Systems are encouraged but not required to hold samples <10°C (Microbiology) or <6°C (Chemistry) during transit.	
Did bottle arrive intact?	Yes
Did bottle labels agree with COC?	Yes
Adequate sample volume?	Yes
Sample preservative (HNO ₃ , NaOH, H ₂ SO ₄ , Na ₂ S ₂ O ₃ , HCl, Other)	#01,03 = 250mL preserved w/ HNO ₃ PS
Additional Comments	#03 = 1L amber preserved w/ HCl PS

191228-27

Monterey Bay Analytical Services Chain Of Custody / Analysis Request

4 Justin Ct. Suite D • Monterey, Ca 93940 • (831) 375-MBAS (6227) • (831) 641-0734 (Fax)



Client/Company Name: San Juan Bautista	Attention: Miles Farmer	Analysis Requested	
Billing Address:		Coliform (QT)	BOD
E-Mail Address(es): Service@cypresswaterservices.com			
Contract/P.O. #:		Phone# 831-594-2620	Fax #
Project/System Information: San Juan Bautista WWTP			
For Regulatory Compliance? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> For State or Local Health Department reporting: Electronic Data Transfer (EDT)? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Turn Around Time: STD (7-14 Days) <input checked="" type="checkbox"/> 48-Hour <input type="checkbox"/> 5-Day <input type="checkbox"/> 24-Hour <input checked="" type="checkbox"/>	

MBAS Lab #	Project ID or Source Code #	Sample Site / Description (Well Name, APN#, Address, Stormdrain #)	Sampling		Receiving Temp.	CL2 Residual	Coliform Analysis					# Cont.	Container		Coliform (QT)	BOD	TSS	CINa TDS DO Oil Grease	PS
			Date	Time			Routine	Other	Repeat	Special	Type		Size						
-01		Influent Composite	12/28/2018	1445	13.3						1	P	Var		✓	✓			
-02		Effluent Composite	12/28/2018								2	P	Var		✓	✓			
-03		Effluent Grab	12/28/2018								3	Var	Var	✓			✓		
-04		① influent Grab	12/28/18	1445	13.3						1	P	L					✓	

Printed Name	Signature	Date	Time	Comments or Special Instructions:
Farmer, Miles	<i>Miles Farmer</i>			① Per Miles on 12/28/18 influent Grab is a separate sample site.
Cypress Water Services	<i>Mason Weidner</i>	12/28/2018	1600	
Received by: <i>Dauline Seto</i>	<i>Dauline Seto</i>	12/28/18	1555	

<input type="checkbox"/> Payment received	Check #	Amount:	Receipt #	Date:
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