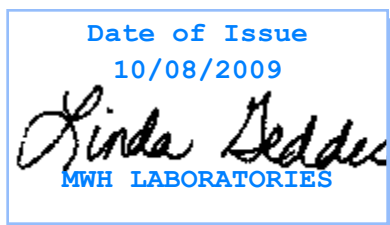


750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

Laboratory Report

for

City of Tracy
3900 Holly Drive
Tracy, CA 95376
Attention: Erich Delmas
Fax: 209-831-4484



LXG: Linda Geddes
Project Manager



Report#: 313973
Project: WASTEWATER
Group: GMMST22 + B

Laboratory certifies that the test results meet all **NELAC** requirements unless noted in the Comments section or the Case Narrative. Following the cover page are Hits Reports, Comments, QC Summary, QC Report and Regulatory Forms. This report shall not be reproduced except in full, without the written approval of the laboratory.

Acknowledgement of Samples Received

City of Tracy

3900 Holly Drive
Tracy, CA 95376
Attn: Erich Delmas
Phone: 209-831-4488

Customer Code: TRACY

Group #: 313973

Project #: WASTEWATER

Sample Group: GMMST22 + B

Project Manager: Linda Geddes

Phone: 626-386-1163

The following samples were received from you on **September 09, 2009**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample Id	Sample Date																								
200909090071	R-001	08-Sep-2009 1035																								
<table> <tr> <td>@ANIONS28</td><td>@ANIONS48</td><td>@ICP</td></tr> <tr> <td>@ICPMS</td><td>Agressiveness Index-Calculated</td><td>Alkalinity in CaCO3 units</td></tr> <tr> <td>Anion Sum - Calculated</td><td>Bicarb.Alkalinity as HCO3,calc</td><td>Carbon Dioxide,Free(25C)-Calc.</td></tr> <tr> <td>Carbonate as CO3, Calculated</td><td>Cation Sum - Calculated</td><td>Fluoride</td></tr> <tr> <td>Hydroxide as OH, Calculated</td><td>Langelier Index - 25 degree</td><td>Mercury</td></tr> <tr> <td>PH (H3=past HT not compliant)</td><td>pH of CaCO3 saturation(25C)</td><td>pH of CaCO3 saturation(60C)</td></tr> <tr> <td>Specific Conductance</td><td>Surfactants</td><td>Total Dissolved Solid (TDS)</td></tr> <tr> <td>Total Hardness as CaCO3 by ICP</td><td>Boron Total ICAP</td><td></td></tr> </table>			@ANIONS28	@ANIONS48	@ICP	@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units	Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.	Carbonate as CO3, Calculated	Cation Sum - Calculated	Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree	Mercury	PH (H3=past HT not compliant)	pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance	Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP	Boron Total ICAP	
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Total Hardness as CaCO3 by ICP	Boron Total ICAP																									
200909090072	R-002	08-Sep-2009 1015																								
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Specific Conductance	Surfactants	Total Dissolved Solid (TDS)																								
Total Hardness as CaCO3 by ICP	Boron Total ICAP																									
200909090073	R-003	08-Sep-2009 0955																								
<table> <tr> <td>@ANIONS28</td><td>@ANIONS48</td><td>@ICP</td></tr> <tr> <td>@ICPMS</td><td>Agressiveness Index-Calculated</td><td>Alkalinity in CaCO3 units</td></tr> <tr> <td>Anion Sum - Calculated</td><td>Bicarb.Alkalinity as HCO3,calc</td><td>Carbon Dioxide,Free(25C)-Calc.</td></tr> <tr> <td>Carbonate as CO3, Calculated</td><td>Cation Sum - Calculated</td><td>Fluoride</td></tr> <tr> <td>Hydroxide as OH, Calculated</td><td>Langelier Index - 25 degree</td><td>Mercury</td></tr> <tr> <td>PH (H3=past HT not compliant)</td><td>pH of CaCO3 saturation(25C)</td><td>pH of CaCO3 saturation(60C)</td></tr> <tr> <td>Specific Conductance</td><td>Surfactants</td><td>Total Dissolved Solid (TDS)</td></tr> <tr> <td>Total Hardness as CaCO3 by ICP</td><td>Boron Total ICAP</td><td></td></tr> </table>			@ANIONS28	@ANIONS48	@ICP	@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units	Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.	Carbonate as CO3, Calculated	Cation Sum - Calculated	Fluoride	Hydroxide as OH, Calculated	Langelier Index - 25 degree	Mercury	PH (H3=past HT not compliant)	pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	Specific Conductance	Surfactants	Total Dissolved Solid (TDS)	Total Hardness as CaCO3 by ICP	Boron Total ICAP	
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200909090074	R-005	08-Sep-2009 0915																								

**Acknowledgement of Samples Received****City of Tracy**

3900 Holly Drive
Tracy, CA 95376
Attn: Erich Delmas
Phone: 209-831-4488

Customer Code: TRACY

Group #: 313973

Project #: WASTEWATER

Sample Group: GMMST22 + B

Project Manager: Linda Geddes

Phone: 626-386-1163

The following samples were received from you on **September 09, 2009**. They have been scheduled for the tests listed below each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample #	Sample Id	Sample Date		
200909090075	@ANIONS28	@ANIONS48	@ICP	08-Sep-2009 0938
	@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units	
	Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.	
	Carbonate as CO3, Calculated	Cation Sum - Calculated	Fluoride	
	Hydroxide as OH, Calculated	Langelier Index - 25 degree	Mercury	
	PH (H3=past HT not compliant)	pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	
	Specific Conductance	Surfactants	Total Dissolved Solid (TDS)	
	Total Hardness as CaCO3 by ICP	Boron Total ICAP		
R-006	@ANIONS28	@ANIONS48	@ICP	
	@ICPMS	Agressiveness Index-Calculated	Alkalinity in CaCO3 units	
	Anion Sum - Calculated	Bicarb.Alkalinity as HCO3,calc	Carbon Dioxide,Free(25C)-Calc.	
	Carbonate as CO3, Calculated	Cation Sum - Calculated	Fluoride	
	Hydroxide as OH, Calculated	Langelier Index - 25 degree	Mercury	
	PH (H3=past HT not compliant)	pH of CaCO3 saturation(25C)	pH of CaCO3 saturation(60C)	
	Specific Conductance	Surfactants	Total Dissolved Solid (TDS)	
	Total Hardness as CaCO3 by ICP	Boron Total ICAP		

Test Description

@ANIONS28 -- Chloride, Sulfate by EPA 300.0

@ANIONS48 -- Nitrate, Nitrite by EPA 300.0

@ICP -- ICP Metals

@ICPMS -- ICPMS Metals



750 Royal Oaks Drive, Suite 100
Monrovia, California 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

313973

MWH LABS USE ONLY:

LOGIN COMMENTS:

SAMPLES CHECKED AGAINST COC BY:

SAMPLES LOGGED IN BY:

SAMPLE TEMP WHEN REC'D AT LAB: 2 (Compliance: 4 +/- 2°C)

SAMPLES REC'D DAY OF COLLECTION? ☐ (check for yes)

CONDITION OF BLUE ICE: FROZEN ☒ PARTIALLY FROZEN ☐ THAWED ☐

(check for yes)

(check for yes)

TO BE COMPLETED BY SAMPLER:

COMPANY, UTILITY or PROJECT:

SYSTEM #:

COMPLIANCE SAMPLES:

NON-COMPLIANCE SAMPLES

- Requires state forms

REGULATION INVOLVED:

Type of samples (circle one): ☐ ROUTINE ☒ SPECIAL ☐ CONFIRMATION

(eg. SDWA, Phase V, NPDES, FDA,...)

MWH LABS CLIENT CODE:

P.O.# / PROJECT JOB #:

SEE ATTACHED BOTTLE ORDER FOR ANALYSES ☒ (check for yes), OR

list ANALYSES REQUIRED (enter number of bottles sent for each test for each sample)

SAMPLER PRINTED NAME AND SIGNATURE:

TAT requested: rush by adv notice only

STD 1 wk 3 day 2 day 1 day

SAMPLER COMMENTS

[illegible]

*** MATRIX TYPES:**

RSW = Raw Surface Water
RGW = Raw Ground Water

CFW = Chlor(am)inated Finished Water
FW = Other Finished Water

CWW = Chlorinated Waste Water
WW = Other Waste Water

BW = Bottled Water
SW = Storm Water

SO = Soil
SL = Sludge

SIGNATURE

PRINT NAME _____

COMPANY/TITLE

DATE _____

TIME

RELINQUISHED BY:	<i>PA Sogases</i>	<i>PA Sogases</i>	<i>City of Tracy</i>	<i>9/8/9</i>	<i>1230</i>
RECEIVED BY:					
RELINQUISHED BY:	<i>AK</i>	<i>AK</i>	<i>AK</i>	<i>9/9</i>	<i>14:01</i>
RECEIVED BY:					

PAGE OF

C-O-C#



MWH Laboratories, a Division of MWH Americas, Inc.
750 Royal Oaks Drive Suite 100
Monrovia, CA 91016 (626) 386-1100 FAX (626) 386-1124

Bottle Order for City of Tracy

Page 1

Linda.Geddes Your MWHL Project Manager

BO #: 7616

Created By: LXG

Order Date: 07/27/2009

Bottle Orders

**Sampler: please return
this paper with your samples**

Client Code TRACY

Project Code WASTEWATER Bottle Orders

Group Name GMMST22 + B

PO# / Job# _____

Group#

Date Sampled

Date Received

Ship By:
06/26/2009

Ship Sample Kits to

City of Tracy
3900 Holly Drive
Tracy, CA 95376

Attn: Erich Delmas

Phone: 209-831-4488

Fax: 209-831-4484

Send Report to

City of Tracy
3900 Holly Drive
Tracy, CA 95376

Attn: Erich Delmas

Phone: 209-831-4488

Fax: 209-831-4484

Billing Address

City of Tracy
3900 Holly Drive
Tracy, CA 95376

Attn: Margie Goulart

Phone: 209-831-4488

Fax: 209-831-4484

# of Samples	Tests	Qteline#	Bottles - Qty for each sample, type & preservative if any	UN DOT #
--------------	-------	----------	---	----------

6	@ANIONS28, @ANIONS48, Alkalinity in CaCO3 units, Fluoride, PH (H3-test HT not compliant), Specific Conductance	1	125ml poly no preservative	
6	@ICP, @ICPMS, Mercury, Boron Total ICAP	1	250ml acid rinsed 1ml HNO3 (18%)	
6	Surfactants	1	500ml poly no preservative	
6	Total Dissolved Solid (TDS)	1	500ml poly TDS - no preservative	

Comments

Annual GMMST22 + B

Sites: M-001, R-001, R-002, R-003, R-005, R-006

Code

Status

Date Shipped

Via

Tracking #

of Coolers

Prepared By

750 Royal Oak Dr., Suite 100
Monrovia, California, 91016-3629
Tel: 626 386 1100
Fax: 626 386 1101
1 800 566 LABS (1 800 566 5227)

City of Tracy
Erich Delmas
3900 Holly Drive
Tracy, CA 95376

Flags Legend:

BG - Target analyte detected in method blank (MB) at or above the method acceptance limits, but below the method reporting limit (MRL). Sample concentration was 10 times above the concentration in MB.

LE - MRL Check recovery was above laboratory acceptance limits.

750 Royal Oak Dr., Suite 100
 Monrovia, California, 91016-3629
 Tel: 626 386 1100
 Fax: 626 386 1101
 1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
200909090071 R-001						
			12		None	0.1
09/16/2009	01:54	Alkalinity in CaCO3 units	120		mg/L	2
10/05/2009	13:18	Aluminum Total ICAP/MS	550	200	ug/L	40
		Anion Sum - Calculated	6.0		meq/L	0.001
09/23/2009	20:13	Arsenic Total ICAP/MS	2.5	10	ug/L	1
09/23/2009	20:13	Barium Total ICAP/MS	55	2000	ug/L	2
		Bicarb.Alkalinity as HCO3calc	140		mg/L	2
09/18/2009	15:12	Boron Total ICAP	0.25		mg/L	0.05
09/18/2009	15:12	Calcium Total ICAP	35		mg/L	1
		Carbon Dioxide,Free(25C)-Calc.	2.4		mg/L	2
		Cation Sum - Calculated	6.1		meq/L	0.001
09/10/2009	01:32	Chloride	87	250	mg/L	2
09/23/2009	20:13	Chromium Total ICAP/MS	1.8	100	ug/L	1
09/23/2009	20:13	Copper Total ICAP/MS	2.6	1300	ug/L	2
09/15/2009	12:11	Fluoride	0.077	4	mg/L	0.05
09/18/2009	15:12	Iron Total ICAP	1.2	0.3	mg/L	0.02
		Langelier Index - 25 degree	0.24		None	
09/23/2009	20:13	Lead Total ICAP/MS	0.51	15	ug/L	0.5
09/18/2009	15:12	Magnesium Total ICAP	17		mg/L	0.1
09/23/2009	20:13	Manganese Total ICAP/MS	120	50	ug/L	2
09/10/2009	01:32	Nitrate as Nitrogen by IC	0.81	10	mg/L	0.2
09/10/2009	01:32	Nitrate as NO3 (calc)	3.6	45	mg/L	0.88
09/15/2009	10:51	PH (H3=past HT not compliant)	8.0		Units	0.1
		pH of CaCO3 saturation(25C)	7.7		Units	0.1
		pH of CaCO3 saturation(60C)	7.3		Units	0.1
09/18/2009	15:12	Potassium Total ICAP	3.0		mg/L	1
09/18/2009	15:12	Sodium Total ICAP	65		mg/L	1
09/11/2009	11:44	Specific Conductance, 25 C	610		umho/cm	2
09/10/2009	01:32	Sulfate	56	250	mg/L	1
09/10/2009	09:39	Total Dissolved Solids (TDS)	320	500	mg/L	10
		Total Hardness as CaCO3 by ICP	160		mg/L	3
09/10/2009	01:32	Total Nitrate, Nitrite-N, CALC	0.81		mg/L	0.1
200909090072 R-002						
			12		None	0.1
09/21/2009	22:57	Alkalinity in CaCO3 units	110		mg/L	2
10/05/2009	13:21	Aluminum Total ICAP/MS	570	200	ug/L	40
		Anion Sum - Calculated	6.4		meq/L	0.001

7/32

SUMMARY OF POSITIVE DATA ONLY

750 Royal Oak Dr., Suite 100
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 1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/23/2009	20:17	Arsenic Total ICAP/MS	2.9	10	ug/L	1
09/23/2009	20:17	Barium Total ICAP/MS	57	2000	ug/L	2
		Bicarb.Alkalinity as HCO3calc	130		mg/L	2
09/18/2009	15:15	Boron Total ICAP	0.28		mg/L	0.05
09/18/2009	15:15	Calcium Total ICAP	37		mg/L	1
		Carbon Dioxide,Free(25C)-Calc.	2.2		mg/L	2
		Cation Sum - Calculated	6.6		meq/L	0.001
09/10/2009	01:59	Chloride	97	250	mg/L	2
09/23/2009	20:17	Chromium Total ICAP/MS	1.8	100	ug/L	1
09/23/2009	20:17	Copper Total ICAP/MS	2.8	1300	ug/L	2
09/15/2009	12:12	Fluoride	0.080	4	mg/L	0.05
09/18/2009	15:15	Iron Total ICAP	1.2	0.3	mg/L	0.02
		Langelier Index - 25 degree	0.25		None	
09/23/2009	20:17	Lead Total ICAP/MS	0.51	15	ug/L	0.5
09/18/2009	15:15	Magnesium Total ICAP	19		mg/L	0.1
09/23/2009	20:17	Manganese Total ICAP/MS	180	50	ug/L	2
09/10/2009	01:59	Nitrate as Nitrogen by IC	0.80	10	mg/L	0.2
09/10/2009	01:59	Nitrate as NO3 (calc)	3.5	45	mg/L	0.88
09/15/2009	10:55	PH (H3=past HT not compliant)	8.0		Units	0.1
		pH of CaCO3 saturation(25C)	7.7		Units	0.1
		pH of CaCO3 saturation(60C)	7.3		Units	0.1
09/18/2009	15:15	Potassium Total ICAP	3.2		mg/L	1
09/18/2009	20:05	Sodium Total ICAP	71		mg/L	1
09/11/2009	11:45	Specific Conductance, 25 C	630		umho/cm	2
09/10/2009	01:59	Sulfate	66	250	mg/L	1
09/10/2009	09:40	Total Dissolved Solids (TDS)	350	500	mg/L	10
		Total Hardness as CaCO3 by ICP	170		mg/L	3
09/10/2009	01:59	Total Nitrate, Nitrite-N, CALC	0.80		mg/L	0.1
200909090073 R-003						
		Agressiveness Index-Calculated	12		None	0.1
09/21/2009	23:05	Alkalinity in CaCO3 units	110		mg/L	2
10/05/2009	13:24	Aluminum Total ICAP/MS	710	200	ug/L	40
		Anion Sum - Calculated	6.1		meq/L	0.001
09/23/2009	20:38	Arsenic Total ICAP/MS	2.6	10	ug/L	1
09/23/2009	20:38	Barium Total ICAP/MS	56	2000	ug/L	2
		Bicarb.Alkalinity as HCO3calc	130		mg/L	2
09/18/2009	15:18	Boron Total ICAP	0.27		mg/L	0.05
09/18/2009	15:18	Calcium Total ICAP	34		mg/L	1

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Laboratory
Hits Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
	Carbon Dioxide,Free(25C)-Calc.		2.5		mg/L	2
	Cation Sum - Calculated		6.2		meq/L	0.001
09/10/2009	02:13 Chloride		92	250	mg/L	2
09/23/2009	20:38 Chromium Total ICAP/MS		2.2	100	ug/L	1
09/23/2009	20:38 Copper Total ICAP/MS		3.1	1300	ug/L	2
09/15/2009	12:13 Fluoride		0.082	4	mg/L	0.05
09/18/2009	15:18 Iron Total ICAP		1.3	0.3	mg/L	0.02
	Langelier Index - 25 degree		0.14		None	
09/23/2009	20:38 Lead Total ICAP/MS		0.58	15	ug/L	0.5
09/18/2009	15:18 Magnesium Total ICAP		17		mg/L	0.1
09/23/2009	20:38 Manganese Total ICAP/MS		200	50	ug/L	2
09/10/2009	02:13 Nitrate as Nitrogen by IC		0.90	10	mg/L	0.2
09/10/2009	02:13 Nitrate as NO3 (calc)		4.0	45	mg/L	0.88
09/15/2009	10:58 PH (H3=past HT not compliant)		7.9		Units	0.1
	pH of CaCO3 saturation(25C)		7.8		Units	0.1
	pH of CaCO3 saturation(60C)		7.3		Units	0.1
09/18/2009	15:18 Potassium Total ICAP		3.3		mg/L	1
09/18/2009	15:18 Sodium Total ICAP		69		mg/L	1
09/11/2009	11:47 Specific Conductance, 25 C		640		umho/cm	2
09/10/2009	02:13 Sulfate		61	250	mg/L	1
09/10/2009	09:41 Total Dissolved Solids (TDS)		370	500	mg/L	10
	Total Hardness as CaCO3 by ICP		160		mg/L	3
09/10/2009	02:13 Total Nitrate, Nitrite-N, CALC		0.90		mg/L	0.1
200909090074		R-005				
	Agressiveness Index-Calculated		12		None	0.1
09/21/2009	23:13 Alkalinity in CaCO3 units		130		mg/L	2
10/05/2009	13:27 Aluminum Total ICAP/MS		640	200	ug/L	40
	Anion Sum - Calculated		8.3		meq/L	0.001
09/23/2009	20:41 Arsenic Total ICAP/MS		3.6	10	ug/L	1
09/23/2009	20:41 Barium Total ICAP/MS		67	2000	ug/L	2
	Bicarb.Alkalinity as HCO3calc		160		mg/L	2
09/18/2009	15:22 Boron Total ICAP		0.39		mg/L	0.05
09/18/2009	15:22 Calcium Total ICAP		46		mg/L	1
	Carbon Dioxide,Free(25C)-Calc.		3.5		mg/L	2
	Cation Sum - Calculated		8.2		meq/L	0.001
09/14/2009	16:10 Chloride		130	250	mg/L	5
09/23/2009	20:41 Chromium Total ICAP/MS		2.0	100	ug/L	1
09/23/2009	20:41 Copper Total ICAP/MS		3.4	1300	ug/L	2

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 1 800 566 LABS (1 800 566 5227)

Laboratory
Hits Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/15/2009	12:16	Fluoride	0.11	4	mg/L	0.05
09/18/2009	15:22	Iron Total ICAP	1.2	0.3	mg/L	0.02
		Langelier Index - 25 degree	0.27		None	
09/23/2009	20:41	Lead Total ICAP/MS	0.56	15	ug/L	0.5
09/18/2009	15:22	Magnesium Total ICAP	23		mg/L	0.1
09/23/2009	20:41	Manganese Total ICAP/MS	270	50	ug/L	2
09/10/2009	00:51	Nitrate as Nitrogen by IC	0.78	10	mg/L	0.2
09/10/2009	00:51	Nitrate as NO3 (calc)	3.4	45	mg/L	0.88
09/15/2009	11:02	PH (H3=past HT not compliant)	7.9		Units	0.1
		pH of CaCO3 saturation(25C)	7.6		Units	0.1
		pH of CaCO3 saturation(60C)	7.2		Units	0.1
09/18/2009	15:22	Potassium Total ICAP	3.7		mg/L	1
09/18/2009	15:22	Sodium Total ICAP	90		mg/L	1
09/11/2009	11:48	Specific Conductance, 25 C	850		umho/cm	2
09/10/2009	00:51	Sulfate	92	250	mg/L	1
09/10/2009	11:30	Surfactants	0.11	0.5	mg/L	0.05
09/10/2009	09:42	Total Dissolved Solids (TDS)	500	500	mg/L	10
		Total Hardness as CaCO3 by ICP	210		mg/L	3
09/10/2009	00:51	Total Nitrate, Nitrite-N, CALC	0.78		mg/L	0.1
200909090075 R-006						
		Agressiveness Index-Calculated	12		None	0.1
09/21/2009	23:22	Alkalinity in CaCO3 units	110		mg/L	2
10/05/2009	13:30	Aluminum Total ICAP/MS	430	200	ug/L	40
		Anion Sum - Calculated	6.6		meq/L	0.001
09/23/2009	20:45	Arsenic Total ICAP/MS	2.8	10	ug/L	1
09/23/2009	20:45	Barium Total ICAP/MS	55	2000	ug/L	2
		Bicarb.Alkalinity as HCO3calc	140		mg/L	2
09/18/2009	15:08	Boron Total ICAP	0.31		mg/L	0.05
09/18/2009	15:08	Calcium Total ICAP	36		mg/L	1
		Carbon Dioxide,Free(25C)-Calc.	2.3		mg/L	2
		Cation Sum - Calculated	6.7		meq/L	0.001
09/10/2009	02:27	Chloride	100	250	mg/L	2
09/23/2009	20:45	Chromium Total ICAP/MS	1.6	100	ug/L	1
09/23/2009	20:45	Copper Total ICAP/MS	2.6	1300	ug/L	2
09/15/2009	12:17	Fluoride	0.089	4	mg/L	0.05
09/18/2009	15:08	Iron Total ICAP	0.23	0.3	mg/L	0.02
		Langelier Index - 25 degree	0.24		None	
09/18/2009	15:08	Magnesium Total ICAP	19		mg/L	0.1

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SUMMARY OF POSITIVE DATA ONLY

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Samples Received on:
 09/09/2009

Analyzed	Analyte	Sample ID	Result	Federal MCL	Units	MRL
09/23/2009	20:45	Manganese Total ICAP/MS	110	50	ug/L	2
09/10/2009	02:27	Nitrate as Nitrogen by IC	0.88	10	mg/L	0.2
09/10/2009	02:27	Nitrate as NO3 (calc)	3.9	45	mg/L	0.88
09/15/2009	11:06	PH (H3=past HT not compliant)	8.0		Units	0.1
		pH of CaCO3 saturation(25C)	7.7		Units	0.1
		pH of CaCO3 saturation(60C)	7.3		Units	0.1
09/18/2009	15:08	Potassium Total ICAP	3.5		mg/L	1
09/18/2009	15:08	Sodium Total ICAP	74		mg/L	1
09/11/2009	11:55	Specific Conductance, 25 C	690		umho/cm	2
09/10/2009	02:27	Sulfate	69	250	mg/L	1
09/10/2009	13:34	Total Dissolved Solids (TDS)	410	500	mg/L	10
		Total Hardness as CaCO3 by ICP	170		mg/L	3
09/10/2009	02:27	Total Nitrate, Nitrite-N, CALC	0.88		mg/L	0.1

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Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
<u>R-001 (200909090071)</u>					Sampled on 09/08/2009 1035			
SM 2330B - pH of CaCO3 saturation(60C)								
		(SM 2330B)		pH of CaCO3 saturation(60C)	7.3	Units	0.1	1
SM 2330B - Langelier Index - 25 degree								
		(SM 2330B)		Langelier Index - 25 degree	0.24	None		1
SM 1030E - Anion Sum - Calculated								
		(SM 1030E)		Anion Sum - Calculated	6.0	meq/L	0.001	1
SM 1030E - Cation Sum - Calculated								
		(SM 1030E)		Cation Sum - Calculated	6.1	meq/L	0.001	1
SM 2330B - pH of CaCO3 saturation(25C)								
		(SM 2330B)		pH of CaCO3 saturation(25C)	7.7	Units	0.1	1
SM 2330 - Agressiveness Index-Calculated								
		(SM 2330)		Agressiveness Index-Calculated	12	None	0.1	1
SM 2340B - Total Hardness as CaCO3 by ICP								
		(SM 2340B)		Total Hardness as CaCO3 by ICP	160	mg/L	3	1
EPA 200.8 - ICPMS Metals								
10/05/2009	13:18	526510	(EPA 200.8)	Aluminum Total ICAP/MS	550 (BG)	ug/L	40	2
09/23/2009	20:13	525310	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:13	525310	(EPA 200.8)	Arsenic Total ICAP/MS	2.5	ug/L	1	1
09/23/2009	20:13	525310	(EPA 200.8)	Barium Total ICAP/MS	55	ug/L	2	1
09/23/2009	20:13	525310	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:13	525310	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
09/23/2009	20:13	525310	(EPA 200.8)	Chromium Total ICAP/MS	1.8	ug/L	1	1
09/23/2009	20:13	525310	(EPA 200.8)	Copper Total ICAP/MS	2.6	ug/L	2	1
09/23/2009	20:13	525310	(EPA 200.8)	Lead Total ICAP/MS	0.51	ug/L	0.5	1
09/23/2009	20:13	525310	(EPA 200.8)	Manganese Total ICAP/MS	120	ug/L	2	1
09/23/2009	20:13	525310	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
09/23/2009	20:13	525310	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
09/24/2009	16:54	525493	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
09/23/2009	20:13	525310	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:13	525310	(EPA 200.8)	Zinc Total ICAP/MS	ND (LE)	ug/L	20	1
EPA 200.7 - ICP Metals								
09/18/2009	15:12	524656	(EPA 200.7)	Boron Total ICAP	0.25	mg/L	0.05	1
09/18/2009	15:12	524656	(EPA 200.7)	Calcium Total ICAP	35	mg/L	1	1
09/18/2009	15:12	524656	(EPA 200.7)	Iron Total ICAP	1.2	mg/L	0.02	1
09/18/2009	15:12	524656	(EPA 200.7)	Magnesium Total ICAP	17	mg/L	0.1	1

Rounding on totals after summation.
 (c) - indicates calculated results

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Laboratory Data
Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	09/18/2009	15:12	524656 (EPA 200.7)	Potassium Total ICAP	3.0	mg/L	1	1
	09/18/2009	15:12	524656 (EPA 200.7)	Sodium Total ICAP	65	mg/L	1	1
			EPA 245.1 - Mercury					
9/14/2009	09/15/2009	00:59	524093 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
			EPA 300.0 - Nitrate, Nitrite by EPA 300.0					
	09/10/2009	01:32	523344 (EPA 300.0)	Nitrate as Nitrogen by IC	0.81	mg/L	0.2	2
	09/10/2009	01:32	523344 (EPA 300.0)	Nitrate as NO3 (calc)	3.6	mg/L	0.88	2
	09/10/2009	01:32	523344 (EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.1	2
	09/10/2009	01:32	523344 (EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.81	mg/L	0.1	1
			EPA 300.0 - Chloride, Sulfate by EPA 300.0					
	09/10/2009	01:32	523351 (EPA 300.0)	Chloride	87	mg/L	2	2
	09/10/2009	01:32	523351 (EPA 300.0)	Sulfate	56	mg/L	1	2
			SM2330B - Hydroxide as OH, Calculated					
			(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
			SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.					
			(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	2.4	mg/L	2	1
			SM 4500F-C - Fluoride					
	09/15/2009	12:11	524101 (SM 4500F-C)	Fluoride	0.077	mg/L	0.05	1
			SM2330B - Carbonate as CO3, Calculated					
			(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1
			SM 2320B - Alkalinity in CaCO3 units					
	09/16/2009	01:54	524258 (SM 2320B)	Alkalinity in CaCO3 units	120	mg/L	2	1
			E160.1/SM2540C - Total Dissolved Solids (TDS)					
	09/10/2009	09:39	523688 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	320	mg/L	10	1
			SM4500-HB - PH (H3=past HT not compliant)					
	09/15/2009	10:51	523608 (SM4500-HB)	PH (H3=past HT not compliant)	8.0	Units	0.1	1
			SM 5540C/EPA 425.1 - Surfactants					
	09/10/2009	13:25	523434 (SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
			SM2330B - Bicarb.Alkalinity as HCO3,calc					
			(SM2330B)	Bicarb.Alkalinity as HCO3calc	140	mg/L	2	1
			SM2510B - Specific Conductance					
	09/11/2009	11:44	523669 (SM2510B)	Specific Conductance, 25 C	610	umho/cm	2	1

R-002 (200909090072)

Sampled on 09/08/2009 1015

SM 2330B - pH of CaCO3 saturation(60C)								
			(SM 2330B)	pH of CaCO3 saturation(60C)	7.3	Units	0.1	1
SM 2330B - Langelier Index - 25 degree								
			(SM 2330B)	Langelier Index - 25 degree	0.25	None		1

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Rounding on totals after summation.
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Laboratory Data
Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
SM 1030E - Anion Sum - Calculated								
			(SM 1030E)	Anion Sum - Calculated	6.4	meq/L	0.001	1
SM 1030E - Cation Sum - Calculated								
			(SM 1030E)	Cation Sum - Calculated	6.6	meq/L	0.001	1
SM 2330B - pH of CaCO₃ saturation(25C)								
			(SM 2330B)	pH of CaCO ₃ saturation(25C)	7.7	Units	0.1	1
SM 2330 - Agressiveness Index-Calculated								
			(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
SM 2340B - Total Hardness as CaCO₃ by ICP								
			(SM 2340B)	Total Hardness as CaCO ₃ by ICP	170	mg/L	3	1
EPA 200.8 - ICPMS Metals								
10/05/2009	13:21	526510	(EPA 200.8)	Aluminum Total ICAP/MS	570 (BG)	ug/L	40	2
09/23/2009	20:17	525310	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:17	525310	(EPA 200.8)	Arsenic Total ICAP/MS	2.9	ug/L	1	1
09/23/2009	20:17	525310	(EPA 200.8)	Barium Total ICAP/MS	57	ug/L	2	1
09/23/2009	20:17	525310	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:17	525310	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
09/23/2009	20:17	525310	(EPA 200.8)	Chromium Total ICAP/MS	1.8	ug/L	1	1
09/23/2009	20:17	525310	(EPA 200.8)	Copper Total ICAP/MS	2.8	ug/L	2	1
09/23/2009	20:17	525310	(EPA 200.8)	Lead Total ICAP/MS	0.51	ug/L	0.5	1
09/23/2009	20:17	525310	(EPA 200.8)	Manganese Total ICAP/MS	180	ug/L	2	1
09/23/2009	20:17	525310	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
09/23/2009	20:17	525310	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
09/24/2009	16:57	525493	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
09/23/2009	20:17	525310	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:17	525310	(EPA 200.8)	Zinc Total ICAP/MS	ND (LE)	ug/L	20	1
EPA 200.7 - ICP Metals								
09/18/2009	15:15	524656	(EPA 200.7)	Boron Total ICAP	0.28	mg/L	0.05	1
09/18/2009	15:15	524656	(EPA 200.7)	Calcium Total ICAP	37	mg/L	1	1
09/18/2009	15:15	524656	(EPA 200.7)	Iron Total ICAP	1.2	mg/L	0.02	1
09/18/2009	15:15	524656	(EPA 200.7)	Magnesium Total ICAP	19	mg/L	0.1	1
09/18/2009	15:15	524656	(EPA 200.7)	Potassium Total ICAP	3.2	mg/L	1	1
09/18/2009	20:05	524656	(EPA 200.7)	Sodium Total ICAP	71	mg/L	1	1
EPA 245.1 - Mercury								
9/14/2009	09/15/2009	01:00	524093 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 300.0 - Nitrate, Nitrite by EPA 300.0								
09/10/2009	01:59	523344	(EPA 300.0)	Nitrate as Nitrogen by IC	0.80	mg/L	0.2	2

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Report: 313973

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Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
09/10/2009	01:59	523344	(EPA 300.0)	Nitrate as NO3 (calc)	3.5	mg/L	0.88	2
09/10/2009	01:59	523344	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.1	2
09/10/2009	01:59	523344	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.80	mg/L	0.1	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
09/10/2009	01:59	523351	(EPA 300.0)	Chloride	97	mg/L	2	2
09/10/2009	01:59	523351	(EPA 300.0)	Sulfate	66	mg/L	1	2
SM2330B - Hydroxide as OH, Calculated								
			(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.								
			(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	2.2	mg/L	2	1
SM 4500F-C - Fluoride								
09/15/2009	12:12	524101	(SM 4500F-C)	Fluoride	0.080	mg/L	0.05	1
SM2330B - Carbonate as CO3, Calculated								
			(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1
SM 2320B - Alkalinity in CaCO3 units								
09/21/2009	22:57	524999	(SM 2320B)	Alkalinity in CaCO3 units	110	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
09/10/2009	09:40	523688	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	350	mg/L	10	1
SM4500-HB - PH (H3=past HT not compliant)								
09/15/2009	10:55	523608	(SM4500-HB)	PH (H3=past HT not compliant)	8.0	Units	0.1	1
SM 5540C/EPA 425.1 - Surfactants								
09/10/2009	13:20	523434	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
SM2330B - Bicarb.Alkalinity as HCO3,calc								
			(SM2330B)	Bicarb.Alkalinity as HCO3calc	130	mg/L	2	1
SM2510B - Specific Conductance								
09/11/2009	11:45	523669	(SM2510B)	Specific Conductance, 25 C	630	umho/cm	2	1

R-003 (200909090073)

Sampled on 09/08/2009 0955

SM 2330B - pH of CaCO3 saturation(60C)								
			(SM 2330B)	pH of CaCO3 saturation(60C)	7.3	Units	0.1	1
SM 2330B - Langelier Index - 25 degree								
			(SM 2330B)	Langelier Index - 25 degree	0.14	None		1
SM 1030E - Anion Sum - Calculated								
			(SM 1030E)	Anion Sum - Calculated	6.1	meq/L	0.001	1
SM 1030E - Cation Sum - Calculated								
			(SM 1030E)	Cation Sum - Calculated	6.2	meq/L	0.001	1
SM 2330B - pH of CaCO3 saturation(25C)								
			(SM 2330B)	pH of CaCO3 saturation(25C)	7.8	Units	0.1	1

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Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution	
SM 2330 - Agressiveness Index-Calculated									
		(SM 2330)		Agressiveness Index-Calculated	12	None	0.1	1	
SM 2340B - Total Hardness as CaCO3 by ICP									
		(SM 2340B)		Total Hardness as CaCO3 by ICP	160	mg/L	3	1	
EPA 200.8 - ICPMS Metals									
10/05/2009	13:24	526510	(EPA 200.8)	Aluminum Total ICAP/MS	710 (BG)	ug/L	40	2	
09/23/2009	20:38	525310	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1	
09/23/2009	20:38	525310	(EPA 200.8)	Arsenic Total ICAP/MS	2.6	ug/L	1	1	
09/23/2009	20:38	525310	(EPA 200.8)	Barium Total ICAP/MS	56	ug/L	2	1	
09/23/2009	20:38	525310	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1	
09/23/2009	20:38	525310	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1	
09/23/2009	20:38	525310	(EPA 200.8)	Chromium Total ICAP/MS	2.2	ug/L	1	1	
09/23/2009	20:38	525310	(EPA 200.8)	Copper Total ICAP/MS	3.1	ug/L	2	1	
09/23/2009	20:38	525310	(EPA 200.8)	Lead Total ICAP/MS	0.58	ug/L	0.5	1	
09/23/2009	20:38	525310	(EPA 200.8)	Manganese Total ICAP/MS	200	ug/L	2	1	
09/23/2009	20:38	525310	(EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1	
09/23/2009	20:38	525310	(EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1	
09/24/2009	17:06	525493	(EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1	
09/23/2009	20:38	525310	(EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1	
09/23/2009	20:38	525310	(EPA 200.8)	Zinc Total ICAP/MS	ND (LE)	ug/L	20	1	
EPA 200.7 - ICP Metals									
09/18/2009	15:18	524656	(EPA 200.7)	Boron Total ICAP	0.27	mg/L	0.05	1	
09/18/2009	15:18	524656	(EPA 200.7)	Calcium Total ICAP	34	mg/L	1	1	
09/18/2009	15:18	524656	(EPA 200.7)	Iron Total ICAP	1.3	mg/L	0.02	1	
09/18/2009	15:18	524656	(EPA 200.7)	Magnesium Total ICAP	17	mg/L	0.1	1	
09/18/2009	15:18	524656	(EPA 200.7)	Potassium Total ICAP	3.3	mg/L	1	1	
09/18/2009	15:18	524656	(EPA 200.7)	Sodium Total ICAP	69	mg/L	1	1	
EPA 245.1 - Mercury									
9/14/2009	09/15/2009	01:02	524093	(EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 300.0 - Nitrate, Nitrite by EPA 300.0									
09/10/2009	02:13	523344	(EPA 300.0)	Nitrate as Nitrogen by IC	0.90	mg/L	0.2	2	
09/10/2009	02:13	523344	(EPA 300.0)	Nitrate as NO3 (calc)	4.0	mg/L	0.88	2	
09/10/2009	02:13	523344	(EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.1	2	
09/10/2009	02:13	523344	(EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.90	mg/L	0.1	1	
EPA 300.0 - Chloride, Sulfate by EPA 300.0									
09/10/2009	02:13	523351	(EPA 300.0)	Chloride	92	mg/L	2	2	
09/10/2009	02:13	523351	(EPA 300.0)	Sulfate	61	mg/L	1	2	

Rounding on totals after summation.
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Laboratory Data
Report: 313973

City of Tracy
 Erich Delmas
 3900 Holly Drive
 Tracy, CA 95376

Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
SM2330B - Hydroxide as OH, Calculated								
			(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.								
			(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	2.5	mg/L	2	1
SM 4500F-C - Fluoride								
09/15/2009	12:13	524101	(SM 4500F-C)	Fluoride	0.082	mg/L	0.05	1
SM2330B - Carbonate as CO3, Calculated								
			(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1
SM 2320B - Alkalinity in CaCO3 units								
09/21/2009	23:05	524999	(SM 2320B)	Alkalinity in CaCO3 units	110	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
09/10/2009	09:41	523688	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	370	mg/L	10	1
SM4500-HB - PH (H3=past HT not compliant)								
09/15/2009	10:58	523608	(SM4500-HB)	PH (H3=past HT not compliant)	7.9	Units	0.1	1
SM 5540C/EPA 425.1 - Surfactants								
09/10/2009	13:15	523434	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
SM2330B - Bicarb.Alkalinity as HCO3,calc								
			(SM2330B)	Bicarb.Alkalinity as HCO3calc	130	mg/L	2	1
SM2510B - Specific Conductance								
09/11/2009	11:47	523669	(SM2510B)	Specific Conductance, 25 C	640	umho/cm	2	1
R-005 (200909090074)					Sampled on 09/08/2009 0915			
SM 2330B - pH of CaCO3 saturation(60C)								
			(SM 2330B)	pH of CaCO3 saturation(60C)	7.2	Units	0.1	1
SM 2330B - Langelier Index - 25 degree								
			(SM 2330B)	Langelier Index - 25 degree	0.27	None		1
SM 1030E - Anion Sum - Calculated								
			(SM 1030E)	Anion Sum - Calculated	8.3	meq/L	0.001	1
SM 1030E - Cation Sum - Calculated								
			(SM 1030E)	Cation Sum - Calculated	8.2	meq/L	0.001	1
SM 2330B - pH of CaCO3 saturation(25C)								
			(SM 2330B)	pH of CaCO3 saturation(25C)	7.6	Units	0.1	1
SM 2330 - Agressiveness Index-Calculated								
			(SM 2330)	Agressiveness Index-Calculated	12	None	0.1	1
SM 2340B - Total Hardness as CaCO3 by ICP								
			(SM 2340B)	Total Hardness as CaCO3 by ICP	210	mg/L	3	1
EPA 200.8 - ICPMS Metals								
10/05/2009	13:27	526510	(EPA 200.8)	Aluminum Total ICAP/MS	640 (BG)	ug/L	40	2

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Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	09/23/2009	20:41	525310 (EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
	09/23/2009	20:41	525310 (EPA 200.8)	Arsenic Total ICAP/MS	3.6	ug/L	1	1
	09/23/2009	20:41	525310 (EPA 200.8)	Barium Total ICAP/MS	67	ug/L	2	1
	09/23/2009	20:41	525310 (EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
	09/23/2009	20:41	525310 (EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
	09/23/2009	20:41	525310 (EPA 200.8)	Chromium Total ICAP/MS	2.0	ug/L	1	1
	09/23/2009	20:41	525310 (EPA 200.8)	Copper Total ICAP/MS	3.4	ug/L	2	1
	09/23/2009	20:41	525310 (EPA 200.8)	Lead Total ICAP/MS	0.56	ug/L	0.5	1
	09/23/2009	20:41	525310 (EPA 200.8)	Manganese Total ICAP/MS	270	ug/L	2	1
	09/23/2009	20:41	525310 (EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
	09/23/2009	20:41	525310 (EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
	09/24/2009	17:09	525493 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
	09/23/2009	20:41	525310 (EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
	09/23/2009	20:41	525310 (EPA 200.8)	Zinc Total ICAP/MS	ND (LE)	ug/L	20	1
EPA 200.7 - ICP Metals								
	09/18/2009	15:22	524656 (EPA 200.7)	Boron Total ICAP	0.39	mg/L	0.05	1
	09/18/2009	15:22	524656 (EPA 200.7)	Calcium Total ICAP	46	mg/L	1	1
	09/18/2009	15:22	524656 (EPA 200.7)	Iron Total ICAP	1.2	mg/L	0.02	1
	09/18/2009	15:22	524656 (EPA 200.7)	Magnesium Total ICAP	23	mg/L	0.1	1
	09/18/2009	15:22	524656 (EPA 200.7)	Potassium Total ICAP	3.7	mg/L	1	1
	09/18/2009	15:22	524656 (EPA 200.7)	Sodium Total ICAP	90	mg/L	1	1
EPA 245.1 - Mercury								
9/14/2009	09/15/2009	01:03	524093 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
EPA 300.0 - Nitrate, Nitrite by EPA 300.0								
	09/10/2009	00:51	523344 (EPA 300.0)	Nitrate as Nitrogen by IC	0.78	mg/L	0.2	2
	09/10/2009	00:51	523344 (EPA 300.0)	Nitrate as NO3 (calc)	3.4	mg/L	0.88	2
	09/10/2009	00:51	523344 (EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.1	2
	09/10/2009	00:51	523344 (EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.78	mg/L	0.1	1
EPA 300.0 - Chloride, Sulfate by EPA 300.0								
	09/14/2009	16:10	523799 (EPA 300.0)	Chloride	130	mg/L	5	5
	09/10/2009	00:51	523351 (EPA 300.0)	Sulfate	92	mg/L	1	2
SM2330B - Hydroxide as OH, Calculated								
			(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.								
			(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	3.5	mg/L	2	1
SM 4500F-C - Fluoride								
	09/15/2009	12:16	524101 (SM 4500F-C)	Fluoride	0.11	mg/L	0.05	1

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City of Tracy
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Samples Received on:
 09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
SM2330B - Carbonate as CO₃, Calculated								
			(SM2330B)	Carbonate as CO ₃ , Calculated	ND	mg/L	2	1
SM 2320B - Alkalinity in CaCO₃ units								
09/21/2009	23:13	524999	(SM 2320B)	Alkalinity in CaCO ₃ units	130	mg/L	2	1
E160.1/SM2540C - Total Dissolved Solids (TDS)								
09/10/2009	09:42	523688	(E160.1/SM2540C)	Total Dissolved Solids (TDS)	500	mg/L	10	1
SM4500-HB - PH (H3=past HT not compliant)								
09/15/2009	11:02	523608	(SM4500-HB)	PH (H3=past HT not compliant)	7.9	Units	0.1	1
SM 5540C/EPA 425.1 - Surfactants								
09/10/2009	11:30	523426	(SM 5540C/EPA 425.1)	Surfactants	0.11	mg/L	0.05	1
SM2330B - Bicarb.Alkalinity as HCO₃,calc								
			(SM2330B)	Bicarb.Alkalinity as HCO ₃ calc	160	mg/L	2	1
SM2510B - Specific Conductance								
09/11/2009	11:48	523669	(SM2510B)	Specific Conductance, 25 C	850	umho/cm	2	1

R-006 (200909090075)

Sampled on 09/08/2009 0938

SM 2330B - pH of CaCO₃ saturation(60C)

(SM 2330B)	pH of CaCO ₃ saturation(60C)	7.3	Units	0.1	1
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SM 2330B - Langelier Index - 25 degree

(SM 2330B)	Langelier Index - 25 degree	0.24	None		1
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SM 1030E - Anion Sum - Calculated

(SM 1030E)	Anion Sum - Calculated	6.6	meq/L	0.001	1
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SM 1030E - Cation Sum - Calculated

(SM 1030E)	Cation Sum - Calculated	6.7	meq/L	0.001	1
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SM 2330B - pH of CaCO₃ saturation(25C)

(SM 2330B)	pH of CaCO ₃ saturation(25C)	7.7	Units	0.1	1
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SM 2330 - Aggressiveness Index-Calculated

(SM 2330)	Aggressiveness Index-Calculated	12	None	0.1	1
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SM 2340B - Total Hardness as CaCO₃ by ICP

(SM 2340B)	Total Hardness as CaCO ₃ by ICP	170	mg/L	3	1
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EPA 200.8 - ICPMS Metals

10/05/2009	13:30	526510	(EPA 200.8)	Aluminum Total ICAP/MS	430 (BG)	ug/L	40	2
09/23/2009	20:45	525310	(EPA 200.8)	Antimony Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:45	525310	(EPA 200.8)	Arsenic Total ICAP/MS	2.8	ug/L	1	1
09/23/2009	20:45	525310	(EPA 200.8)	Barium Total ICAP/MS	55	ug/L	2	1
09/23/2009	20:45	525310	(EPA 200.8)	Beryllium Total ICAP/MS	ND	ug/L	1	1
09/23/2009	20:45	525310	(EPA 200.8)	Cadmium Total ICAP/MS	ND	ug/L	0.5	1
09/23/2009	20:45	525310	(EPA 200.8)	Chromium Total ICAP/MS	1.6	ug/L	1	1

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Samples Received on:
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Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
	09/23/2009	20:45	525310 (EPA 200.8)	Copper Total ICAP/MS	2.6	ug/L	2	1
	09/23/2009	20:45	525310 (EPA 200.8)	Lead Total ICAP/MS	ND	ug/L	0.5	1
	09/23/2009	20:45	525310 (EPA 200.8)	Manganese Total ICAP/MS	110	ug/L	2	1
	09/23/2009	20:45	525310 (EPA 200.8)	Nickel Total ICAP/MS	ND	ug/L	5	1
	09/23/2009	20:45	525310 (EPA 200.8)	Selenium Total ICAP/MS	ND	ug/L	5	1
	09/24/2009	17:16	525493 (EPA 200.8)	Silver Total ICAP/MS	ND	ug/L	0.5	1
	09/23/2009	20:45	525310 (EPA 200.8)	Thallium Total ICAP/MS	ND	ug/L	1	1
	09/23/2009	20:45	525310 (EPA 200.8)	Zinc Total ICAP/MS	ND (LE)	ug/L	20	1
	EPA 200.7 - ICP Metals							
	09/18/2009	15:08	524656 (EPA 200.7)	Boron Total ICAP	0.31	mg/L	0.05	1
	09/18/2009	15:08	524656 (EPA 200.7)	Calcium Total ICAP	36	mg/L	1	1
	09/18/2009	15:08	524656 (EPA 200.7)	Iron Total ICAP	0.23	mg/L	0.02	1
	09/18/2009	15:08	524656 (EPA 200.7)	Magnesium Total ICAP	19	mg/L	0.1	1
	09/18/2009	15:08	524656 (EPA 200.7)	Potassium Total ICAP	3.5	mg/L	1	1
	09/18/2009	15:08	524656 (EPA 200.7)	Sodium Total ICAP	74	mg/L	1	1
	EPA 245.1 - Mercury							
9/14/2009	09/15/2009	01:23	524096 (EPA 245.1)	Mercury	ND	ug/L	0.2	1
	EPA 300.0 - Nitrate, Nitrite by EPA 300.0							
	09/10/2009	02:27	523344 (EPA 300.0)	Nitrate as Nitrogen by IC	0.88	mg/L	0.2	2
	09/10/2009	02:27	523344 (EPA 300.0)	Nitrate as NO3 (calc)	3.9	mg/L	0.88	2
	09/10/2009	02:27	523344 (EPA 300.0)	Nitrite Nitrogen by IC	ND	mg/L	0.1	2
	09/10/2009	02:27	523344 (EPA 300.0)	Total Nitrate, Nitrite-N, CALC	0.88	mg/L	0.1	1
	EPA 300.0 - Chloride, Sulfate by EPA 300.0							
	09/10/2009	02:27	523351 (EPA 300.0)	Chloride	100	mg/L	2	2
	09/10/2009	02:27	523351 (EPA 300.0)	Sulfate	69	mg/L	1	2
	SM2330B - Hydroxide as OH, Calculated							
			(SM2330B)	Hydroxide as OH Calculated	ND	mg/L	2	1
	SM4500-CO2-D - Carbon Dioxide,Free(25C)-Calc.							
			(SM4500-CO2-D)	Carbon Dioxide,Free(25C)-Calc.	2.3	mg/L	2	1
	SM 4500F-C - Fluoride							
	09/15/2009	12:17	524101 (SM 4500F-C)	Fluoride	0.089	mg/L	0.05	1
	SM2330B - Carbonate as CO3, Calculated							
			(SM2330B)	Carbonate as CO3, Calculated	ND	mg/L	2	1
	SM 2320B - Alkalinity in CaCO3 units							
	09/21/2009	23:22	524999 (SM 2320B)	Alkalinity in CaCO3 units	110	mg/L	2	1
	E160.1/SM2540C - Total Dissolved Solids (TDS)							
9/10/2009	09/10/2009	13:34	523735 (E160.1/SM2540C)	Total Dissolved Solids (TDS)	410	mg/L	10	1



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Laboratory Data
Report: 313973

City of Tracy
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Samples Received on:
09/09/2009

Prepared	Analyzed	QC Ref #	Method	Analyte	Result	Units	MRL	Dilution
SM4500-HB - PH (H3=past HT not compliant)								
09/15/2009	11:06	523608	(SM4500-HB)	PH (H3=past HT not compliant)	8.0	Units	0.1	1
SM 5540C/EPA 425.1 - Surfactants								
09/10/2009	12:45	523434	(SM 5540C/EPA 425.1)	Surfactants	ND	mg/L	0.05	1
SM2330B - Bicarb.Alkalinity as HCO₃,calc								
			(SM2330B)	Bicarb.Alkalinity as HCO ₃ calc	140	mg/L	2	1
SM2510B - Specific Conductance								
09/11/2009	11:55	523669	(SM2510B)	Specific Conductance, 25 C	690	umho/cm	2	1

City of Tracy

QC Ref # 523344 - Nitrate, Nitrite by EPA 300.0

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090074	R-005
200909090075	R-006

Analysis Date: 09/10/2009

 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX

QC Ref # 523351 - Chloride, Sulfate by EPA 300.0

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090074	R-005
200909090075	R-006

Analysis Date: 09/10/2009

 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX
 Analyzed by: SXX

QC Ref # 523426 - Surfactants

200909090074	R-005
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Analysis Date: 09/10/2009

Analyzed by: ANH

QC Ref # 523434 - Surfactants

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090075	R-006

Analysis Date: 09/10/2009

 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR

QC Ref # 523608 - PH (H3=past HT not compliant)

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090074	R-005
200909090075	R-006

Analysis Date: 09/15/2009

 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR

QC Ref # 523669 - Specific Conductance

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090074	R-005
200909090075	R-006

Analysis Date: 09/11/2009

 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR
 Analyzed by: SAR

QC Ref # 523688 - Total Dissolved Solids (TDS)

200909090071	R-001
200909090072	R-002
200909090073	R-003
200909090074	R-005

Analysis Date: 09/10/2009

 Analyzed by: AAO
 Analyzed by: AAO
 Analyzed by: AAO
 Analyzed by: AAO

QC Ref # 523735 - Total Dissolved Solids (TDS)

200909090075	R-006
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Analysis Date: 09/10/2009

Analyzed by: AAO

QC Ref # 523799 - Chloride, Sulfate by EPA 300.0

200909090074	R-005
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Analysis Date: 09/14/2009

Analyzed by: SXX

QC Ref # 524093 - Mercury

200909090071	R-001
200909090072	R-002
200909090073	R-003

Analysis Date: 09/15/2009

 Analyzed by: CSK
 Analyzed by: CSK
 Analyzed by: CSK

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City of Tracy

(continued)

200909090074	R-005	Analyzed by: CSK
QC Ref # 524096 - Mercury		Analysis Date: 09/15/2009
200909090075	R-006	Analyzed by: CSK
QC Ref # 524101 - Fluoride		Analysis Date: 09/15/2009
200909090071	R-001	Analyzed by: YXP
200909090072	R-002	Analyzed by: YXP
200909090073	R-003	Analyzed by: YXP
200909090074	R-005	Analyzed by: YXP
200909090075	R-006	Analyzed by: YXP
QC Ref # 524258 - Alkalinity in CaCO3 units		Analysis Date: 09/16/2009
200909090071	R-001	Analyzed by: MCE
QC Ref # 524656 - ICP Metals		Analysis Date: 09/18/2009
200909090071	R-001	Analyzed by: VXT
200909090072	R-002	Analyzed by: VXT
200909090072	R-002	Analyzed by: VXT
200909090073	R-003	Analyzed by: VXT
200909090074	R-005	Analyzed by: VXT
200909090075	R-006	Analyzed by: VXT
QC Ref # 524999 - Alkalinity in CaCO3 units		Analysis Date: 09/21/2009
200909090072	R-002	Analyzed by: MCE
200909090073	R-003	Analyzed by: MCE
200909090074	R-005	Analyzed by: MCE
200909090075	R-006	Analyzed by: MCE
QC Ref # 525310 - ICPMS Metals		Analysis Date: 09/23/2009
200909090071	R-001	Analyzed by: LUPE
200909090072	R-002	Analyzed by: LUPE
200909090073	R-003	Analyzed by: LUPE
200909090074	R-005	Analyzed by: LUPE
200909090075	R-006	Analyzed by: LUPE
QC Ref # 525493 - ICPMS Metals		Analysis Date: 09/24/2009
200909090071	R-001	Analyzed by: LUPE
200909090072	R-002	Analyzed by: LUPE
200909090073	R-003	Analyzed by: LUPE
200909090074	R-005	Analyzed by: LUPE
200909090075	R-006	Analyzed by: LUPE
QC Ref # 526510 - ICPMS Metals		Analysis Date: 10/05/2009
200909090071	R-001	Analyzed by: NINA
200909090072	R-002	Analyzed by: NINA
200909090073	R-003	Analyzed by: NINA
200909090074	R-005	Analyzed by: NINA
200909090075	R-006	Analyzed by: NINA

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QC Report: 313973

City of Tracy

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 523344 - Nitrate, Nitrite by EPA 300.0 by EPA 300.0					Analysis Date: 09/09/2009				
LCS1	Nitrate as Nitrogen by IC		2.5	2.44	mg/L	98	(90-110)		
LCS2	Nitrate as Nitrogen by IC		2.5	2.45	mg/L	98	(90-110)	20	0.41
MBLK	Nitrate as Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrate as Nitrogen by IC		0.05	0.0486	mg/L	97	(50-150)		
MS_200909090071	Nitrate as Nitrogen by IC	0.81	1.3	3.39	mg/L	103	(90-110)		
MS_200909090459	Nitrate as Nitrogen by IC	4.1	1.3	6.71	mg/L	105	(90-110)		
MSD_200909090459	Nitrate as Nitrogen by IC	4.1	1.3	6.73	mg/L	105	(90-110)	20	0.0
LCS1	Nitrite Nitrogen by IC		1.0	0.958	mg/L	96	(90-110)		
LCS2	Nitrite Nitrogen by IC		1.0	0.961	mg/L	96	(90-110)	20	0.31
MBLK	Nitrite Nitrogen by IC			<0.10	mg/L				
MRL_CHK	Nitrite Nitrogen by IC		0.05	0.0467	mg/L	93	(50-150)		
MS_200909090071	Nitrite Nitrogen by IC	ND	0.5	1.02	mg/L	100	(90-110)		
MS_200909090459	Nitrite Nitrogen by IC		0.5	0.926	mg/L	93	(90-110)		
MSD_200909090459	Nitrite Nitrogen by IC		0.5	0.938	mg/L	94	(90-110)	20	1.3
QC Ref# 523351 - Chloride, Sulfate by EPA 300.0 by EPA 300.0					Analysis Date: 09/09/2009				
LCS1	Chloride		25	25.0	mg/L	100	(90-110)		
LCS2	Chloride		25	25.1	mg/L	101	(90-110)	20	0.40
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.432	mg/L	87	(50-150)		
MS_200909090071	Chloride	87	13	110	mg/L	90	(90-110)		
MS_200909100214	Chloride	100	13	124	mg/L	90	(90-110)		
MSD_200909100214	Chloride	100	13	124	mg/L	91	(90-110)	10	1.1
LCS1	Sulfate		50	49.5	mg/L	99	(90-110)		
LCS2	Sulfate		50	49.7	mg/L	100	(90-110)	20	0.40
MBLK	Sulfate			<1.0	mg/L				
MRL_CHK	Sulfate		1.0	0.969	mg/L	97	(50-150)		
MRLLW	Sulfate		0.25	0.282	mg/L	113	(50-150)		
MS_200909090071	Sulfate	56	25	109	mg/L	105	(90-110)		
MS_200909100214	Sulfate	ND	25	51.1	mg/L	101	(90-110)		
MSD_200909100214	Sulfate	ND	25	51.3	mg/L	102	(90-110)	10	0.99
QC Ref# 523426 - Surfactants by SM 5540C/EPA 425.1					Analysis Date: 09/10/2009				
LCS1	Surfactants		0.2	0.181	mg/L	91	(90-110)		
LCS2	Surfactants		0.2	0.190	mg/L	95	(90-110)	10	4.8
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0594	mg/L	119	(50-150)		
MS_200909080039	Surfactants	0.080	0.2	0.276	mg/L	98	(80-120)		
MSD_200909080039	Surfactants	0.080	0.2	0.288	mg/L	104	(80-120)	20	6.3

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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Laboratory
QC Report: 313973

City of Tracy
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
QC Ref# 523434 - Surfactants by SM 5540C/EPA 425.1					Analysis Date: 09/10/2009				
LCS1	Surfactants		0.2	0.188	mg/L	94	(90-110)		
LCS2	Surfactants		0.2	0.185	mg/L	93	(90-110)	10	1.6
MBLK	Surfactants			<0.05	mg/L				
MRL_CHK	Surfactants		0.05	0.0573	mg/L	115	(50-150)		
MS_200909090075	Surfactants	ND	0.2	0.238	mg/L	99	(80-120)		
MSD_200909090075	Surfactants	ND	0.2	0.242	mg/L	101	(80-120)	20	2.3
QC Ref# 523608 - PH (H3=past HT not compliant) by SM4500-HB					Analysis Date: 09/15/2009				
DUP1_200909090587	PH (H3=past HT not compliant)	8.3		8.26	Units		(0-20)	20	0.0
DUP1_200909100231	PH (H3=past HT not compliant)	8.3		8.32	Units		(0-20)	20	0.24
LCS1	PH (H3=past HT not compliant)		6.0	6.03	Units	101	(98-102)		
LCS2	PH (H3=past HT not compliant)		6.0	6.04	Units	101	(98-102)	20	0.17
QC Ref# 523669 - Specific Conductance by SM2510B					Analysis Date: 09/11/2009				
DUP1_200909090074	Specific Conductance	850		855	umho/cm		(0-20)	20	0.47
DUP2_200909100522	Specific Conductance	460		457	umho/cm		(0-20)	20	0.22
LCS1	Specific Conductance		1000	981	umho/cm	98	(90-110)		
LCS2	Specific Conductance		1000	984	umho/cm	98	(90-110)	20	0.31
MBLK	Specific Conductance			<2	umho/cm				
MRL_CHK	Specific Conductance		2.0	2.00	umho/cm	100	(50-150)		
QC Ref# 523688 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 09/10/2009				
DUP_200909080692	Total Dissolved Solid (TDS)	300		306	mg/L		(0-10)	10	3.3
DUP_200909090463	Total Dissolved Solid (TDS)	270		272	mg/L		(0-10)	10	0.73
LCS1	Total Dissolved Solid (TDS)		175	172	mg/L	98	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	682	mg/L	97	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	10.0	mg/L	100	(50-150)		
QC Ref# 523735 - Total Dissolved Solids (TDS) by E160.1/SM2540C					Analysis Date: 09/10/2009				
DUP_200909090075	Total Dissolved Solid (TDS)	410		412	mg/L		(0-10)	10	0.48
DUP_200909090413	Total Dissolved Solid (TDS)	390		380	mg/L		(0-10)	10	1.6
LCS1	Total Dissolved Solid (TDS)		175	166	mg/L	95	(80-114)		
LCS2	Total Dissolved Solid (TDS)		700	694	mg/L	99	(80-114)		
MBLK	Total Dissolved Solid (TDS)			<10	mg/L				
MRL_CHK	Total Dissolved Solid (TDS)		10	8.00	mg/L	80	(50-150)		
QC Ref# 523799 - Chloride, Sulfate by EPA 300.0 by EPA 300.0					Analysis Date: 09/14/2009				
LCS1	Chloride		25	25.8	mg/L	103	(90-110)		
LCS2	Chloride		25	25.6	mg/L	103	(90-110)	20	0.78

Spike recovery is already corrected for native results.

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(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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Laboratory
QC Report: 313973

City of Tracy
 (continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Chloride			<0.5	mg/L				
MRL_CHK	Chloride		0.5	0.453	mg/L	91	(50-150)		
MS_200909080693	Chloride	120	13	259	mg/L	110	(90-110)		
MS_200909101079	Chloride	2500	13	3860	mg/L	106	(90-110)		
MSD_200909080693	Chloride	120	13	260	mg/L	<u>111</u>	(90-110)	10	0.91
LCS1	Sulfate		50	51.0	mg/L	102	(90-110)		
LCS2	Sulfate		50	50.7	mg/L	101	(90-110)	20	0.59
MBLK	Sulfate			<1.0	mg/L				
MRL_CHK	Sulfate		1.0	0.952	mg/L	95	(50-150)		
MRLW	Sulfate		0.25	0.246	mg/L	98	(50-150)		
MS_200909080693	Sulfate		25	264	mg/L	106	(90-110)		
MS_200909101079	Sulfate		25	2660	mg/L	107	(90-110)		
MSD_200909080693	Sulfate		25	265	mg/L	106	(90-110)	10	0.0
QC Ref# 524093 - Mercury by EPA 245.1					Analysis Date: 09/15/2009				
LCS1	Mercury		1.5	1.51	ug/L	101	(85-115)		
LCS2	Mercury		1.5	1.49	ug/L	99	(85-115)	20	1.3
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.215	ug/L	108	(50-150)		
MS_200909101167	Mercury	ND	1.5	1.55	ug/L	103	(70-130)		
MS2_200909040182	Mercury	ND	1.5	1.53	ug/L	102	(70-130)		
MSD_200909101167	Mercury	ND	1.5	1.55	ug/L	103	(70-130)	20	0.0
MSD2_200909040182	Mercury	ND	1.5	1.49	ug/L	99	(70-130)	20	2.6
QC Ref# 524096 - Mercury by EPA 245.1					Analysis Date: 09/15/2009				
LCS1	Mercury		1.5	1.51	ug/L	101	(85-115)		
LCS2	Mercury		1.5	1.5	ug/L	100	(85-115)	20	0.66
MBLK	Mercury			<0.2	ug/L				
MRL_CHK	Mercury		0.2	0.226	ug/L	113	(50-150)		
MS_200909100772	Mercury	ND	1.5	1.54	ug/L	103	(70-130)		
MS2_200909100857	Mercury	ND	1.5	1.52	ug/L	102	(70-130)		
MSD_200909100772	Mercury	ND	1.5	1.53	ug/L	102	(70-130)	20	0.98
MSD2_200909100857	Mercury	ND	1.5	1.53	ug/L	102	(70-130)	20	0.0
QC Ref# 524101 - Fluoride by SM 4500F-C					Analysis Date: 09/15/2009				
LCS1	Fluoride		1.0	0.995	mg/L	100	(81-116)		
LCS2	Fluoride		1.0	0.996	mg/L	100	(81-116)	20	0.10
MBLK	Fluoride			<0.05	mg/L				
MRL_CHK	Fluoride		0.05	0.0490	mg/L	98	(50-150)		
MS_200909090073	Fluoride	0.082	1.0	1.07	mg/L	99	(73-124)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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QC Report: 313973

City of Tracy
 (continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS2_200909090520	Fluoride	0.063	1.0	1.02	mg/L	96	(73-124)		
MSD_200909090073	Fluoride	0.082	1.0	1.06	mg/L	98	(73-124)	20	0.31

QC Ref# 524258 - Alkalinity in CaCO3 units by SM 2320B

Analysis Date: 09/15/2009

LCS1	Alkalinity in CaCO3 units		100	99.6	mg/L	100	(90-110)		
LCS2	Alkalinity in CaCO3 units		100	101	mg/L	101	(90-110)	20	1.4
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	1.9	mg/L	95	(50-150)		
MS_200909080045	Alkalinity in CaCO3 units	170	100	238	mg/L	<u>67</u>	(80-120)		
MS2_200909090028	Alkalinity in CaCO3 units	270	100	362	mg/L	89	(80-120)		
MSD_200909080045	Alkalinity in CaCO3 units	170	100	232	mg/L	<u>61</u>	(80-120)	20	9.4
MSD2_200909090028	Alkalinity in CaCO3 units	270	100	355	mg/L	82	(80-120)	20	8.2

QC Ref# 524656 - ICP Metals by EPA 200.7

Analysis Date: 09/18/2009

LCS1	Boron Total ICAP		0.5	0.514	mg/L	103	(85-115)		
LCS2	Boron Total ICAP		0.5	0.513	mg/L	103	(85-115)	20	0.20
MBLK	Boron Total ICAP			<0.05	mg/L				
MRL_CHK	Boron Total ICAP		0.05	0.0526	mg/L	105	(50-150)		
MS_200909180247	Boron Total ICAP	4.3	0.5	4.83	mg/L	100	(70-130)		
MS2_200909100262	Boron Total ICAP		0.5	0.440	mg/L	88	(70-130)		
MSD_200909180247	Boron Total ICAP	4.3	0.5	4.78	mg/L	90	(70-130)	20	11
MSD2_200909100262	Boron Total ICAP		0.5	0.430	mg/L	86	(70-130)	20	2.3
LCS1	Calcium Total ICAP		50	52.4	mg/L	105	(85-115)		
LCS2	Calcium Total ICAP		50	52.6	mg/L	105	(85-115)	20	0.38
MBLK	Calcium Total ICAP			<1	mg/L				
MRL_CHK	Calcium Total ICAP		1.0	1.00	mg/L	100	(50-150)		
MS_200909180247	Calcium Total ICAP	340	50	383	mg/L	78	(70-130)		
MS2_200909100262	Calcium Total ICAP		50	39.0	mg/L	78	(70-130)		
MSD_200909180247	Calcium Total ICAP	340	50	373	mg/L	<u>58</u>	(70-130)	20	<u>29</u>
MSD2_200909100262	Calcium Total ICAP		50	43.0	mg/L	86	(70-130)	20	9.8
LCS1	Chromium Total ICAP		1.0	1.03	mg/L	103	(85-115)		
LCS2	Chromium Total ICAP		1.0	1.03	mg/L	103	(85-115)	20	0.0
MBLK	Chromium Total ICAP			<0.01	mg/L				
MRL_CHK	Chromium Total ICAP		0.01	0.00987	mg/L	99	(50-150)		
MS_200909180247	Chromium Total ICAP		1.0	0.920	mg/L	92	(70-130)		
MS2_200909100262	Chromium Total ICAP	0.029	1.0	0.986	mg/L	96	(70-130)		
MSD_200909180247	Chromium Total ICAP		1.0	0.910	mg/L	91	(70-130)	20	1.1
MSD2_200909100262	Chromium Total ICAP	0.029	1.0	1.03	mg/L	100	(70-130)	20	4.4
LCS1	Iron Total ICAP		5.0	5.16	mg/L	103	(85-115)		
LCS2	Iron Total ICAP		5.0	5.16	mg/L	103	(85-115)	20	0.0

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

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are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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QC Report: 313973

City of Tracy
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Iron Total ICAP			<0.02	mg/L				
MRL_CHK	Iron Total ICAP		0.02	0.0213	mg/L	107	(50-150)		
MS_200909180247	Iron Total ICAP		5.0	4.99	mg/L	100	(70-130)		
MS2_200909100262	Iron Total ICAP	5.2	5.0	9.98	mg/L	95	(70-130)		
MSD_200909180247	Iron Total ICAP		5.0	4.89	mg/L	98	(70-130)	20	2.0
MSD2_200909100262	Iron Total ICAP	5.2	5.0	10.2	mg/L	100	(70-130)	20	5.0
LCS1	Magnesium Total ICAP		20	20.9	mg/L	105	(85-115)		
LCS2	Magnesium Total ICAP		20	21.0	mg/L	105	(85-115)	20	0.48
MBLK	Magnesium Total ICAP			<0.1	mg/L				
MRL_CHK	Magnesium Total ICAP		0.1	0.103	mg/L	103	(50-150)		
MS_200909180247	Magnesium Total ICAP	170	20	186	mg/L	65	(70-130)		
MSD_200909180247	Magnesium Total ICAP	170	20	185	mg/L	60	(70-130)	20	8.0
LCS1	Manganese Total ICAP		0.5	0.533	mg/L	107	(85-115)		
LCS2	Manganese Total ICAP		0.5	0.529	mg/L	106	(85-115)	20	0.75
MBLK	Manganese Total ICAP			<0.002	mg/L				
MRL_CHK	Manganese Total ICAP		0.002	0.00167	mg/L	84	(50-150)		
MS_200909180247	Manganese Total ICAP	0.050	0.5	0.554	mg/L	101	(70-130)		
MS2_200909100262	Manganese Total ICAP		0.5	0.470	mg/L	94	(70-130)		
MSD_200909180247	Manganese Total ICAP	0.050	0.5	0.552	mg/L	100	(70-130)	20	1
MSD2_200909100262	Manganese Total ICAP		0.5	0.480	mg/L	96	(70-130)	20	2.1
LCS1	Potassium Total ICAP		20	19.9	mg/L	100	(85-115)		
LCS2	Potassium Total ICAP		20	20.3	mg/L	101	(85-115)	20	2.0
MBLK	Potassium Total ICAP			<1	mg/L				
MRL_CHK	Potassium Total ICAP		1.0	0.898	mg/L	90	(50-150)		
MS_200909180247	Potassium Total ICAP	33	20	54.5	mg/L	106	(70-130)		
MS2_200909100262	Potassium Total ICAP		20	21.1	mg/L	106	(70-130)		
MSD_200909180247	Potassium Total ICAP	33	20	53.2	mg/L	99	(70-130)	20	6.8
MSD2_200909100262	Potassium Total ICAP		20	22.8	mg/L	114	(70-130)	20	7.3
LCS1	Sodium Total ICAP		50	50.7	mg/L	101	(85-115)		
LCS2	Sodium Total ICAP		50	51.4	mg/L	103	(85-115)	20	1.4
MBLK	Sodium Total ICAP			<1	mg/L				
MRL_CHK	Sodium Total ICAP		1.0	0.937	mg/L	94	(50-150)		
MS_200909180247	Sodium Total ICAP	1200	50	1180	mg/L	60	(70-130)		
MS2_200909100262	Sodium Total ICAP		50	40.0	mg/L	80	(70-130)		
MSD_200909180247	Sodium Total ICAP	1200	50	1150	mg/L	0	(70-130)	20	200
MSD2_200909100262	Sodium Total ICAP		50	40.0	mg/L	80	(70-130)	20	0.0

QC Ref# 524999 - Alkalinity in CaCO3 units by SM 2320B

Analysis Date: 09/21/2009

LCS1	Alkalinity in CaCO3 units	100	98.0	mg/L	98	(90-110)		
LCS2	Alkalinity in CaCO3 units	100	98.9	mg/L	99	(90-110)	20	0.91

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

are advisory only, unless otherwise specified in the method.

(S) Indicates surrogate compound.

(I) Indicates internal standard compound.

RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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City of Tracy
 (continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MBLK	Alkalinity in CaCO3 units			<2	mg/L				
MRL_CHK	Alkalinity in CaCO3 units		2.0	1.88	mg/L	94	(50-150)		
MS_200909080220	Alkalinity in CaCO3 units	74	100	174	mg/L	100	(80-120)		
MS2_200909090520	Alkalinity in CaCO3 units	280	100	391	mg/L	116	(80-120)		
MSD_200909080220	Alkalinity in CaCO3 units	74	100	182	mg/L	109	(80-120)	20	8.6
MSD2_200909090520	Alkalinity in CaCO3 units	280	100	377	mg/L	102	(80-120)	20	13

QC Ref# 525310 - ICPMS Metals by EPA 200.8

Analysis Date: 09/23/2009

LCS1	Antimony Total ICAP/MS		50	50.9	ug/L	102	(85-115)		
LCS2	Antimony Total ICAP/MS		50	49.2	ug/L	99	(85-115)	20	3.4
MBLK	Antimony Total ICAP/MS			<1	ug/L				
MRL_CHK	Antimony Total ICAP/MS		1.0	1.04	ug/L	104	(50-150)		
MS_200909170224	Antimony Total ICAP/MS		50	50.3	ug/L	101	(70-130)		
MS_200909190122	Antimony Total ICAP/MS		50	50.3	ug/L	101	(70-130)		
MSD_200909170224	Antimony Total ICAP/MS		50	51.3	ug/L	103	(70-130)	20	2.0
MSD_200909190122	Antimony Total ICAP/MS		50	50.3	ug/L	101	(70-130)	20	0.0
LCS1	Arsenic Total ICAP/MS		20	19.1	ug/L	96	(85-115)		
LCS2	Arsenic Total ICAP/MS		20	18.9	ug/L	94	(85-115)	20	1.1
MBLK	Arsenic Total ICAP/MS			<1	ug/L				
MRL_CHK	Arsenic Total ICAP/MS		1.0	1.07	ug/L	107	(50-150)		
MS_200909170224	Arsenic Total ICAP/MS		20	19.9	ug/L	100	(70-130)		
MS_200909190122	Arsenic Total ICAP/MS		20	20.2	ug/L	101	(70-130)		
MSD_200909170224	Arsenic Total ICAP/MS		20	20.3	ug/L	101	(70-130)	20	1.5
MSD_200909190122	Arsenic Total ICAP/MS		20	20.2	ug/L	101	(70-130)	20	0.0
LCS1	Barium Total ICAP/MS		100	100	ug/L	100	(85-115)		
LCS2	Barium Total ICAP/MS		100	97.1	ug/L	97	(85-115)	20	2.9
MBLK	Barium Total ICAP/MS			<2	ug/L				
MRL_CHK	Barium Total ICAP/MS		2.0	2.13	ug/L	107	(50-150)		
MS_200909170224	Barium Total ICAP/MS		100	96.5	ug/L	97	(70-130)		
MS_200909190122	Barium Total ICAP/MS		100	99.0	ug/L	99	(70-130)		
MSD_200909170224	Barium Total ICAP/MS		100	101	ug/L	101	(70-130)	20	4.6
MSD_200909190122	Barium Total ICAP/MS		100	101	ug/L	101	(70-130)	20	2.0
LCS1	Beryllium Total ICAP/MS		5.0	5.21	ug/L	104	(85-115)		
LCS2	Beryllium Total ICAP/MS		5.0	5.08	ug/L	102	(85-115)	20	2.5
MBLK	Beryllium Total ICAP/MS			<1	ug/L				
MRL_CHK	Beryllium Total ICAP/MS		1.0	1.06	ug/L	106	(50-150)		
MS_200909170224	Beryllium Total ICAP/MS		5.0	4.86	ug/L	97	(70-130)		
MS_200909190122	Beryllium Total ICAP/MS		5.0	5.13	ug/L	103	(70-130)		
MSD_200909170224	Beryllium Total ICAP/MS		5.0	5.07	ug/L	101	(70-130)	20	3.9

Spike recovery is already corrected for native results.

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are advisory only, unless otherwise specified in the method.

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RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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Laboratory
QC Report: 313973

City of Tracy
(continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_200909190122	Beryllium Total ICAP/MS		5.0	4.96	ug/L	99	(70-130)	20	3.8
LCS1	Cadmium Total ICAP/MS		20	19.8	ug/L	99	(85-115)		
LCS2	Cadmium Total ICAP/MS		20	19.3	ug/L	96	(85-115)	20	2.6
MBLK	Cadmium Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Cadmium Total ICAP/MS		0.5	0.497	ug/L	99	(50-150)		
MS_200909170224	Cadmium Total ICAP/MS		20	19.2	ug/L	96	(70-130)		
MS_200909190122	Cadmium Total ICAP/MS		20	18.9	ug/L	95	(70-130)		
MSD_200909170224	Cadmium Total ICAP/MS		20	19.5	ug/L	97	(70-130)	20	1.6
MSD_200909190122	Cadmium Total ICAP/MS		20	19.0	ug/L	95	(70-130)	20	0.11
LCS1	Chromium Total ICAP/MS		100	99.4	ug/L	99	(85-115)		
LCS2	Chromium Total ICAP/MS		100	96.7	ug/L	97	(85-115)	20	2.8
MBLK	Chromium Total ICAP/MS			<1	ug/L				
MRL_CHK	Chromium Total ICAP/MS		1.0	1.3	ug/L	130	(50-150)		
MS_200909170224	Chromium Total ICAP/MS		100	94.0	ug/L	94	(70-130)		
MS_200909190122	Chromium Total ICAP/MS		100	96.0	ug/L	96	(70-130)		
MSD_200909170224	Chromium Total ICAP/MS		100	96.1	ug/L	96	(70-130)	20	2.2
MSD_200909190122	Chromium Total ICAP/MS		100	96.4	ug/L	96	(70-130)	20	0.42
LCS1	Copper Total ICAP/MS		100	97.7	ug/L	98	(85-115)		
LCS2	Copper Total ICAP/MS		100	96.0	ug/L	96	(85-115)	20	1.8
MBLK	Copper Total ICAP/MS			<2	ug/L				
MRL_CHK	Copper Total ICAP/MS		2.0	2.29	ug/L	115	(50-150)		
MS_200909170224	Copper Total ICAP/MS	180	100	271	ug/L	86	(70-130)		
MS_200909190122	Copper Total ICAP/MS	11	100	100	ug/L	89	(70-130)		
MSD_200909170224	Copper Total ICAP/MS	180	100	278	ug/L	94	(70-130)	20	8.1
MSD_200909190122	Copper Total ICAP/MS	11	100	100	ug/L	90	(70-130)	20	0.34
LCS1	Lead Total ICAP/MS		20	20.5	ug/L	103	(85-115)		
LCS2	Lead Total ICAP/MS		20	20.0	ug/L	100	(85-115)	20	2.5
MBLK	Lead Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Lead Total ICAP/MS		0.5	0.642	ug/L	128	(50-150)		
MS_200909170224	Lead Total ICAP/MS	13	20	32.8	ug/L	101	(70-130)		
MS_200909190122	Lead Total ICAP/MS	ND	20	20.7	ug/L	101	(70-130)		
MSD_200909170224	Lead Total ICAP/MS	13	20	33.3	ug/L	104	(70-130)	20	2.9
MSD_200909190122	Lead Total ICAP/MS	ND	20	20.8	ug/L	102	(70-130)	20	0.99
LCS1	Manganese Total ICAP/MS		50	49.7	ug/L	99	(85-115)		
LCS2	Manganese Total ICAP/MS		50	48.5	ug/L	97	(85-115)	20	2.4
MBLK	Manganese Total ICAP/MS			<2	ug/L				
MRL_CHK	Manganese Total ICAP/MS		2.0	2.24	ug/L	112	(50-150)		
MS_200909170224	Manganese Total ICAP/MS		50	48.9	ug/L	98	(70-130)		
MS_200909190122	Manganese Total ICAP/MS		50	48.0	ug/L	96	(70-130)		

Spike recovery is already corrected for native results.

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.

Criteria for MS and Dup are advisory only, batch control is based on LCS. Criteria for duplicates

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(S) Indicates surrogate compound.

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RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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City of Tracy
 (continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MSD_200909170224	Manganese Total ICAP/MS		50	58.2	ug/L	116	(70-130)	20	17
MSD_200909190122	Manganese Total ICAP/MS		50	48.1	ug/L	96	(70-130)	20	0.21
LCS1	Nickel Total ICAP/MS		50	50.0	ug/L	100	(85-115)		
LCS2	Nickel Total ICAP/MS		50	49.1	ug/L	98	(85-115)	20	1.8
MBLK	Nickel Total ICAP/MS			<5	ug/L				
MRL_CHK	Nickel Total ICAP/MS		5.0	5.1	ug/L	102	(50-150)		
MS_200909170224	Nickel Total ICAP/MS		50	46.4	ug/L	93	(70-130)		
MS_200909190122	Nickel Total ICAP/MS		50	46.6	ug/L	93	(70-130)		
MSD_200909170224	Nickel Total ICAP/MS		50	47.8	ug/L	96	(70-130)	20	2.9
MSD_200909190122	Nickel Total ICAP/MS		50	46.7	ug/L	93	(70-130)	20	0.11
LCS1	Selenium Total ICAP/MS		20	20.0	ug/L	100	(85-115)		
LCS2	Selenium Total ICAP/MS		20	19.8	ug/L	99	(85-115)	20	1.0
MBLK	Selenium Total ICAP/MS			<5	ug/L				
MRL_CHK	Selenium Total ICAP/MS		5.0	4.91	ug/L	98	(50-150)		
MS_200909170224	Selenium Total ICAP/MS		20	19.6	ug/L	98	(70-130)		
MS_200909190122	Selenium Total ICAP/MS		20	20.6	ug/L	103	(70-130)		
MSD_200909170224	Selenium Total ICAP/MS		20	19.9	ug/L	99	(70-130)	20	1.3
MSD_200909190122	Selenium Total ICAP/MS		20	20.2	ug/L	101	(70-130)	20	2.0
LCS1	Thallium Total ICAP/MS		20	20.6	ug/L	103	(85-115)		
LCS2	Thallium Total ICAP/MS		20	20.1	ug/L	100	(85-115)	20	2.5
MBLK	Thallium Total ICAP/MS			<1	ug/L				
MRL_CHK	Thallium Total ICAP/MS		1.0	1.31	ug/L	131	(50-150)		
MS_200909170224	Thallium Total ICAP/MS		20	20.5	ug/L	102	(70-130)		
MS_200909190122	Thallium Total ICAP/MS		20	20.4	ug/L	102	(70-130)		
MSD_200909170224	Thallium Total ICAP/MS		20	20.6	ug/L	103	(70-130)	20	0.98
MSD_200909190122	Thallium Total ICAP/MS		20	20.6	ug/L	103	(70-130)	20	0.98
LCS1	Vanadium Total ICAP/MS		100	100	ug/L	100	(85-115)		
LCS2	Vanadium Total ICAP/MS		100	97.7	ug/L	98	(85-115)	20	2.3
MBLK	Vanadium Total ICAP/MS			<3	ug/L				
MRL_CHK	Vanadium Total ICAP/MS		3.0	3.1	ug/L	103	(50-150)		
MS_200909170224	Vanadium Total ICAP/MS		100	97.1	ug/L	97	(70-130)		
MS_200909190122	Vanadium Total ICAP/MS		100	101	ug/L	101	(70-130)		
MSD_200909170224	Vanadium Total ICAP/MS		100	99.6	ug/L	100	(70-130)	20	2.5
MSD_200909190122	Vanadium Total ICAP/MS		100	101	ug/L	101	(70-130)	20	0.0
LCS1	Zinc Total ICAP/MS		100	105	ug/L	105	(85-115)		
LCS2	Zinc Total ICAP/MS		100	108	ug/L	108	(85-115)	20	2.8
MBLK	Zinc Total ICAP/MS			<20	ug/L				
MRL_CHK	Zinc Total ICAP/MS		20	33.8	ug/L	<u>169</u>	(50-150)		
MS_200909170224	Zinc Total ICAP/MS		100	115	ug/L	115	(70-130)		

Spike recovery is already corrected for native results.

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RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)

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City of Tracy
 (continued)

QC Type	Analyte	Native	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPDLimit (%)	RPD%
MS_200909190122	Zinc Total ICAP/MS		100	89.5	ug/L	90	(70-130)		
MSD_200909170224	Zinc Total ICAP/MS		100	100	ug/L	100	(70-130)	20	14
MSD_200909190122	Zinc Total ICAP/MS		100	94.9	ug/L	95	(70-130)	20	5.9

QC Ref# 525493 - ICPMS Metals by EPA 200.8

Analysis Date: 09/24/2009

LCS1	Silver Total ICAP/MS		50	49.6	ug/L	99	(85-115)		
LCS2	Silver Total ICAP/MS		50	48.4	ug/L	97	(85-115)	20	2.5
MBLK	Silver Total ICAP/MS			<0.5	ug/L				
MRL_CHK	Silver Total ICAP/MS		0.5	0.630	ug/L	126	(50-150)		
MS_200909280035	Silver Total ICAP/MS	ND	50	46.0	ug/L	92	(70-130)		
MS_200909280036	Silver Total ICAP/MS	ND	50	46.6	ug/L	93	(70-130)		
MSD_200909280035	Silver Total ICAP/MS	ND	50	46.0	ug/L	92	(70-130)	20	0.11
MSD_200909280036	Silver Total ICAP/MS	ND	50	46.4	ug/L	93	(70-130)	20	0.54

QC Ref# 526510 - ICPMS Metals by EPA 200.8

Analysis Date: 10/05/2009

LCS1	Aluminum Total ICAP/MS		200	199	ug/L	99	(85-115)		
LCS2	Aluminum Total ICAP/MS		200	202	ug/L	101	(85-115)	20	1.5
MBLK	Aluminum Total ICAP/MS			<20	ug/L				
MRL_CHK	Aluminum Total ICAP/MS		20	21.0	ug/L	105	(50-150)		
MS_200909010262	Aluminum Total ICAP/MS	250	200	436	ug/L	94	(70-130)		
MS2_200909080195	Aluminum Total ICAP/MS	550	200	767	ug/L	106	(70-130)		
MSD_200909010262	Aluminum Total ICAP/MS	250	200	445	ug/L	98	(70-130)	20	4.6
MSD2_200909080195	Aluminum Total ICAP/MS	550	200	795	ug/L	120	(70-130)	20	12

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RPD not calculated for LCS2 when different a concentration than LCS1 is used

RPD not calculated for Duplicates when the result is not five times the MRL (Minimum Reporting Level)