

**MWH Laboratories**  
750 Royal Oaks Drive, Monrovia, CA 91016  
PHONE: 626-386-1100/FAX: 626-386-1101

ACKNOWLEDGMENT OF SAMPLES RECEIVED

City of Tracy  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas  
Phone: (209) 831-4488

Customer Code: TRACY  
Group#: 226073  
Project#: DRINKING  
Proj Mgr: Allen Glover  
Phone: (916) 374-8030

The following samples were received from you on **12/27/07**. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using MWH Laboratories.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
2712270360	R-001	AG-MS AGRES ASBTEM B CATION1 CD-MS CR-MS CR-VI HARD2 HCO3 MG MN-MS NO3 NO3A PH_SAT25 PH_SAT60 T-P TDS	Water AL-MS BA-MS CL CU-MS HG NA OH SB-MS TL-MS	26-dec-2007 10:20:00 ALK ANION AS-MS BE-MS CA CATANDIF CN CO2 CO3 EC F FE K LANGI25 MBAS NI-MS NO2-N NO2NO3-N P PB-MS PH SE-MS SO4 T V-MS ZN-MS
2712270363	R-002	AG-MS AGRES ASBTEM B CATION1 CD-MS CR-MS CR-VI HARD2 HCO3 MG MN-MS NO3 NO3A PH_SAT25 PH_SAT60 T-P TDS	Water AL-MS BA-MS CL CU-MS HG NA OH SB-MS TL-MS	26-dec-2007 09:48:00 ALK ANION AS-MS BE-MS CA CATANDIF CN CO2 CO3 EC F FE K LANGI25 MBAS NI-MS NO2-N NO2NO3-N P PB-MS PH SE-MS SO4 T V-MS ZN-MS
2712270364	R-003	AG-MS AGRES ASBTEM B CATION1 CD-MS CR-MS CR-VI HARD2 HCO3 MG MN-MS NO3 NO3A PH_SAT25 PH_SAT60 T-P TDS	Water AL-MS BA-MS CL CU-MS HG NA OH SB-MS TL-MS	26-dec-2007 09:30:00 ALK ANION AS-MS BE-MS CA CATANDIF CN CO2 CO3 EC F FE K LANGI25 MBAS NI-MS NO2-N NO2NO3-N P PB-MS PH SE-MS SO4 T V-MS ZN-MS
2712270365	R-005	AG-MS AGRES 	Water AL-MS	26-dec-2007 08:45:00 ALK ANION AS-MS

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Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date		
2712270365	R-005 (con't)	ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270366	R-006			Water		26-dec-2007	09:15:00
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270367	M001			Water		26-dec-2007	13:00:00
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270368	GLOVER PK			Water		26-dec-2007	12:45:00
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	

#### Test Acronym Description

Test Acronym	Description
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City of Tracy  
Public Works Laboratory  
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Proj Mgr: Allen Glover  
Phone: (916) 374-8030

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Test Acronym Description

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Test Acronym	Description
AG-MS	Silver, Total, ICAP/MS
AGRES	Agressiveness Index-Calculated
AL-MS	Aluminum, Total, ICAP/MS
ALK	Alkalinity in CaCO3 units
ANION	Anion Sum - Calculated
AS-MS	Arsenic, Total, ICAP/MS
ASBTEM	Asbestos by TEM - >10 microns
B	Boron, Total, ICAP
BA-MS	Barium, Total, ICAP/MS
BE-MS	Beryllium, Total, ICAP/MS
CA	Calcium, Total, ICAP
CATANDIF	(CatSum-AnSum)/(CatSum+AnSum)
CATION1	Cation Sum - Calculated
CD-MS	Cadmium, Total, ICAP/MS
CL	Chloride
CN	Cyanide by manual distillation
CO2	Carbon Dioxide,Free(25C)-Calc.
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
CU-MS	Copper, Total, ICAP/MS
EC	Specific Conductance
F	Fluoride
FE	Iron, Total, ICAP
HARD2	Total Hardness as CaCO3 by ICP
HCO3	Bicarb.Alkalinity as HCO3,calc
HG	Mercury
K	Potassium, Total, ICAP
LANGI25	Langelier Index - 25 degree
MBAS	Surfactants
MG	Magnesium, Total, ICAP
MN-MS	Manganese, Total, ICAP/MS
NA	Sodium, Total, ICAP
NI-MS	Nickel, Total, ICAP/MS
NO2-N	Nitrite, Nitrogen by IC
NO2NO3-N	Total Nitrate, Nitrite-N, CALC
NO3	Nitrate as Nitrogen by IC
NO3A	Nitrate as NO3 (calc)
OH	Hydroxide as OH, Calculated
P	Metals sample pH
PB-MS	Lead, Total, ICAP/MS
PH	PH (H3=past HT, not compliant)

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Test Acronym Description

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Test Acronym	Description
PH_SAT25	pH of CaCO3 saturation(25C)
PH_SAT60	pH of CaCO3 saturation(60C)
SB-MS	Antimony, Total, ICAP/MS
SE-MS	Selenium, Total, ICAP/MS
SO4	Sulfate
T	Metals Turbidity
T-P	Total phosphorus as P
TDS	Total Dissolved Solid (TDS)
TL-MS	Thallium, Total, ICAP/MS
V-MS	Vanadium, Total, ICAP/MS
ZN-MS	Zinc, Total, ICAP/MS



## MWH Laboratories

A Division of MWH Americas, Inc.

750 Royal Oaks Drive  
Suite 100  
Monrovia, California 91016-3629  
Tel: 626 568 6400  
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1 800 556 LABS (1 800 566 5227)

### Laboratory Report

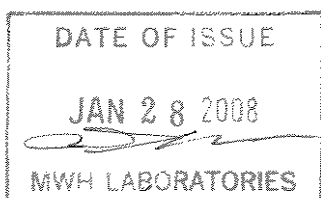
for

City of Tracy  
Public Works Laboratory

3900 Holly Drive

Tracy, CA 95304

Attention: Erich Delmas  
Fax: (209) 831-4484



MAG Matthew Allen Glover  
Project Manager



Report#: 226073  
Project: DRINKING

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 Comments, QC Report, QC Summary, Data Report, Hits Report, totaling 66 page[s].



## CHAIN OF CUSTODY RECORD

**LOGIN COMMENTS:**

**SAMPLES CHECKED AGAINST COC BY:**

**SAMPLES LOGGED IN BY:**

**SAMPLE TEMP WHEN REC'D AT LAB:** 15.0 (Compliance: 4 +/- 2°C)

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

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

TO BE COMPLETED BY SAMPLER:

*(check for yes)*

*(check for yes)*

**COMPANY, UTILITY or PROJECT:**

SYSTEM #:

**COMPLIANCE SAMPLES**  
- Requires state forms

**NON-COMPLIANCE SAMPLES**  
**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>[Signature]</i>	<i>[Signature]</i>	<i>City of Tracy</i>	<i>12/20/11</i>	<i>2400</i>
RECEIVED BY:	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>10/22/12</i>	<i>2000</i>
RELINQUISHED BY:					
RECEIVED BY:					

 $C-O-C\ddagger$ 

PAGE OF



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Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date		
2712270360	R-001	AG-MS	AGRES	Water	26-dec-2007	10:20:00	
		ASBTEM	B	AL-MS	ALK	ANION	AS-MS
		CATION1	CD-MS	BA-MS	BE-MS	CA	CATANDIF
		CR-MS	CR-VI	CL	CN	CO2	CO3
		HARD2	HCO3	CU-MS	EC	F	FE
		MG	MN-MS	HG	K	LANGI25	MBAS
		NO3	NO3A	NA	NI-MS	NO2-N	NO2NO3-N
		PH_SAT25	PH_SAT60	OH	P	PB-MS	PH
		T-P	TDS	SB-MS	SE-MS	SO4	T
				TL-MS	V-MS	ZN-MS	
2712270363	R-002	AG-MS	AGRES	Water	26-dec-2007	09:48:00	
		ASBTEM	B	AL-MS	ALK	ANION	AS-MS
		CATION1	CD-MS	BA-MS	BE-MS	CA	CATANDIF
		CR-MS	CR-VI	CL	CN	CO2	CO3
		HARD2	HCO3	CU-MS	EC	F	FE
		MG	MN-MS	HG	K	LANGI25	MBAS
		NO3	NO3A	NA	NI-MS	NO2-N	NO2NO3-N
		PH_SAT25	PH_SAT60	OH	P	PB-MS	PH
		T-P	TDS	SB-MS	SE-MS	SO4	T
				TL-MS	V-MS	ZN-MS	
2712270364	R-003	AG-MS	AGRES	Water	26-dec-2007	09:30:00	
		ASBTEM	B	AL-MS	ALK	ANION	AS-MS
		CATION1	CD-MS	BA-MS	BE-MS	CA	CATANDIF
		CR-MS	CR-VI	CL	CN	CO2	CO3
		HARD2	HCO3	CU-MS	EC	F	FE
		MG	MN-MS	HG	K	LANGI25	MBAS
		NO3	NO3A	NA	NI-MS	NO2-N	NO2NO3-N
		PH_SAT25	PH_SAT60	OH	P	PB-MS	PH
		T-P	TDS	SB-MS	SE-MS	SO4	T
				TL-MS	V-MS	ZN-MS	
2712270365	R-005	AG-MS	AGRES	Water	26-dec-2007	08:45:00	
				AL-MS	ALK	ANION	AS-MS



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Sample#	Sample Id	Tests Scheduled		Matrix	Sample Date		
2712270365	R-005 (con't)	ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270366	R-006			Water		26-dec-2007 09:15:00	
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270367	M001			Water		26-dec-2007 13:00:00	
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	
2712270368	GLOVER PK			Water		26-dec-2007 12:45:00	
		AG-MS	AGRES	AL-MS	ALK	ANION	AS-MS
		ASBTEM	B	BA-MS	BE-MS	CA	CATANDIF
		CATION1	CD-MS	CL	CN	CO2	CO3
		CR-MS	CR-VI	CU-MS	EC	F	FE
		HARD2	HCO3	HG	K	LANGI25	MBAS
		MG	MN-MS	NA	NI-MS	NO2-N	NO2NO3-N
		NO3	NO3A	OH	P	PB-MS	PH
		PH_SAT25	PH_SAT60	SB-MS	SE-MS	SO4	T
		T-P	TDS	TL-MS	V-MS	ZN-MS	

#### Test Acronym Description

Test Acronym	Description
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Public Works Laboratory  
3900 Holly Drive  
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Phone: (916) 374-8030

### Test Acronym Description

Test Acronym	Description
AG-MS	Silver, Total, ICAP/MS
AGRES	Agressiveness Index-Calculated
AL-MS	Aluminum, Total, ICAP/MS
ALK	Alkalinity in CaCO3 units
ANION	Anion Sum - Calculated
AS-MS	Arsenic, Total, ICAP/MS
ASBTEM	Asbestos by TEM - >10 microns
B	Boron, Total, ICAP
BA-MS	Barium, Total, ICAP/MS
BE-MS	Beryllium, Total, ICAP/MS
CA	Calcium, Total, ICAP
CATANDIF	(CatSum-AnSum)/(CatSum+AnSum)
CATION1	Cation Sum - Calculated
CD-MS	Cadmium, Total, ICAP/MS
CL	Chloride
CN	Cyanide by manual distillation
CO2	Carbon Dioxide,Free(25C)-Calc.
CO3	Carbonate as CO3, Calculated
CR-MS	Chromium, Total, ICAP/MS
CR-VI	Hexavalent chromium (Cr VI)
CU-MS	Copper, Total, ICAP/MS
EC	Specific Conductance
F	Fluoride
FE	Iron, Total, ICAP
HARD2	Total Hardness as CaCO3 by ICP
HCO3	Bicarb.Alkalinity as HCO3,calc
HG	Mercury
K	Potassium, Total, ICAP
LANGI25	Langelier Index - 25 degree
MBAS	Surfactants
MG	Magnesium, Total, ICAP
MN-MS	Manganese, Total, ICAP/MS
NA	Sodium, Total, ICAP
NI-MS	Nickel, Total, ICAP/MS
NO2-N	Nitrite, Nitrogen by IC
NO2NO3-N	Total Nitrate, Nitrite-N, CALC
NO3	Nitrate as Nitrogen by IC
NO3A	Nitrate as NO3 (calc)
OH	Hydroxide as OH, Calculated
P	Metals sample pH
PB-MS	Lead, Total, ICAP/MS
PH	PH (H3=past HT, not compliant)

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Test Acronym Description

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Test Acronym	Description
PH_SAT25	pH of CaCO3 saturation(25C)
PH_SAT60	pH of CaCO3 saturation(60C)
SB-MS	Antimony, Total, ICAP/MS
SE-MS	Selenium, Total, ICAP/MS
SO4	Sulfate
T	Metals Turbidity
T-P	Total phosphorus as P
TDS	Total Dissolved Solid (TDS)
TL-MS	Thallium, Total, ICAP/MS
V-MS	Vanadium, Total, ICAP/MS
ZN-MS	Zinc, Total, ICAP/MS



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**Report  
Comments  
#226073**

## **Group Comments**

(CN) There were high-biased Low/High check recoveries.  
Data acceptable since only ND results were reported.  
(ASBT) No chrysotile or amphibole fibers >10 microns  
observed.

### **(QC Ref#: 2712270360)**

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.  
Data not acceptable for regulatory compliance.

### **(QC Ref#: 2712270363)**

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.  
Data not acceptable for regulatory compliance.

### **(QC Ref#: 2712270364)**

#### **Test: Asbestos by TEM - >10 microns (EPA 100.2)**

A7 - Micro sample received without adequate headspace.

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.  
Data not acceptable for regulatory compliance.

### **(QC Ref#: 2712270365)**

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.  
Data not acceptable for regulatory compliance.

### **(QC Ref#: 2712270366)**

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.  
Data not acceptable for regulatory compliance.

### **(QC Ref#: 2712270367)**

#### **Test: Asbestos by TEM - >10 microns (EPA 100.2)**

A7 - Micro sample received without adequate headspace.

#### **Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.



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**Report  
Comments  
#226073**

Data not acceptable for regulatory compliance.

**(QC Ref#: 2712270368)**

**Test: Hexavalent chromium (Cr VI) (SM3500CrD)**

H3 - Sample was received and analyzed past holding time.

Data not acceptable for regulatory compliance.



750 Royal Oaks Drive  
Suite 100  
Menlo Park, California 94025-5099  
Tel: 650 568 6400  
Fax: 650 568 6324  
1 800 566 LABS (1 800 566 5227)

Laboratory  
Hits Report  
#226073

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
2712270360		R-001				
01/11/08		Agressiveness Index-Calculated	12		None	0.10
12/28/07		Alkalinity in CaCO3 units	88		mg/l	2.0
01/07/08		Aluminum, Total, ICAP/MS	280	200	ug/l	40
01/03/08		Anion Sum - Calculated	7.5		meq/l	0.0050
01/07/08		Barium, Total, ICAP/MS	52	2000	ug/l	4.0
12/31/07		Bicarb.Alkalinity as HCO3,calc	110		mg/l	2.0
01/08/08		Boron, Total, ICAP	0.46		mg/l	0.050
01/08/08		Calcium, Total, ICAP	39		mg/l	1.0
12/31/07		Carbon Dioxide,Free(25C)-Calc.	2.3		mg/l	2.0
01/11/08		Cation Sum - Calculated	8.1		meq/l	0.0010
12/27/07		Chloride	120	250	mg/l	5.0
01/15/08		Chromium, Total, ICAP/MS	2.0	100	ug/l	1.0
12/29/07		Fluoride	0.10	4	mg/l	0.050
01/08/08		Iron, Total, ICAP	0.67	0.3	mg/l	0.020
01/11/08		Langelier Index - 25 degree	0.1		None	
01/08/08		Magnesium, Total, ICAP	22		mg/l	0.10
01/07/08		Manganese, Total, ICAP/MS	80	50	ug/l	4.0
01/04/08		Metals digestion performed.	Y		Yes/No	
12/27/07		Nitrate as NO3 (calc)	6.6	45	mg/l	2.2
12/27/07		Nitrate as Nitrogen by IC	1.5	10	mg/l	0.50
12/28/07		PH (H3=past HT, not compliant)	7.9	6.5-8.5	Units	0.010
01/08/08		Potassium, Total, ICAP	2.9		mg/l	1.0
01/08/08		Sodium, Total, ICAP	98		mg/l	1.0
12/28/07		Specific Conductance	885		umho/cm	2.0
12/27/07		Sulfate	110	250	mg/l	2.5
12/27/07		Surfactants	0.115	0.5	mg/l	0.050
01/02/08		Total Dissolved Solid (TDS)	490	500	mg/l	10
01/11/08		Total Hardness as CaCO3 by ICP	190		mg/l	3.0
12/31/07		Total Nitrate, Nitrite-N, CALC	1.5	10	mg/l	0.50

SUMMARY OF POSITIVE DATA ONLY.

**MWH Laboratories**

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**Laboratory  
Hits Report  
#226073**

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
<b>2712270360 R-001</b>						
01/03/08	Total phosphorus as P		0.13		mg/l	0.020
01/11/08	pH of CaCO3 saturation(25C)		7.8		Units	0.10
01/11/08	pH of CaCO3 saturation(60C)		7.4		Units	0.10
<b>2712270363 R-002</b>						
01/09/08	Agressiveness Index-Calculated		12		None	0.20
12/28/07	Alkalinity in CaCO3 units		101		mg/l	2.0
01/07/08	Aluminum, Total, ICAP/MS		380	200	ug/l	20
01/03/08	Anion Sum - Calculated		7.8		meq/l	0.0050
01/07/08	Arsenic, Total, ICAP/MS		1.9	10	ug/l	1.0
01/07/08	Barium, Total, ICAP/MS		54	2000	ug/l	2.0
12/31/07	Bicarb.Alkalinity as HCO3,calc		120		mg/l	2.0
01/08/08	Boron, Total, ICAP		0.48		mg/l	0.10
01/08/08	Calcium, Total, ICAP		40		mg/l	2.0
12/31/07	Carbon Dioxide,Free(25C)-Calc.		3.1		mg/l	2.0
01/09/08	Cation Sum - Calculated		8.3		meq/l	0.0020
12/27/07	Chloride		120	250	mg/l	5.0
12/29/07	Fluoride		0.10	4	mg/l	0.050
01/08/08	Iron, Total, ICAP		0.76	0.3	mg/l	0.040
01/09/08	Langelier Index - 25 degree		0.0		None	
01/08/08	Magnesium, Total, ICAP		23		mg/l	0.20
01/07/08	Manganese, Total, ICAP/MS		83	50	ug/l	2.0
01/04/08	Metals digestion performed.		Y		Yes/No	
12/27/07	Nitrate as NO3 (calc)		6.7	45	mg/l	2.2
12/27/07	Nitrate as Nitrogen by IC		1.5	10	mg/l	0.50
12/28/07	PH (H3=past HT, not compliant)		7.8	6.5-8.5	Units	0.010
01/08/08	Potassium, Total, ICAP		3.2		mg/l	2.0
01/08/08	Sodium, Total, ICAP		100		mg/l	2.0

SUMMARY OF POSITIVE DATA ONLY.



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Laboratory  
Hits Report  
#226073

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
<b>2712270363 R-002</b>						
12/28/07		Specific Conductance	887		umho/cm	2.0
12/27/07		Sulfate	110	250	mg/l	2.5
01/02/08		Total Dissolved Solid (TDS)	490	500	mg/l	10
01/09/08		Total Hardness as CaCO3 by ICP	190		mg/l	6.0
12/31/07		Total Nitrate, Nitrite-N, CALC	1.5	10	mg/l	0.50
01/03/08		Total phosphorus as P	0.14		mg/l	0.020
01/09/08		pH of CaCO3 saturation(25C)	7.8		Units	0.20
01/09/08		pH of CaCO3 saturation(60C)	7.3		Units	0.20
<b>2712270364 R-003</b>						
01/09/08		Agressiveness Index-Calculated	12		None	0.20
12/28/07		Alkalinity in CaCO3 units	118		mg/l	2.0
01/07/08		Aluminum, Total, ICAP/MS	350	200	ug/l	20
01/03/08		Anion Sum - Calculated	8.2		meq/l	0.0050
01/07/08		Arsenic, Total, ICAP/MS	1.8	10	ug/l	1.0
01/07/08		Barium, Total, ICAP/MS	52	2000	ug/l	2.0
12/31/07		Bicarb.Alkalinity as HCO3,calc	140		mg/l	2.0
01/08/08		Boron, Total, ICAP	0.46		mg/l	0.10
01/08/08		Calcium, Total, ICAP	38		mg/l	2.0
12/31/07		Carbon Dioxide,Free(25C)-Calc.	3.6		mg/l	2.0
01/09/08		Cation Sum - Calculated	8.1		meq/l	0.0020
12/27/07		Chloride	120	250	mg/l	5.0
01/22/08		Chromium, Total, ICAP/MS	1.9	100	ug/l	1.0
12/29/07		Fluoride	0.11	4	mg/l	0.050
01/08/08		Iron, Total, ICAP	0.64	0.3	mg/l	0.040
01/09/08		Langelier Index - 25 degree	0.1		None	
01/08/08		Magnesium, Total, ICAP	22		mg/l	0.20
01/07/08		Manganese, Total, ICAP/MS	78	50	ug/l	2.0

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**Laboratory**  
**Hits Report**  
**#226073**

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
2712270364		R-003				
01/04/08	Metals digestion performed.		Y		Yes/No	
12/27/07	Nitrate as NO3 (calc)		7.0	45	mg/l	2.2
12/27/07	Nitrate as Nitrogen by IC		1.6	10	mg/l	0.50
12/28/07	PH (H3=past HT, not compliant)		7.8	6.5-8.5	Units	0.010
01/08/08	Potassium, Total, ICAP		3.2		mg/l	2.0
01/08/08	Sodium, Total, ICAP		98		mg/l	2.0
12/28/07	Specific Conductance		888		umho/cm	2.0
12/27/07	Sulfate		110	250	mg/l	2.5
01/02/08	Total Dissolved Solid (TDS)		500	500	mg/l	10
01/09/08	Total Hardness as CaCO3 by ICP		190		mg/l	6.0
12/31/07	Total Nitrate, Nitrite-N, CALC		1.6	10	mg/l	0.50
01/03/08	Total phosphorus as P		0.16		mg/l	0.020
01/09/08	pH of CaCO3 saturation(25C)		7.7		Units	0.20
01/09/08	pH of CaCO3 saturation(60C)		7.3		Units	0.20
2712270365		R-005				
01/09/08	Agressiveness Index-Calculated		12		None	0.20
12/28/07	Alkalinity in CaCO3 units		121		mg/l	2.0
01/07/08	Aluminum, Total, ICAP/MS		180	200	ug/l	20
01/03/08	Anion Sum - Calculated		8.5		meq/l	0.005
01/07/08	Arsenic, Total, ICAP/MS		1.6	10	ug/l	1.0
01/07/08	Barium, Total, ICAP/MS		50	2000	ug/l	2.0
12/31/07	Bicarb.Alkalinity as HCO3,calc		150		mg/l	2.0
01/08/08	Boron, Total, ICAP		0.47		mg/l	0.10
01/08/08	Calcium, Total, ICAP		39		mg/l	2.0
12/31/07	Carbon Dioxide,Free(25C)-Calc.		3.9		mg/l	2.0
01/09/08	Cation Sum - Calculated		8.2		meq/l	0.002
12/27/07	Chloride		130	250	mg/l	5.0

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**Laboratory**  
**Hits Report**  
**#226073**

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
2712270365		R-005				
01/22/08	Chromium, Total, ICAP/MS	1.3	100	ug/l	1.0	
12/29/07	Fluoride	0.10	4	mg/l	0.050	
01/08/08	Iron, Total, ICAP	0.41	0.3	mg/l	0.040	
01/09/08	Langelier Index - 25 degree	0.1		None		
01/08/08	Magnesium, Total, ICAP	22		mg/l	0.20	
01/07/08	Manganese, Total, ICAP/MS	53	50	ug/l	2.0	
01/04/08	Metals digestion performed.	Y		Yes/No		
12/27/07	Nitrate as NO3 (calc)	6.2	45	mg/l	2.2	
12/27/07	Nitrate as Nitrogen by IC	1.4	10	mg/l	0.50	
12/28/07	PH (H3=past HT, not compliant)	7.8	6.5-8.5	Units	0.010	
01/08/08	Potassium, Total, ICAP	3.0		mg/l	2.0	
01/08/08	Sodium, Total, ICAP	100		mg/l	2.0	
12/28/07	Specific Conductance	891		umho/cm	2.0	
12/27/07	Sulfate	110	250	mg/l	2.5	
01/02/08	Total Dissolved Solid (TDS)	500	500	mg/l	10	
01/09/08	Total Hardness as CaCO3 by ICP	190		mg/l	6.0	
12/31/07	Total Nitrate, Nitrite-N, CALC	1.4	10	mg/l	0.50	
01/03/08	Total phosphorus as P	0.13		mg/l	0.020	
01/09/08	pH of CaCO3 saturation(25C)	7.7		Units	0.20	
01/09/08	pH of CaCO3 saturation(60C)	7.2		Units	0.20	
2712270366		R-006				
01/09/08	Agressiveness Index-Calculated	12		None	0.20	
12/28/07	Alkalinity in CaCO3 units	113		mg/l	2.0	
01/07/08	Aluminum, Total, ICAP/MS	220	200	ug/l	20	
01/03/08	Anion Sum - Calculated	8.0		meq/l	0.0050	
01/07/08	Arsenic, Total, ICAP/MS	1.7	10	ug/l	1.0	
01/07/08	Barium, Total, ICAP/MS	50	2000	ug/l	2.0	

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**Laboratory**  
**Hits Report**  
**#226073**

City of Tracy  
 Erich Delmas  
 Public Works Laboratory  
 3900 Holly Drive  
 Tracy, CA 95304

Samples Received  
 27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
<hr/>						
	<b>2712270366</b>	<b>R-006</b>				
12/31/07	Bicarb. Alkalinity as HCO <sub>3</sub> , calc	140			mg/l	2.0
01/08/08	Boron, Total, ICAP	0.47			mg/l	0.10
01/08/08	Calcium, Total, ICAP	37			mg/l	2.0
12/31/07	Carbon Dioxide, Free(25C)-Calc.	3.6			mg/l	2.0
01/09/08	Cation Sum - Calculated	7.7			meq/l	0.0020
12/27/07	Chloride	120	250		mg/l	5.0
01/22/08	Chromium, Total, ICAP/MS	1.5	100		ug/l	1.0
12/29/07	Fluoride	0.10	4		mg/l	0.050
01/08/08	Iron, Total, ICAP	0.48	0.3		mg/l	0.040
01/09/08	Langelier Index - 25 degree	0.1			None	
01/08/08	Magnesium, Total, ICAP	21			mg/l	0.20
01/07/08	Manganese, Total, ICAP/MS	53	50		ug/l	2.0
01/04/08	Metals digestion performed.	Y			Yes/No	
12/27/07	Nitrate as NO <sub>3</sub> (calc)	6.6	45		mg/l	2.2
12/27/07	Nitrate as Nitrogen by IC	1.5	10		mg/l	0.50
12/28/07	PH (H3=past HT, not compliant)	7.8	6.5-8.5		Units	0.010
01/08/08	Potassium, Total, ICAP	2.9			mg/l	2.0
01/08/08	Sodium, Total, ICAP	94			mg/l	2.0
12/28/07	Specific Conductance	900			umho/cm	2.0
12/27/07	Sulfate	110	250		mg/l	2.5
01/02/08	Total Dissolved Solid (TDS)	500	500		mg/l	10
01/09/08	Total Hardness as CaCO <sub>3</sub> by ICP	180			mg/l	6.0
12/31/07	Total Nitrate, Nitrite-N, CALC	1.5	10		mg/l	0.50
01/03/08	Total phosphorus as P	0.13			mg/l	0.020
01/09/08	pH of CaCO <sub>3</sub> saturation(25C)	7.7			Units	0.20
01/09/08	pH of CaCO <sub>3</sub> saturation(60C)	7.3			Units	0.20

**2712270367 M001**

**SUMMARY OF POSITIVE DATA ONLY.**

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**Laboratory**  
**Hits Report**  
**#226073**

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	<b>2712270367</b>	<b>M001</b>				
01/09/08		Agressiveness Index-Calculated	11		None	0.20
12/28/07		Alkalinity in CaCO3 units	152		mg/l	2.0
01/07/08		Aluminum, Total, ICAP/MS	42	200	ug/l	20
01/03/08		Anion Sum - Calculated	13		meq/l	0.0050
01/07/08		Arsenic, Total, ICAP/MS	1.6	10	ug/l	1.0
01/07/08		Barium, Total, ICAP/MS	21	2000	ug/l	2.0
12/31/07		Bicarb.Alkalinity as HCO3,calc	190		mg/l	2.0
01/08/08		Boron, Total, ICAP	1.1		mg/l	0.10
01/08/08		Calcium, Total, ICAP	50		mg/l	2.0
12/31/07		Carbon Dioxide,Free(25C)-Calc.	31		mg/l	2.0
01/09/08		Cation Sum - Calculated	14		meq/l	0.0020
12/27/07		Chloride	230	250	mg/l	5.0
01/22/08		Chromium, Total, ICAP/MS	2.3	100	ug/l	1.0
01/07/08		Copper, Total, ICAP/MS	7.9	1300	ug/l	2.0
01/03/08		Cyanide by manual distillation	0.010	0.2	mg/l	0.0050
12/29/07		Fluoride	0.11	4	mg/l	0.050
01/09/08		Langelier Index - 25 degree	-0.5		None	
01/08/08		Magnesium, Total, ICAP	27		mg/l	0.20
01/07/08		Manganese, Total, ICAP/MS	6.9	50	ug/l	2.0
01/04/08		Metals digestion performed.	Y		Yes/No	
12/27/07		Nitrate as NO3 (calc)	37	45	mg/l	2.2
12/27/07		Nitrate as Nitrogen by IC	8.3	10	mg/l	0.50
12/28/07		PH (H3=past HT, not compliant)	7.0	6.5-8.5	Units	0.010
01/08/08		Potassium, Total, ICAP	21		mg/l	2.0
01/08/08		Sodium, Total, ICAP	190		mg/l	2.0
12/28/07		Specific Conductance	1450		umho/cm	2.0
12/27/07		Sulfate	140	250	mg/l	2.5
01/02/08		Total Dissolved Solid (TDS)	840	500	mg/l	10
01/09/08		Total Hardness as CaCO3 by ICP	240		mg/l	6.0

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**Laboratory**  
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City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
2712270367		M001				
12/31/07	Total Nitrate, Nitrite-N, CALC	8.3	10	mg/l	0.50	
01/03/08	Total phosphorus as P	3.6		mg/l	0.020	
01/07/08	Vanadium, Total, ICAP/MS	4.0		ug/l	3.0	
01/07/08	Zinc, Total, ICAP/MS	39	5000	ug/l	20	
01/09/08	pH of CaCO3 saturation(25C)	7.5		Units	0.20	
01/09/08	pH of CaCO3 saturation(60C)	7.0		Units	0.20	
2712270368		GLOVER PK				
12/31/07	Agressiveness Index-Calculated	11		None	0.20	
12/28/07	Alkalinity in CaCO3 units	48		mg/l	2.0	
01/03/08	Anion Sum - Calculated	3.1		meq/l	0.0010	
01/11/08	Barium, Total, ICAP/MS	24	2000	ug/l	4.0	
12/31/07	Bicarb.Alkalinity as HCO3,calc	58		mg/l	2.0	
12/28/07	Boron, Total, ICAP	0.13		mg/l	0.10	
12/28/07	Calcium, Total, ICAP	21		mg/l	2.0	
12/31/07	Carbon Dioxide,Free(25C)-Calc.	2.4		mg/l	2.0	
12/31/07	Cation Sum - Calculated	3.2		meq/l	0.0020	
12/27/07	Chloride	51	250	mg/l	1.0	
01/11/08	Copper, Total, ICAP/MS	220	1300	ug/l	4.0	
12/29/07	Fluoride	0.05	4	mg/l	0.050	
12/31/07	Langelier Index - 25 degree	-0.8		None		
01/11/08	Lead, Total, ICAP/MS	9.1	15	ug/l	1.0	
12/28/07	Magnesium, Total, ICAP	8.7		mg/l	0.20	
12/27/07	Nitrate as NO3 (calc)	2.1	45	mg/l	0.44	
12/27/07	Nitrate as Nitrogen by IC	0.49	10	mg/l	0.10	
12/28/07	PH (H3=past HT, not compliant)	7.6	6.5-8.5	Units	0.010	
12/28/07	Sodium, Total, ICAP	34		mg/l	2.0	
12/28/07	Specific Conductance	369		umho/cm	2.0	

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Laboratory  
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City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
27-dec-2007 15:47:07

Analyzed	Sample#	Sample ID	Result	Federal MCL	UNITS	MRL
	2712270368	GLOVER PK				
12/27/07	Sulfate		33	250	mg/l	0.50
01/02/08	Total Dissolved Solid (TDS)		200	500	mg/l	10
12/31/07	Total Hardness as CaCO3 by ICP		88		mg/l	6.0
12/31/07	Total Nitrate, Nitrite-N, CALC		0.49	10	mg/l	0.10
12/31/07	pH of CaCO3 saturation(25C)		8.4		Units	0.20
12/31/07	pH of CaCO3 saturation(60C)		7.9		Units	0.20

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Laboratory  
Data Report  
#226073

City of Tracy  
Erich Delmas  
Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304

Samples Received  
12/27/07

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>R-001 (2712270360)      Sampled on 12/26/07 10:20</b>								
	01/07/08 22:05	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	1.0	2
	01/11/08 13:45	405812	( SM 2330 )	Agressiveness Index-Calculated	12	None	0.10	1
	01/07/08 22:05	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	280	ug/l	40	2
	12/28/07 00:00	404147	( SM 2320B/310.1)	Alkalinity in CaCO3 units	88	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	7.5	meq/l	0.0050	5
	01/07/08 22:05	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	ND	ug/l	2.0	2
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND	MFL	3.5	1
	01/08/08 01:27	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	0.46	mg/l	0.050	1
	01/07/08 22:05	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	52	ug/l	4.0	2
	01/07/08 22:05	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	2.0	2
	01/08/08 01:27	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	39	mg/l	1.0	1
	01/11/08 13:45	405812	( SM 1030E )	Cation Sum - Calculated	8.1	meq/l	0.0010	1
	01/07/08 22:05	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	1.0	2
	12/27/07 11:56	404104	( ML/EPA 300.0 )	Chloride	120	mg/l	5.0	5
12/31/07	12/31/07 00:00	404365	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	2.3	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	01/15/08 00:00	406398	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	2.0	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:05	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	4.0	2
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	885	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.10	mg/l	0.050	1
	01/08/08 01:27	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	0.67	mg/l	0.020	1
	01/11/08 13:45	405812	( SM 2340B )	Total Hardness as CaCO3 by ICP	190	mg/l	3.0	1
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	110	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:27	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	2.9	mg/l	1.0	1
	01/11/08 13:45	405812	( SM 2330B )	Langelier Index - 25 degree	0.1	None	0	1
	12/27/07 15:27	404026	( S 5540C/E425.1)	Surfactants	0.115	mg/l	0.050	1
	01/08/08 01:27	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	22	mg/l	0.10	1



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## Laboratory Data Report #226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	01/07/08 22:05	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	80	ug/l	4.0	2
	01/08/08 01:27	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	98	mg/l	1.0	1
	01/07/08 22:05	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	10	2
	12/27/07 11:56	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	1.5	mg/l	0.50	5
	12/27/07 11:56	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	1.5	mg/l	0.50	5
	12/27/07 11:56	404107	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	6.6	mg/l	2.2	5
	12/31/07 10:22	404338	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:05	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	1.0	2
	12/28/07 00:00	404279	( SM 4500-HE )	pH (H3=past HT, not compliant)	7.9	Units	0.010	1
	01/11/08 13:45	405612	( SM 2330B )	pH of CaCO3 saturation(25C)	7.8	Units	0.10	1
	01/11/08 13:45	405812	( SM 2330B )	pH of CaCO3 saturation(60C)	7.4	Units	0.10	1
	01/07/08 22:05	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	2.0	2
	01/07/08 22:05	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	10	2
	12/27/07 11:56	404118	( ML/EPA 300.0 )	Sulfate	110	mg/l	2.5	5
	01/03/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	0.13	mg/l	0.020	1
01/02/08	01/02/08 15:40	499064	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	490	mg/l	10	1
	01/07/08 22:05	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	2.0	2
	01/07/08 22:05	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	6.0	2
	01/07/08 22:05	405129	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	40	2

### R-002 (2712270363)

Sampled on 12/26/07 09:48

01/07/08 22:10	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
01/09/08 14:33	405464	( SM 2330 )	Agressiveness Index-Calculated	12	None	0.20	2
01/07/08 22:10	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	380	ug/l	20	1
12/28/07 00:00	404147	( SM 2320B/310.1 )	Alkalinity in CaCO3 units	101	mg/l	2.0	1
01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	7.8	meq/l	0.0050	5
01/07/08 22:10	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.9	ug/l	1.0	1
12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND	MFL	5.9	1
01/08/08 01:31	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	0.48	mg/l	0.10	2
01/07/08 22:10	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	54	ug/l	2.0	1
01/07/08 22:10	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
01/08/08 01:31	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	40	mg/l	2.0	2
01/09/08 14:33	405464	( SM 1030E )	Cation Sum - Calculated	8.3	meq/l	0.0020	2
01/07/08 22:10	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
12/27/07 12:37	404104	( ML/EPA 300.0 )	Chloride	120	mg/l	5.0	5





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# Laboratory Data Report #226073

## City of Tracy (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
12/31/07	12/31/07 00:00	404365	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	3.1	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	01/02/08 15:09	407451	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	ND	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:10	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	887	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.10	mg/l	0.050	1
	01/08/08 01:21	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	0.76	mg/l	0.040	2
	01/09/08 14:33	405464	( SM 2340B )	Total Hardness as CaCO3 by ICP	190	mg/l	6.0	2
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	120	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:31	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	3.2	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 2330B )	Langelier Index - 25 degree	0.0	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1 )	Surfactants	ND	mg/l	0.050	1
	01/08/08 01:31	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	23	mg/l	0.20	2
	01/07/08 22:10	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	83	ug/l	2.0	1
	01/08/08 01:31	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	100	mg/l	2.0	2
	01/07/08 22:10	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 12:37	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	1.5	mg/l	0.50	5
	12/27/07 12:37	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	1.5	mg/l	0.50	5
	12/27/07 12:37	404107	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	6.7	mg/l	2.2	5
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:10	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/28/07 00:00	404279	( SM 4500-HB )	pH (H3-past HT, not compliant)	7.8	Units	0.010	1
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(25C)	7.8	Units	0.20	2
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(60C)	7.3	Units	0.20	2
	01/07/08 22:10	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:10	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 12:37	404118	( ML/EPA 300.0 )	Sulfate	110	mg/l	2.5	5
	01/02/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	0.14	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( EL60.1/SM2840C )	Total Dissolved Solid (TDS)	490	mg/l	10	1
	01/07/08 22:10	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:10	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	3.0	1



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Laboratory  
Data Report  
#226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	01/07/08 22:10	405129	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	20	1
<b>R-003 (2712270364)      Sampled on 12/26/07 09:30</b>								
	01/07/08 22:23	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	01/09/08 14:33	405464	( SM 2330 )	Agressiveness Index-Calculated	12	None	0.20	2
	01/07/08 22:23	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	350	ug/l	20	1
	12/28/07 00:00	404147	( SM 2320B/310.1 )	Alkalinity in CaCO3 units	118	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	8.2	meq/l	0.0050	5
	01/07/08 22:23	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.8	ug/l	1.0	1
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND(A7)	MFL	3.5	1
	01/08/08 01:35	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	0.46	mg/l	0.10	2
	01/07/08 22:23	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	52	ug/l	2.0	1
	01/07/08 22:23	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/08/08 01:35	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	38	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 1030E )	Cation Sum - Calculated	8.1	meq/l	0.0020	2
	01/07/08 22:23	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	12/27/07 12:51	404104	( ML/EPA 300.0 )	Chloride	120	mg/l	5.0	5
12/31/07	12/31/07 00:00	404365	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	3.6	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	01/22/08 15:12	407451	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	1.9	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:23	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	888	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.11	mg/l	0.050	1
	01/08/08 01:35	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	0.64	mg/l	0.040	2
	01/09/08 14:33	405464	( SM 2340B )	Total Hardness as CaCO3 by ICP	190	mg/l	6.0	2
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	140	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:35	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	3.2	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 2330B )	Langelier Index - 25 degree	0.1	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1 )	Surfactants	ND	mg/l	0.050	1
	01/08/08 01:35	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	22	mg/l	0.20	2
	01/07/08 22:23	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	78	ug/l	2.0	1
	01/08/08 01:35	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	98	mg/l	2.0	2



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**Laboratory  
Data Report  
#226073**

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MFL	Dilution
	01/07/08 22:23	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 12:51	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	1.6	mg/l	0.50	5
	12/27/07 12:51	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	1.6	mg/l	0.50	5
	12/27/07 12:51	404107	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	7.0	mg/l	2.2	5
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:23	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/28/07 00:00	404279	( SM 4500-HB )	PH (H3=past HT, not compliant)	7.8	Units	0.010	1
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(25C)	7.7	Units	0.20	2
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(60C)	7.3	Units	0.20	2
	01/07/08 22:23	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:23	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 12:51	404118	( ML/EPA 300.0 )	Sulfate	110	mg/l	2.5	5
	01/03/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	0.16	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	500	mg/l	10	1
	01/07/08 22:23	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:23	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	3.0	1
	01/07/08 22:23	405129	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	20	1

**R-005 (2712270365) Sampled on 12/26/07 08:45**

	01/07/08 22:28	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	01/09/08 14:33	405464	( SM 2330 )	Agressiveness Index-Calculated	12	None	0.20	2
	01/07/08 22:28	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	180	ug/l	20	1
	12/28/07 00:00	404147	( SM 2320B/310.1 )	Alkalinity in CaCO3 units	121	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	8.5	meq/l	0.0050	5
	01/07/08 22:28	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.6	ug/l	1.0	1
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND	MFL	3.5	1
	01/08/08 01:39	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	0.47	mg/l	0.10	2
	01/07/08 22:28	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	50	ug/l	2.0	1
	01/07/08 22:28	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/08/08 01:39	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	39	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 1030E )	Cation Sum - Calculated	8.2	meq/l	0.0020	2
	01/07/08 22:28	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	12/27/07 13:05	404104	( ML/EPA 300.0 )	Chloride	130	mg/l	5.0	5
12/31/07	12/31/07 00:00	404365	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	3.9	mg/l	2.0	1



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Laboratory  
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#226073

## City of Tracy (continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO <sub>3</sub> , Calculated	ND	mg/l	2.0	1
	01/22/08 15:15	407451	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	1.3	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:28	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	891	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.10	mg/l	0.050	1
	01/08/08 01:39	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	0.41	mg/l	0.040	2
	01/09/08 14:33	405464	( SM 2340B )	Total Hardness as CaCO <sub>3</sub> by ICP	190	mg/l	6.0	2
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO <sub>3</sub> ,calc	150	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:39	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	3.0	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 2330B )	Langelier Index - 25 degree	0.1	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1 )	Surfactants	ND	mg/l	0.050	1
	01/08/08 01:39	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	22	mg/l	0.20	2
	01/07/08 22:28	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	53	ug/l	2.0	1
	01/08/08 01:39	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	100	mg/l	2.0	2
	01/07/08 22:28	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 13:05	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	1.4	mg/l	0.50	5
	12/27/07 13:05	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	1.4	mg/l	0.50	5
	12/27/07 13:05	404107	( ML/EPA 300.0 )	Nitrate as NO <sub>3</sub> (calc)	6.2	mg/l	2.2	5
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:28	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/28/07 00:00	404279	( SM 4500-HB )	PH (H3-past HT, not compliant)	7.8	Units	0.010	1
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO <sub>3</sub> saturation(25C)	7.7	Units	0.20	2
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO <sub>3</sub> saturation(60C)	7.2	Units	0.20	2
	01/07/08 22:28	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:28	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 13:05	404118	( ML/EPA 300.0 )	Sulfate	110	mg/l	2.5	5
	01/03/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	0.13	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	500	mg/l	10	1
	01/07/08 22:28	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:28	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	3.0	1
	01/07/08 22:28	405139	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	20	1



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Laboratory  
Data Report  
#226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>R-006 (2712270366)      Sampled on 12/26/07 09:15</b>								
	01/07/08 22:32	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	01/09/08 14:33	405464	( SM 2330 )	Agressiveness Index-Calculated	12	None	0.20	2
	01/07/08 22:32	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	220	ug/l	20	1
	12/28/07 00:00	404147	( SM 2320B/310.1)	Alkalinity in CaCO3 units	113	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	8.0	meq/l	0.0050	5
	01/07/08 22:32	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.7	ug/l	1.0	1
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND	MFL	3.5	1
	01/08/08 01:43	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	0.47	mg/l	0.10	2
	01/07/08 22:32	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	50	ug/l	2.0	1
	01/07/08 22:32	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/08/08 01:43	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	37	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 1030E )	Cation Sum - Calculated	7.7	meq/l	0.0020	2
	01/07/08 22:32	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	12/27/07 13:18	404104	( ML/EPA 300.0 )	Chloride	120	mg/l	5.0	5
12/31/07	12/31/07 00:00	404365	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	3.6	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	01/22/08 15:18	407451	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	1.5	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:32	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	ND	ug/l	2.0	1
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	900	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.10	mg/l	0.050	1
	01/08/08 01:43	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	0.48	mg/l	0.040	2
	01/09/08 14:33	405464	( SM 2340B )	Total Hardness as CaCO3 by ICP	180	mg/l	6.0	2
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	140	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:43	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	2.9	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 2330B )	Langelier Index - 25 degree	0.1	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1)	Surfactants	ND	mg/l	0.050	1
	01/08/08 01:43	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	21	mg/l	0.20	2
	01/07/08 22:32	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	53	ug/l	2.0	1
	01/08/08 01:43	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	94	mg/l	2.0	2
	01/07/08 22:32	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1



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Laboratory  
Data Report  
#226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MPL	Dilution
	12/27/07 13:18	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	1.5	mg/l	0.50	5
	12/27/07 13:18	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	1.5	mg/l	0.50	5
	12/27/07 13:18	404107	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	6.6	mg/l	2.2	5
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:32	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/28/07 00:00	404279	( SM 4500-HB )	PH (R3=pass HT, not compliant)	7.8	Units	0.010	1
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(25C)	7.7	Units	0.20	2
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(60C)	7.3	Units	0.20	2
	01/07/08 22:32	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:32	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 13:18	404118	( ML/EPA 300.0 )	Sulfate	110	mg/l	2.5	5
	01/03/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	0.13	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( E150.1/SM2540C )	Total Dissolved Solid (TDS)	500	mg/l	10	1
	01/07/08 22:32	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:32	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	3.0	1
	01/07/08 22:32	405129	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	20	1
<b>M001 (2712270367) Sampled on 12/26/07 13:00</b>								
	01/07/08 22:36	405115	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	0.50	1
	01/09/08 14:33	405464	( SM 2330 )	Agressiveness Index-Calculated	11	None	0.20	2
	01/07/08 22:36	405143	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	42	ug/l	20	1
	12/28/07 00:00	404147	( SM 2320B/310.1 )	Alkalinity in CaCO3 units	152	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	13	meq/l	0.0050	5
	01/07/08 22:36	405131	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	1.6	ug/l	1.0	1
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND(A7)	MFL	3.5	1
	01/08/08 01:54	405258	( ML/EPA 200.7 )	Boron, Total, ICAP	1.1	mg/l	0.10	2
	01/07/08 22:36	405145	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	21	ug/l	2.0	1
	01/07/08 22:36	405114	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/08/08 01:54	405234	( ML/EPA 200.7 )	Calcium, Total, ICAP	50	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 1030E )	Cation Sum - Calculated	14	meq/l	0.0020	2
	01/07/08 22:36	405140	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	0.50	1
	12/27/07 13:32	404104	( ML/EPA 300.0 )	Chloride	230	mg/l	5.0	5
01/02/08	01/03/08 00:00	404513	( EPA 335.4 )	Cyanide by manual distillation	0.010	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	31	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1



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# Laboratory Data Report #226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	01/22/08 15:20	407451	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	2.3	ug/l	1.0	1
	12/27/07 12:19	404427	( SM3500C-E )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/07/08 22:36	405127	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	7.9	ug/l	2.0	1
	01/04/08 11:16		( EPA 200 Prep )	Metals digestion performed.	Y	Yes/No	0	1
	12/28/07 12:23	404167	( SM 2510R )	Specific Conductance	1450	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.11	mg/l	0.050	1
	01/08/08 01:54	405240	( ML/EPA 200.7 )	Iron, Total, ICAP	ND	mg/l	0.040	2
	01/09/08 14:33	405464	( SM 2340B )	Total Hardness as CaCO3 by ICP	240	mg/l	6.0	2
	12/31/07 10:22	404308	( SM 2330B )	Bicarb. Alkalinity as HCO3, calc	190	mg/l	2.0	1
	01/07/08 11:36	404937	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	01/08/08 01:54	405243	( ML/EPA 200.7 )	Potassium, Total, ICAP	21	mg/l	2.0	2
	01/09/08 14:33	405464	( SM 2330B )	Langelier Index - 25 degree	-0.5	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1 )	Surfactants	ND	mg/l	0.050	1
	01/08/08 01:54	405247	( ML/EPA 200.7 )	Magnesium, Total, ICAP	27	mg/l	0.20	2
	01/07/08 22:36	405156	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	6.9	ug/l	2.0	1
	01/08/08 01:54	405253	( ML/EPA 200.7 )	Sodium, Total, ICAP	190	mg/l	2.0	2
	01/07/08 22:36	405125	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 13:32	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.50	5
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	8.3	mg/l	0.50	5
	12/27/07 13:32	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	8.3	mg/l	0.50	5
	12/27/07 13:32	404107	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	37	mg/l	2.2	5
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/07/08 22:36	405149	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	ND	ug/l	0.50	1
	12/24/07 00:00	404279	( SM 4500-HB )	pH (H2-past HT, not compliant)	7.0	Units	0.010	1
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(25C)	7.5	Units	0.20	2
	01/09/08 14:33	405464	( SM 2330B )	pH of CaCO3 saturation(60C)	7.3	Units	0.20	2
	01/07/08 22:36	405142	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:36	405134	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	5.0	1
	12/27/07 13:32	404118	( ML/EPA 300.0 )	Sulfate	140	mg/l	2.5	5
	01/03/08 19:08	404756	( S4500PE/ 365.1 )	Total phosphorus as P	3.6	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( E160.1/SM2540C )	Total Dissolved Solid (TDS)	840	mg/l	10	1
	01/07/08 22:36	405147	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	1.0	1
	01/07/08 22:36	405152	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	4.0	ug/l	3.0	1
	01/07/08 22:36	405129	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	33	ug/l	20	1



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Laboratory  
Data Report  
#226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
<b>GLOVER PK (2712270368)      Sampled on 12/26/07 12:45</b>								
	01/11/08 05:20	405961	( ML/EPA 200.8 )	Silver, Total, ICAP/MS	ND	ug/l	1.0	2
	12/31/07 10:22	404328	( SM 2330 )	Agressiveness Index-Calculated	11	None	0.20	2
	01/11/08 05:20	405855	( ML/EPA 200.8 )	Aluminum, Total, ICAP/MS	ND	ug/l	40	2
	12/28/07 00:00	404147	( SM 2320B/310.1)	Alkalinity in CaCO3 units	48	mg/l	2.0	1
	01/03/08 16:14	404650	( SM 1030E )	Anion Sum - Calculated	3.1	meq/l	0.0010	1
	01/11/08 05:20	405928	( ML/EPA 200.8 )	Arsenic, Total, ICAP/MS	ND	ug/l	2.0	2
	12/27/07 14:53		( EPA 100.2 )	Asbestos by TEM - >10 microns	ND	MFL	0.2	1
	12/28/07 20:58	404232	( ML/EPA 200.7 )	Boron, Total, ICAP	0.13	mg/l	0.10	2
	01/11/08 05:20	406001	( ML/EPA 200.8 )	Barium, Total, ICAP/MS	24	ug/l	4.0	2
	01/11/08 05:20	405894	( ML/EPA 200.8 )	Beryllium, Total, ICAP/MS	ND	ug/l	2.0	2
	12/28/07 20:58	404234	( ML/EPA 200.7 )	Calcium, Total, ICAP	21	mg/l	2.0	2
	12/31/07 10:22	404328	( SM 1030E )	Cation Sum - Calculated	3.2	meq/l	0.0020	2
	01/11/08 05:20	405975	( ML/EPA 200.8 )	Cadmium, Total, ICAP/MS	ND	ug/l	1.0	2
	12/27/07 13:45	404104	( ML/EPA 300.0 )	Chloride	51	mg/l	1.0	1
01/02/08	01/03/08 00:00	404513	( EPA 335.4 )	Cyanide by manual distillation	ND	mg/l	0.0050	1
	12/31/07 10:22	404328	( SM 4500-CO2-D )	Carbon Dioxide,Free(25C)-Calc.	2.4	mg/l	2.0	1
	12/31/07 10:22	404328	( SM 2330B )	Carbonate as CO3, Calculated	ND	mg/l	2.0	1
	01/11/08 05:20	405875	( ML/EPA 200.8 )	Chromium, Total, ICAP/MS	ND	ug/l	2.0	2
	12/27/07 12:19	404427	( SM3500CrD )	Hexavalent chromium (Cr VI)	ND(H3)	mg/l	0.0050	1
	01/11/08 05:20	405901	( ML/EPA 200.8 )	Copper, Total, ICAP/MS	220	ug/l	4.0	2
	12/28/07 12:23	404167	( SM 2510B )	Specific Conductance	369	umho/cm	2.0	1
	12/29/07 17:51	404385	( SM 4500F-C )	Fluoride	0.05	mg/l	0.050	1
	12/28/07 20:58	404238	( ML/EPA 200.7 )	Iron, Total, ICAP	ND	mg/l	0.040	2
	12/31/07 10:22	404328	( SM 2340B )	Total Hardness as CaCO3 by ICP	88	mg/l	6.0	2
	12/31/07 10:22	404328	( SM 2330B )	Bicarb.Alkalinity as HCO3,calc	58	mg/l	2.0	1
	01/07/08 11:36	404997	( EPA 245.1 )	Mercury	ND	ug/l	0.20	1
	12/28/07 20:58	404224	( ML/EPA 200.7 )	Potassium, Total, ICAP	ND	mg/l	2.0	2
	12/31/07 10:22	404328	( SM 2330B )	Langelier Index - 25 degree	-0.8	None	0	2
	12/27/07 15:27	404026	( S 5540C/E425.1)	Surfactants	ND	mg/l	0.050	1
	12/28/07 20:58	404226	( ML/EPA 200.7 )	Magnesium, Total, ICAP	8.7	mg/l	0.20	2
	01/11/08 05:20	405881	( ML/EPA 200.8 )	Manganese, Total, ICAP/MS	ND	ug/l	4.0	2
	12/28/07 20:58	404230	( ML/EPA 200.7 )	Sodium, Total, ICAP	34	mg/l	2.0	2
	01/11/08 05:20	405895	( ML/EPA 200.8 )	Nickel, Total, ICAP/MS	ND	ug/l	10	2
	12/27/07 13:45	404112	( ML/EPA 300.0 )	Nitrite, Nitrogen by IC	ND	mg/l	0.10	1





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## Laboratory Data Report #226073

City of Tracy  
(continued)

Prepared	Analyzed	QC Ref#	Method	Analyte	Result	Units	MRL	Dilution
	12/31/07 10:22	404328	( ML/EPA 300.0 )	Total Nitrate, Nitrite-N, CALC	0.49	mg/l	0.10	1
	12/27/07 13:45	404115	( ML/EPA 300.0 )	Nitrate as Nitrogen by IC	0.49	mg/l	0.10	1
	12/27/07 13:45	404170	( ML/EPA 300.0 )	Nitrate as NO3 (calc)	2.1	mg/l	0.44	1
	12/31/07 10:22	404328	( SM 2330B )	Hydroxide as OH, Calculated	ND	mg/l	2.0	1
	01/11/08 05:20	405856	( ML/EPA 200.8 )	Lead, Total, ICAP/MS	9.1	ug/l	1.0	2
	12/28/07 00:00	404279	( SM 4590-HB )	PH (H3-past HT, not compliant)	7.6	Units	0.015	1
	12/31/07 10:22	404328	( SM 2330B )	pH of CaCO3 saturation(25C)	8.4	Units	0.20	2
	12/31/07 10:22	404328	( SM 2330B )	pH of CaCO3 saturation(60C)	7.9	Units	0.20	2
	01/11/08 05:20	405989	( ML/EPA 200.8 )	Antimony, Total, ICAP/MS	ND	ug/l	2.0	2
	01/11/08 05:20	405946	( ML/EPA 200.8 )	Selenium, Total, ICAP/MS	ND	ug/l	10	2
	12/27/07 13:45	404118	( ML/EPA 300.0 )	Sulfate	33	mg/l	0.50	1
	01/03/08 19:08	404756	( 34500PE/ 365.1 )	Total phosphorus as P	ND	mg/l	0.020	1
01/02/08	01/02/08 15:40	405064	( 8160.1/SM2540C )	Total Dissolved Solid (TDS)	200	mg/l	10	1
	01/11/08 05:20	406015	( ML/EPA 200.8 )	Thallium, Total, ICAP/MS	ND	ug/l	2.0	2
	01/11/08 05:20	405868	( ML/EPA 200.8 )	Vanadium, Total, ICAP/MS	ND	ug/l	6.0	2
	01/11/08 05:20	405912	( ML/EPA 200.8 )	Zinc, Total, ICAP/MS	ND	ug/l	40	2



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Laboratory  
QC Summary  
#226073

City of Tracy

## QC Ref #0

### - Metals Turbidity

Analysis Date: 01/02/2008

2712270360	R-001	Analyzed by: jrf
2712270360	R-001	Analyzed by: jrf
2712270363	R-002	Analyzed by: jrf
2712270363	R-002	Analyzed by: jrf
2712270364	R-003	Analyzed by: jrf
2712270364	R-003	Analyzed by: jrf
2712270365	R-005	Analyzed by: jrf
2712270365	R-005	Analyzed by: jrf
2712270366	R-006	Analyzed by: jrf
2712270366	R-006	Analyzed by: jrf
2712270367	M001	Analyzed by: jrf
2712270367	M001	Analyzed by: jrf
2712270368	GLOVER PK	Analyzed by: jrf
2712270368	GLOVER PK	Analyzed by: jrf

## QC Ref #404026 - Surfactants

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: anh
2712270363	R-002	Analyzed by: anh
2712270364	R-003	Analyzed by: anh
2712270365	R-005	Analyzed by: anh
2712270366	R-006	Analyzed by: anh
2712270367	M001	Analyzed by: anh
2712270368	GLOVER PK	Analyzed by: anh

## QC Ref #404104 - Chloride

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: jkz
2712270363	R-002	Analyzed by: jkz
2712270364	R-003	Analyzed by: jkz
2712270365	R-005	Analyzed by: jkz
2712270366	R-006	Analyzed by: jkz
2712270367	M001	Analyzed by: jkz
2712270368	GLOVER PK	Analyzed by: jkz



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Laboratory  
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#226073

City of Tracy  
(continued)

## QC Ref #404107 - Nitrate as NO3 (calc)

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: jkz
2712270363	R-002	Analyzed by: jkz
2712270364	R-003	Analyzed by: jkz
2712270365	R-005	Analyzed by: jkz
2712270366	R-006	Analyzed by: jkz
2712270367	M001	Analyzed by: jkz

## QC Ref #404112 - Nitrite, Nitrogen by IC

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: jkz
2712270363	R-002	Analyzed by: jkz
2712270364	R-003	Analyzed by: jkz
2712270365	R-005	Analyzed by: jkz
2712270366	R-006	Analyzed by: jkz
2712270367	M001	Analyzed by: jkz
2712270368	GLOVER PK	Analyzed by: jkz

## QC Ref #404115 - Nitrate as Nitrogen by IC

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: jkz
2712270363	R-002	Analyzed by: jkz
2712270364	R-003	Analyzed by: jkz
2712270365	R-005	Analyzed by: jkz
2712270366	R-006	Analyzed by: jkz
2712270367	M001	Analyzed by: jkz
2712270368	GLOVER PK	Analyzed by: jkz

## QC Ref #404118 - Sulfate

Analysis Date: 12/27/2007

2712270360	R-001	Analyzed by: jkz
2712270363	R-002	Analyzed by: jkz
2712270364	R-003	Analyzed by: jkz
2712270365	R-005	Analyzed by: jkz
2712270366	R-006	Analyzed by: jkz
2712270367	M001	Analyzed by: jkz
2712270368	GLOVER PK	Analyzed by: jkz



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Laboratory  
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#226073

City of Tracy  
(continued)

## QC Ref #404147 - Alkalinity in CaCO3 units

Analysis Date: 12/28/2007

2712270360	R-001	Analyzed by: anh
2712270363	R-002	Analyzed by: anh
2712270364	R-003	Analyzed by: anh
2712270365	R-005	Analyzed by: anh
2712270366	R-006	Analyzed by: anh
2712270367	M001	Analyzed by: anh
2712270368	GLOVER PK	Analyzed by: anh

## QC Ref #404167 - Specific Conductance

Analysis Date: 12/28/2007

2712270360	R-001	Analyzed by: sar
2712270363	R-002	Analyzed by: sar
2712270364	R-003	Analyzed by: sar
2712270365	R-005	Analyzed by: sar
2712270366	R-006	Analyzed by: sar
2712270367	M001	Analyzed by: sar
2712270368	GLOVER PK	Analyzed by: sar

## QC Ref #404170 - Nitrate as NO3 (calc)

Analysis Date: 12/27/2007

2712270368	GLOVER PK	Analyzed by: jkz
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## QC Ref #404224 - Potassium, Total, ICAP

Analysis Date: 12/28/2007

2712270368	GLOVER PK	Analyzed by: wbh
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## QC Ref #404226 - Magnesium, Total, ICAP

Analysis Date: 12/28/2007

2712270368	GLOVER PK	Analyzed by: wbh
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Laboratory  
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City of Tracy  
(continued)

QC Ref #404230 - Sodium, Total, ICAP

Analysis Date: 12/28/2007

2712270368

GLOVER PK

Analyzed by: wbh

QC Ref #404232 - Boron, Total, ICAP

Analysis Date: 12/28/2007

2712270368

GLOVER PK

Analyzed by: wbh

QC Ref #404234 - Calcium, Total, ICAP

Analysis Date: 12/28/2007

2712270368

GLOVER PK

Analyzed by: wbh

QC Ref #404238 - Iron, Total, ICAP

Analysis Date: 12/28/2007

2712270368

GLOVER PK

Analyzed by: wbh

QC Ref #404279 - PH (H3=past HT, not compliant) Analysis Date: 12/28/2007

2712270360

R-001

Analyzed by: yvette

2712270363

R-002

Analyzed by: yvette

2712270364

R-003

Analyzed by: yvette

2712270365

R-005

Analyzed by: yvette

2712270366

R-006

Analyzed by: yvette

2712270367

M001

Analyzed by: yvette

2712270368

GLOVER PK

Analyzed by: yvette

QC Ref #404328 - Bicarb.Alkalinity as HCO<sub>3</sub>,calc Analysis Date: 12/31/2007

2712270360

R-001

Analyzed by: dwr

2712270360

R-001

Analyzed by: dwr

2712270360

R-001

Analyzed by: dwr

2712270360

R-001

Analyzed by: dwr

2712270360

R-001

Analyzed by: dwr

2712270363

R-002

Analyzed by: dwr

2712270363

R-002

Analyzed by: dwr

2712270363

R-002

Analyzed by: dwr

2712270363

R-002

Analyzed by: dwr



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QC Summary  
#226073

City of Tracy  
(continued)

2712270363	R-002	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr

QC Ref #404365 - Cyanide by manual distillation Analysis Date: 12/31/2007

2712270360	R-001	Analyzed by: lupe
2712270363	R-002	Analyzed by: lupe
2712270364	R-003	Analyzed by: lupe
2712270365	R-005	Analyzed by: lupe
2712270366	R-006	Analyzed by: lupe



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QC Summary  
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City of Tracy  
(continued)

**QC Ref #404385 - Fluoride**

**Analysis Date: 12/29/2007**

2712270360	R-001	Analyzed by: yvette
2712270363	R-002	Analyzed by: yvette
2712270364	R-003	Analyzed by: yvette
2712270365	R-005	Analyzed by: yvette
2712270366	R-006	Analyzed by: yvette
2712270367	M001	Analyzed by: yvette
2712270368	GLOVER PK	Analyzed by: yvette

**QC Ref #404427 - Hexavalent chromium (Cr VI)**

**Analysis Date: 12/27/2007**

2712270360	R-001	Analyzed by: azs
2712270363	R-002	Analyzed by: azs
2712270364	R-003	Analyzed by: azs
2712270365	R-005	Analyzed by: azs
2712270366	R-006	Analyzed by: azs
2712270367	M001	Analyzed by: azs
2712270368	GLOVER PK	Analyzed by: azs

**QC Ref #404513 - Cyanide by manual distillation**

**Analysis Date: 01/03/2008**

2712270367	M001	Analyzed by: lupe
2712270368	GLOVER PK	Analyzed by: lupe

**QC Ref #404650 - Anion Sum - Calculated**

**Analysis Date: 01/03/2008**

2712270360	R-001	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr
2712270368	GLOVER PK	Analyzed by: dwr



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(continued)

**QC Ref #404756 - Total phosphorus as P**

**Analysis Date: 01/03/2008**

2712270360	R-001	Analyzed by: njr
2712270363	R-002	Analyzed by: njr
2712270364	R-003	Analyzed by: njr
2712270365	R-005	Analyzed by: njr
2712270366	R-006	Analyzed by: njr
2712270367	M001	Analyzed by: njr
2712270368	GLOVER PK	Analyzed by: njr

**QC Ref #404997 - Mercury**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: azs
2712270363	R-002	Analyzed by: azs
2712270364	R-003	Analyzed by: azs
2712270365	R-005	Analyzed by: azs
2712270366	R-006	Analyzed by: azs
2712270367	M001	Analyzed by: azs
2712270368	GLOVER PK	Analyzed by: azs

**QC Ref #405064 - Total Dissolved Solid (TDS)**

**Analysis Date: 01/02/2008**

2712270360	R-001	Analyzed by: axa
2712270363	R-002	Analyzed by: axa
2712270364	R-003	Analyzed by: axa
2712270365	R-005	Analyzed by: axa
2712270366	R-006	Analyzed by: axa
2712270367	M001	Analyzed by: axa
2712270368	GLOVER PK	Analyzed by: axa

**QC Ref #405114 - Beryllium, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh





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City of Tracy  
(continued)

**QC Ref #405115 - Silver, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405125 - Nickel, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405127 - Copper, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405129 - Zinc, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh



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Laboratory  
QC Summary  
#226073

City of Tracy  
(continued)

**QC Ref #405131 - Arsenic, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405134 - Selenium, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405140 - Cadmium, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405142 - Antimony, Total, ICAP/MS**

**Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh



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Laboratory  
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City of Tracy  
(continued)

## QC Ref #405143 - Aluminum, Total, ICAP/MS

Analysis Date: 01/07/2008

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

## QC Ref #405145 - Barium, Total, ICAP/MS

Analysis Date: 01/07/2008

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

## QC Ref #405147 - Thallium, Total, ICAP/MS

Analysis Date: 01/07/2008

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

## QC Ref #405149 - Lead, Total, ICAP/MS

Analysis Date: 01/07/2008

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

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**Laboratory  
QC Summary  
#226073**

City of Tracy  
(continued)

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**QC Ref #405152 - Vanadium, Total, ICAP/MS****Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405156 - Manganese, Total, ICAP/MS****Analysis Date: 01/07/2008**

2712270360	R-001	Analyzed by: dyh
2712270363	R-002	Analyzed by: dyh
2712270364	R-003	Analyzed by: dyh
2712270365	R-005	Analyzed by: dyh
2712270366	R-006	Analyzed by: dyh
2712270367	M001	Analyzed by: dyh

**QC Ref #405234 - Calcium, Total, ICAP****Analysis Date: 01/08/2008**

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk

**QC Ref #405240 - Iron, Total, ICAP****Analysis Date: 01/08/2008**

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk



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Laboratory  
QC Summary  
#226073

City of Tracy  
(continued)

## QC Ref #405243 - Potassium, Total, ICAP

Analysis Date: 01/08/2008

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk

## QC Ref #405247 - Magnesium, Total, ICAP

Analysis Date: 01/08/2008

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk

## QC Ref #405253 - Sodium, Total, ICAP

Analysis Date: 01/08/2008

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk

## QC Ref #405258 - Boron, Total, ICAP

Analysis Date: 01/08/2008

2712270360	R-001	Analyzed by: csk
2712270363	R-002	Analyzed by: csk
2712270364	R-003	Analyzed by: csk
2712270365	R-005	Analyzed by: csk
2712270366	R-006	Analyzed by: csk
2712270367	M001	Analyzed by: csk



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QC Ref #405464 - (CatSum-AnSum)/(CatSum+AnSum) Analysis Date: 01/09/2008

2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270363	R-002	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270364	R-003	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270365	R-005	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270366	R-006	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr
2712270367	M001	Analyzed by: dwr



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City of Tracy  
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**QC Ref #405812 - (CatSum-AnSum)/(CatSum+AnSum) Analysis Date: 01/11/2008**

2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr
2712270360	R-001	Analyzed by: dwr

**QC Ref #405855 - Aluminum, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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**QC Ref #405856 - Lead, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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**QC Ref #405868 - Vanadium, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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**QC Ref #405875 - Chromium, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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**QC Ref #405881 - Manganese, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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**QC Ref #405894 - Beryllium, Total, ICAP/MS Analysis Date: 01/11/2008**

2712270368	GLOVER PK	Analyzed by: dyh
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QC Ref #405895 - Nickel, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405901 - Copper, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405912 - Zinc, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405928 - Arsenic, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405946 - Selenium, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405961 - Silver, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405975 - Cadmium, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #405989 - Antimony, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh





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QC Ref #406001 - Barium, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #406015 - Thallium, Total, ICAP/MS	Analysis Date: 01/11/2008
2712270368 GLOVER PK	Analyzed by: dyh
QC Ref #406398 - Chromium, Total, ICAP/MS	Analysis Date: 01/15/2008
2712270360 R-001	Analyzed by: dyh
QC Ref #407451 - Chromium, Total, ICAP/MS	Analysis Date: 01/22/2008
2712270363 R-002	Analyzed by: nina
2712270364 R-003	Analyzed by: nina
2712270365 R-005	Analyzed by: nina
2712270366 R-006	Analyzed by: nina
2712270367 M001	Analyzed by: nina



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## QC Ref #404026

## Surfactants

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270419	MGL		( 0-0 )	
LCS1	Surfactants	0.20	0.198	MGL	99.0	( 90-110 )	
LCS2	Surfactants	0.20	0.200	MGL	100.0	( 90-110 )	
MBLK	Surfactants	ND	<0.050	MGL			
MRL_CHK	Surfactants	0.050	0.029	MGL	58.0	( 50-150 )	
MS	Surfactants	0.20	0.219	MGL	109.5	( 80-120 )	
MSD	Surfactants	0.20	0.211	MGL	105.5	( 80-120 )	
RPD_LCS	Surfactants	99.000	100.000	MGL	1.0	( 0-20 )	
RPD_MS	Surfactants	109.500	105.500	MGL	3.7	( 0-20 )	

## QC Ref #404104

## Chloride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270360	MGL	0.0	( 0-0 )	
LCS1	Chloride	25	25.8	MGL	103.2	( 90-110 )	
LCS2	Chloride	25	25.8	MGL	103.2	( 90-110 )	
MBLK	Chloride	ND	<1.0	MGL			
MRL_CHK	Chloride	0.500	0.453	MGL	90.6	( 50-150 )	
MS	Chloride	12.5	13.1	MGL	104.8	( 74-126 )	
MSD	Chloride	12.5	13.1	MGL	104.8	( 74-126 )	
RPD_LCS	Chloride	103.200	103.200	MGL	0.0	( 0-20 )	
RPD_MS	Chloride	104.800	104.800	MGL	0.0	( 0-20 )	

## QC Ref #404112

## Nitrite, Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270360	MGL	0.0	( 0-0 )	
LCS1	Nitrite, Nitrogen by IC	1.0	1.01	MGL	101.0	( 90-110 )	
LCS2	Nitrite, Nitrogen by IC	1.0	1.02	MGL	102.0	( 90-110 )	
MBLK	Nitrite, Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrite, Nitrogen by IC	0.050	0.0558	MGL	111.6	( 50-150 )	

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MS	Nitrite, Nitrogen by IC	0.500	0.51	MGL	102.0	( 78-135 )
MSD	Nitrite, Nitrogen by IC	0.500	0.513	MGL	102.6	( 78-135 )
RPD_LCS	Nitrite, Nitrogen by IC	101.000	102.000	MGL	1.0	( 0-20 )
RPD_MS	Nitrite, Nitrogen by IC	102.000	102.600	MGL	0.6	( 0-20 )

## QC Ref #404115

## Nitrate as Nitrogen by IC

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270312	MGL		( 0-0 )	
LCS1	Nitrate as Nitrogen by IC	2.5	2.50	MGL	100.0	( 90-110 )	
LCS2	Nitrate as Nitrogen by IC	2.5	2.49	MGL	99.6	( 90-110 )	
MBLK	Nitrate as Nitrogen by IC	ND	<0.10	MGL			
MRL_CHK	Nitrate as Nitrogen by IC	0.050	0.0488	MGL	97.6	( 50-150 )	
MS	Nitrate as Nitrogen by IC	1.25	1.20	MGL	96.0	( 80-112 )	
MSD	Nitrate as Nitrogen by IC	1.25	1.20	MGL	96.0	( 80-112 )	
RPD_LCS	Nitrate as Nitrogen by IC	100.000	99.600	MGL	0.4	( 0-20 )	
RPD_MS	Nitrate as Nitrogen by IC	96.000	96.000	MGL	0.0	( 0-20 )	

## QC Ref #404118

## Sulfate

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270360	MGL		( 0-0 )	
LCS1	Sulfate	50	51.1	MGL	102.2	( 90-110 )	
LCS2	Sulfate	50	51.1	MGL	102.2	( 90-110 )	
MBLK	Sulfate	ND	<0.50	MGL			
MRL_CHK	Sulfate	1.00	0.941	MGL	94.1	( 50-150 )	
MS	Sulfate	25	25.3	MGL	101.2	( 83-115 )	
MSD	Sulfate	25	25.3	MGL	101.2	( 83-115 )	
RPD_LCS	Sulfate	102.200	102.200	MGL	0.0	( 0-20 )	
RPD_MS	Sulfate	101.200	101.200	MGL	0.0	( 0-20 )	

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## QC Ref #404147 Alkalinity in CaCO3 units

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	270387	MGL		( 0-0 )	
LCS1	Alkalinity in CaCO3 units	100	102	MGL	102.0	( 90-110 )	
LCS2	Alkalinity in CaCO3 units	100	104	MGL	104.0	( 90-110 )	
MBLK	Alkalinity in CaCO3 units	ND	<2.0	MGL			
MRL_CHK	Alkalinity in CaCO3 units	2.00	2.50	MGL	125.0	( 50-150 )	
MS	Alkalinity in CaCO3 units	100	94	MGL	94.0	( 80-120 )	
MS2	Alkalinity in CaCO3 units	100	88	MGL	88.0	( 80-120 )	
MSD	Alkalinity in CaCO3 units	100	93	MGL	93.0	( 80-120 )	
MSD2	Alkalinity in CaCO3 units	100	85	MGL	85.0	( 80-120 )	
RPD_LCS	Alkalinity in CaCO3 units	102.000	104.000	MGL	1.9	( 0-10 )	
RPD_MS	Alkalinity in CaCO3 units	94.000	93.000	MGL	1.1	( 0-20 )	

## QC Ref #404167 Specific Conductance

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
DUP	Specific Conductance	369	364	UMHO		( 0-20 )	1.4
DUP2	Specific Conductance	646	639	UMHO		( 0-20 )	1.1
LCS1	Specific Conductance	1000	1020	UMHO	102.0	( 90-110 )	
LCS2	Specific Conductance	1000	1010	UMHO	101.0	( 90-110 )	
MBLK	Specific Conductance	ND	<2.0	UMHO			
MRL_CHK	Specific Conductance	2.00	2.11	UMHO	105.5	( 50-150 )	

## QC Ref #404224 Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	20.2	MGL	101.0	( 85-115 )	
LCS2	Potassium, Total, ICAP	20	19.8	MGL	99.0	( 85-115 )	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.970	MGL	97.0	( 50-150 )	

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MS	Potassium, Total, ICAP	20	20.9	MGL	102.5	( 70-130 )
MS2	Potassium, Total, ICAP	20	20.2	MGL	101.0	( 70-130 )
MSD	Potassium, Total, ICAP	20	20.9	MGL	104.5	( 70-130 )
MSD2	Potassium, Total, ICAP	20	20.3	MGL	101.5	( 70-130 )
RPD_LCS	Potassium, Total, ICAP	101.000	99.000	MGL	2.0	( 0-20 )
RPD_MS	Potassium, Total, ICAP	102.500	104.500	MGL	1.9	( 0-20 )

## QC Ref #404226 Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	21.2	MGL	106.0	( 85-115 )	
LCS2	Magnesium, Total, ICAP	20	20.6	MGL	103.0	( 85-115 )	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.107	MGL	107.0	( 50-150 )	
MS	Magnesium, Total, ICAP	20	19.7	MGL	98.5	( 70-130 )	
MS2	Magnesium, Total, ICAP	20	19.9	MGL	99.5	( 70-130 )	
MSD	Magnesium, Total, ICAP	20	20.6	MGL	103.0	( 70-130 )	
MSD2	Magnesium, Total, ICAP	20	20.1	MGL	100.5	( 70-130 )	
RPD_LCS	Magnesium, Total, ICAP	106.000	103.000	MGL	2.9	( 0-20 )	
RPD_MS	Magnesium, Total, ICAP	98.500	103.000	MGL	4.5	( 0-20 )	

## QC Ref #404230 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	51.7	MGL	103.4	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	50.3	MGL	100.6	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.02	MGL	102.0	( 50-150 )	
MS	Sodium, Total, ICAP	50	47.5	MGL	95.0	( 70-130 )	
MS2	Sodium, Total, ICAP	50	49.3	MGL	98.6	( 70-130 )	
MSD	Sodium, Total, ICAP	50	49.1	MGL	98.2	( 70-130 )	
MSD2	Sodium, Total, ICAP	50	49.7	MGL	99.4	( 70-130 )	
RPD_LCS	Sodium, Total, ICAP	103.400	100.600	MGL	2.7	( 0-20 )	
RPD_MS	Sodium, Total, ICAP	95.000	98.200	MGL	3.3	( 0-20 )	

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## QC Ref #404232 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.491	MGL	98.2	( 85-115 )	
LCS2	Boron, Total, ICAP	0.5	0.488	MGL	97.6	( 85-115 )	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0579	MGL	115.8	( 50-150 )	
MS	Boron, Total, ICAP	0.5	0.504	MGL	100.8	( 70-130 )	
MS2	Boron, Total, ICAP	0.5	0.485	MGL	97.0	( 70-130 )	
MSD	Boron, Total, ICAP	0.5	0.497	MGL	99.4	( 70-130 )	
MSD2	Boron, Total, ICAP	0.5	0.497	MGL	99.4	( 70-130 )	
RPD_LCS	Boron, Total, ICAP	98.200	97.600	MGL	0.6	( 0-20 )	
RPD_MS	Boron, Total, ICAP	100.800	99.400	MGL	1.4	( 0-20 )	

## QC Ref #404234 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	53.0	MGL	106.0	( 85-115 )	
LCS2	Calcium, Total, ICAP	50	51.7	MGL	103.4	( 85-115 )	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.03	MGL	103.0	( 50-150 )	
MS	Calcium, Total, ICAP	50	48.0	MGL	96.0	( 70-130 )	
MS2	Calcium, Total, ICAP	50	49.0	MGL	98.0	( 70-130 )	
MSD	Calcium, Total, ICAP	50	49.6	MGL	99.2	( 70-130 )	
MSD2	Calcium, Total, ICAP	50	49.2	MGL	98.4	( 70-130 )	
RPD_LCS	Calcium, Total, ICAP	106.000	103.400	MGL	2.5	( 0-20 )	
RPD_MS	Calcium, Total, ICAP	96.000	99.200	MGL	3.3	( 0-20 )	

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## QC Ref #404238

## Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	5.05	MGL	101.0	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	5.06	MGL	101.2	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.0187	MGL	93.5	( 50-150 )	
MS	Iron, Total, ICAP	5.0	5.21	MGL	104.2	( 70-130 )	
MS2	Iron, Total, ICAP	5.0	5.03	MGL	100.6	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	5.20	MGL	104.0	( 70-130 )	
MSD2	Iron, Total, ICAP	5.0	5.16	MGL	103.2	( 70-130 )	
RPD_LCS	Iron, Total, ICAP	101.000	101.200	MGL	0.2	( 0-20 )	
RPD_MS	Iron, Total, ICAP	104.200	104.000	MGL	0.2	( 0-20 )	

## QC Ref #404279

## PH (H3=past HT, not compliant)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270368	UNIT		( 0-0 )	
DUP	PH (H3=past HT, not compliant)	7.56	7.49	UNIT		( 0-20 )	0.9

## QC Ref #404365

## Cyanide by manual distillation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	12270360	MGL		( 0-0 )	
LCS1	Cyanide by manual distillation	0.1	.102	MGL	102.0	( 90-110 )	
LCS2	Cyanide by manual distillation	0.1	.101	MGL	101.0	( 90-110 )	
MBLK	Cyanide by manual distillation	ND	<0.0050	MGL			
MRL_CHK	Cyanide by manual distillation	0.005	0.00527	MGL	105.4	( 50-150 )	
MS	Cyanide by manual distillation	0.1	.107	MGL	107.0	( 90-110 )	
MSD	Cyanide by manual distillation	0.1	.108	MGL	108.0	( 90-110 )	

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City of Tracy  
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## QC Ref #404385

## Fluoride

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	12270562	MGL		( 0-0 )	
CCC3	Fluoride	10.0	10.3	MGL	103.0	( 81-116 )	
CCCH	Fluoride	10.0	10.3	MGL	103.0	( 81-116 )	
CCCL	Fluoride	0.5	0.504	MGL	100.8	( 81-116 )	
CCCM	Fluoride	0.5	0.502	MGL	100.4	( 81-116 )	
CCCS	Fluoride	0.05	0.045	MGL	90.0	( 50-150 )	
LCS1	Fluoride	1.00	1.01	MGL	101.0	( 81-116 )	
LCS2	Fluoride	1.00	1.06	MGL	106.0	( 81-116 )	
MBLK	Fluoride	ND	<0.050	MGL			
MRL_CHK	Fluoride	0.05	0.033	MGL	66.0	( 50-150 )	
MS	Fluoride	1.00	1.12	MGL	112.0	( 73-124 )	
MS2	Fluoride	1.00	1.15	MGL	115.0	( 73-124 )	
MSD	Fluoride	1.00	1.12	MGL	112.0	( 73-124 )	
MSD2	Fluoride	1.00	1.14	MGL	114.0	( 73-124 )	
RPD_LCS	Fluoride	101.000	106.000	MGL	4.8	( 0-20 )	
RPD_MS	Fluoride	112.000	112.000	MGL	0.0	( 0-20 )	

## QC Ref #404427

## Hexavalent chromium (Cr VI)

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12210366	MGL		( 0-0 )	
LCS1	Hexavalent chromium (Cr VI)	0.050	0.054	MGL	108.0	( 85-115 )	
LCS2	Hexavalent chromium (Cr VI)	0.050	0.051	MGL	102.0	( 85-115 )	
MBLK	Hexavalent chromium (Cr VI)	ND	<0.0050	MGL			
MRL_CHK	Hexavalent chromium (Cr VI)	0.005	0.005	MGL	100.0	( 50-150 )	
MS	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	( 70-130 )	
MSD	Hexavalent chromium (Cr VI)	0.05	0.055	MGL	110.0	( 70-130 )	

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## QC Ref #404513 Cyanide by manual distillation

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	12270367	MGL		( 0-0 )	
LCS1	Cyanide by manual distillation	0.1	0.104	MGL	104.0	( 90-110 )	
LCS2	Cyanide by manual distillation	0.1	0.104	MGL	104.0	( 90-110 )	
MBLK	Cyanide by manual distillation	ND	<0.0050	MGL			
MRL_CHK	Cyanide by manual distillation	0.005	0.00707	MGL	141.4	( 50-150 )	
MS	Cyanide by manual distillation	0.1	0.110	MGL	110.0	( 90-110 )	
MSD	Cyanide by manual distillation	0.1	0.110	MGL	110.0	( 90-110 )	

## QC Ref #404756 Total phosphorus as P

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	12270363	MGL		( 0-0 )	
LCS1	Total phosphorus as P	0.4	0.379	MGL	94.8	( 90-110 )	
LCS2	Total phosphorus as P	0.4	0.389	MGL	97.2	( 90-110 )	
MBLK	Total phosphorus as P	ND	<0.020	MGL			
MRL_CHK	Total phosphorus as P	0.02	0.019	MGL	95.0	( 50-150 )	
MS	Total phosphorus as P	0.4	0.419	MGL	104.7	( 90-110 )	
MS2	Total phosphorus as P	0.4	0.396	MGL	99.0	( 90-110 )	
MSD	Total phosphorus as P	0.4	0.411	MGL	102.7	( 90-110 )	
RPD_LCS	Total phosphorus as P	94.750	97.250	MGL	2.6	( 0-10 )	
RPD_MS	Total phosphorus as P	104.750	102.750	MGL	1.9	( 0-20 )	

## QC Ref #404997 Mercury

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
MS	Spiked sample	Lab # 27	12260246	UGL		( 0-0 )	
LCS1	Mercury	1.50	1.36	UGL	90.7	( 85-115 )	
LCS2	Mercury	1.50	1.37	UGL	91.3	( 85-115 )	
MBLK	Mercury	ND	<0.20	UGL			

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MRL_CHK	Mercury	0.200	0.194	UGL	97.0	( 50-150 )
MS	Mercury	1.50	1.39	UGL	92.7	( 70-130 )
MSD	Mercury	1.50	1.38	UGL	92.0	( 70-130 )
RPD_LCS	Mercury	90.667	91.333	UGL	0.7	( 0-20 )
RPD_MS	Mercury	92.667	92.000	UGL	0.7	( 0-20 )

**QC Ref #405064      Total Dissolved Solid (TDS)**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270365	MGL		( 0-0 )	
DUP	Total Dissolved Solid (TDS)	502	496	MGL		( 0-10 )	1.2
LCS1	Total Dissolved Solid (TDS)	175	156	MGL	89.1	( 80-114 )	
LCS2	Total Dissolved Solid (TDS)	700	698	MGL	99.7	( 80-114 )	
MBLK	Total Dissolved Solid (TDS)	ND	<10	MGL			
MRL_CHK	Total Dissolved Solid (TDS)	10.0	12	MGL	120.0	( 50-150 )	
RPD_LCS	Total Dissolved Solid (TDS)	89.143	99.714	MGL	11.2	( 0-20 )	

**QC Ref #405114      Beryllium, Total, ICAP/MS**

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL	0.0	( 0-0 )	
LCS1	Beryllium, Total, ICAP/MS	5.00	5.39	UGL	107.8	( 85-115 )	
LCS2	Beryllium, Total, ICAP/MS	5.00	5.20	UGL	104.0	( 85-115 )	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.942	UGL	94.2	( 50-150 )	
MS	Beryllium, Total, ICAP/MS	5.00	5.19	UGL	103.8	( 70-130 )	
MS2	Beryllium, Total, ICAP/MS	5.00	4.71	UGL	94.2	( 70-130 )	
MSD	Beryllium, Total, ICAP/MS	5.00	5.13	UGL	102.6	( 70-130 )	
MSD2	Beryllium, Total, ICAP/MS	5.00	4.69	UGL	93.8	( 70-130 )	
RPD_LCS	Beryllium, Total, ICAP/MS	107.800	104.000	UGL	3.6	( 0-20 )	
RPD_MS	Beryllium, Total, ICAP/MS	103.800	102.600	UGL	1.2	( 0-20 )	

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## QC Ref #405115

## Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL	0.0	( 0-0 )	
LCS1	Silver, Total, ICAP/MS	50	51.9	UGL	103.8	( 85-115 )	
LCS2	Silver, Total, ICAP/MS	50	50.7	UGL	101.4	( 85-115 )	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.512	UGL	102.4	( 50-150 )	
MS	Silver, Total, ICAP/MS	50	38.2	UGL	76.4	( 70-130 )	
MS2	Silver, Total, ICAP/MS	50	46.2	UGL	92.4	( 70-130 )	
MSD	Silver, Total, ICAP/MS	50	38.8	UGL	77.6	( 70-130 )	
MSD2	Silver, Total, ICAP/MS	50	46.9	UGL	93.8	( 70-130 )	
RPD_LCS	Silver, Total, ICAP/MS	103.800	101.400	UGL	2.3	( 0-20 )	
RPD_MS	Silver, Total, ICAP/MS	76.400	77.600	UGL	1.6	( 0-20 )	

## QC Ref #405125

## Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Nickel, Total, ICAP/MS	50	50.4	UGL	100.8	( 85-115 )	
LCS2	Nickel, Total, ICAP/MS	50	50.1	UGL	100.2	( 85-115 )	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	4.81	UGL	96.2	( 50-150 )	
MS	Nickel, Total, ICAP/MS	50	47.5	UGL	95.0	( 70-130 )	
MS2	Nickel, Total, ICAP/MS	50	44.4	UGL	88.8	( 70-130 )	
MSD	Nickel, Total, ICAP/MS	50	44.5	UGL	89.0	( 70-130 )	
MSD2	Nickel, Total, ICAP/MS	50	45.7	UGL	91.4	( 70-130 )	
RPD_LCS	Nickel, Total, ICAP/MS	100.800	100.200	UGL	0.6	( 0-20 )	
RPD_MS	Nickel, Total, ICAP/MS	95.000	89.000	UGL	6.5	( 0-20 )	

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## QC Ref #405127

## Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Copper, Total, ICAP/MS	100	99.6	UGL	99.6	( 85-115 )	
LCS2	Copper, Total, ICAP/MS	100	102	UGL	102.0	( 85-115 )	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	1.88	UGL	94.0	( 50-150 )	
MS	Copper, Total, ICAP/MS	100	93.6	UGL	93.6	( 70-130 )	
MS2	Copper, Total, ICAP/MS	100	89.1	UGL	89.1	( 70-130 )	
MSD	Copper, Total, ICAP/MS	100	92.5	UGL	92.5	( 70-130 )	
MSD2	Copper, Total, ICAP/MS	100	91.5	UGL	91.5	( 70-130 )	
RPD_LCS	Copper, Total, ICAP/MS	99.600	102.000	UGL	2.4	( 0-20 )	
RPD_MS	Copper, Total, ICAP/MS	93.600	92.500	UGL	1.2	( 0-20 )	

## QC Ref #405129

## Zinc, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Zinc, Total, ICAP/MS	100	104	UGL	104.0	( 85-115 )	
LCS2	Zinc, Total, ICAP/MS	100	105	UGL	105.0	( 85-115 )	
MBLK	Zinc, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Zinc, Total, ICAP/MS	20.0	18.6	UGL	93.0	( 50-150 )	
MS	Zinc, Total, ICAP/MS	100	94.5	UGL	94.5	( 70-130 )	
MS2	Zinc, Total, ICAP/MS	100	87.8	UGL	87.8	( 70-130 )	
MSD	Zinc, Total, ICAP/MS	100	94.6	UGL	94.6	( 70-130 )	
MSD2	Zinc, Total, ICAP/MS	100	87.5	UGL	87.5	( 70-130 )	
RPD_LCS	Zinc, Total, ICAP/MS	104.000	105.000	UGL	1.0	( 0-20 )	
RPD_MS	Zinc, Total, ICAP/MS	94.500	94.600	UGL	0.1	( 0-20 )	

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QC Ref #405131      Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Arsenic, Total, ICAP/MS	20	19.9	UGL	99.5	( 85-115 )	
LCS2	Arsenic, Total, ICAP/MS	20	19.7	UGL	98.5	( 85-115 )	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.01	UGL	101.0	( 50-150 )	
MS	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
MS2	Arsenic, Total, ICAP/MS	20	18.9	UGL	94.5	( 70-130 )	
MSD	Arsenic, Total, ICAP/MS	20	19.6	UGL	98.0	( 70-130 )	
MSD2	Arsenic, Total, ICAP/MS	20	19.7	UGL	98.5	( 70-130 )	
RPD_LCS	Arsenic, Total, ICAP/MS	99.500	98.500	UGL	1.0	( 0-20 )	
RPD_MS	Arsenic, Total, ICAP/MS	101.500	98.000	UGL	3.5	( 0-20 )	

QC Ref #405134      Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Selenium, Total, ICAP/MS	20	20.9	UGL	104.5	( 85-115 )	
LCS2	Selenium, Total, ICAP/MS	20	20.9	UGL	104.5	( 85-115 )	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.18	UGL	103.6	( 50-150 )	
MS	Selenium, Total, ICAP/MS	20	19.9	UGL	99.5	( 70-130 )	
MS2	Selenium, Total, ICAP/MS	20	17.5	UGL	87.5	( 70-130 )	
MSD	Selenium, Total, ICAP/MS	20	19.9	UGL	99.5	( 70-130 )	
MSD2	Selenium, Total, ICAP/MS	20	18.2	UGL	91.0	( 70-130 )	
RPD_LCS	Selenium, Total, ICAP/MS	104.500	104.500	UGL	0.0	( 0-20 )	
RPD_MS	Selenium, Total, ICAP/MS	99.500	99.500	UGL	0.0	( 0-20 )	

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## QC Ref #405140

## Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Cadmium, Total, ICAP/MS	20	21.1	UGL	105.5	( 85-115 )	
LCS2	Cadmium, Total, ICAP/MS	20	20.8	UGL	104.0	( 85-115 )	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.529	UGL	105.8	( 50-150 )	
MS	Cadmium, Total, ICAP/MS	20	20.3	UGL	101.5	( 70-130 )	
MS2	Cadmium, Total, ICAP/MS	20	18.8	UGL	94.0	( 70-130 )	
MSD	Cadmium, Total, ICAP/MS	20	19.7	UGL	98.5	( 70-130 )	
MSD2	Cadmium, Total, ICAP/MS	20	19.0	UGL	95.0	( 70-130 )	
RPD_LCS	Cadmium, Total, ICAP/MS	105.500	104.000	UGL	1.4	( 0-20 )	
RPD_MS	Cadmium, Total, ICAP/MS	101.500	98.500	UGL	3.0	( 0-20 )	

## QC Ref #405142

## Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Antimony, Total, ICAP/MS	50	51.9	UGL	103.8	( 85-115 )	
LCS2	Antimony, Total, ICAP/MS	50	51.2	UGL	102.4	( 85-115 )	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.06	UGL	106.0	( 50-150 )	
MS	Antimony, Total, ICAP/MS	50	51.6	UGL	103.2	( 70-130 )	
MS2	Antimony, Total, ICAP/MS	50	50.5	UGL	101.0	( 70-130 )	
MSD	Antimony, Total, ICAP/MS	50	50.4	UGL	100.8	( 70-130 )	
MSD2	Antimony, Total, ICAP/MS	50	51.3	UGL	102.6	( 70-130 )	
RPD_LCS	Antimony, Total, ICAP/MS	103.800	102.400	UGL	1.4	( 0-20 )	
RPD_MS	Antimony, Total, ICAP/MS	103.200	100.800	UGL	2.4	( 0-20 )	

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City of Tracy  
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## QC Ref #405143 Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Aluminum, Total, ICAP/MS	200	210	UGL	105.0	( 85-115 )	
LCS2	Aluminum, Total, ICAP/MS	200	210	UGL	105.0	( 85-115 )	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	18.1	UGL	72.4	( 50-150 )	
MS	Aluminum, Total, ICAP/MS	200	203	UGL	101.5	( 70-130 )	
MS2	Aluminum, Total, ICAP/MS	200	199	UGL	99.5	( 70-130 )	
MSD	Aluminum, Total, ICAP/MS	200	203	UGL	101.5	( 70-130 )	
MSD2	Aluminum, Total, ICAP/MS	200	188	UGL	94.0	( 70-130 )	
RPD_LCS	Aluminum, Total, ICAP/MS	105.000	105.000	UGL	0.0	( 0-20 )	
RPD_MS	Aluminum, Total, ICAP/MS	101.500	101.500	UGL	0.0	( 0-20 )	

## QC Ref #405145 Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Barium, Total, ICAP/MS	100	103	UGL	103.0	( 85-115 )	
LCS2	Barium, Total, ICAP/MS	100	101	UGL	101.0	( 85-115 )	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.04	UGL	102.0	( 50-150 )	
MS	Barium, Total, ICAP/MS	100	99.6	UGL	99.6	( 70-130 )	
MS2	Barium, Total, ICAP/MS	100	95.6	UGL	95.6	( 70-130 )	
MSD	Barium, Total, ICAP/MS	100	92.0	UGL	92.0	( 70-130 )	
MSD2	Barium, Total, ICAP/MS	100	99.0	UGL	99.0	( 70-130 )	
RPD_LCS	Barium, Total, ICAP/MS	103.000	101.000	UGL	2.0	( 0-20 )	
RPD_MS	Barium, Total, ICAP/MS	99.600	92.000	UGL	7.9	( 0-20 )	

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## QC Ref #405147      Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Thallium, Total, ICAP/MS	20.0	21.5	UGL	107.5	( 85-115 )	
LCS2	Thallium, Total, ICAP/MS	20.0	21.3	UGL	106.5	( 85-115 )	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.07	UGL	107.0	( 50-150 )	
MS	Thallium, Total, ICAP/MS	20.0	21.8	UGL	109.0	( 70-130 )	
MS2	Thallium, Total, ICAP/MS	20.0	21.4	UGL	107.0	( 70-130 )	
MSD	Thallium, Total, ICAP/MS	20.0	21.4	UGL	107.0	( 70-130 )	
MSD2	Thallium, Total, ICAP/MS	20.0	21.8	UGL	109.0	( 70-130 )	
RPD_LCS	Thallium, Total, ICAP/MS	107.500	106.500	UGL	0.9	( 0-20 )	
RPD_MS	Thallium, Total, ICAP/MS	109.000	107.000	UGL	1.9	( 0-20 )	

## QC Ref #405149      Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Lead, Total, ICAP/MS	20	21.3	UGL	106.5	( 85-115 )	
LCS2	Lead, Total, ICAP/MS	20	21.3	UGL	106.5	( 85-115 )	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.506	UGL	101.2	( 50-150 )	
MS	Lead, Total, ICAP/MS	20	21.2	UGL	106.0	( 70-130 )	
MS2	Lead, Total, ICAP/MS	20	20.8	UGL	104.0	( 70-130 )	
MSD	Lead, Total, ICAP/MS	20	20.7	UGL	103.5	( 70-130 )	
MSD2	Lead, Total, ICAP/MS	20	21.3	UGL	106.5	( 70-130 )	
RPD_LCS	Lead, Total, ICAP/MS	106.500	106.500	UGL	0.0	( 0-20 )	
RPD_MS	Lead, Total, ICAP/MS	106.000	103.500	UGL	2.4	( 0-20 )	

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City of Tracy  
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## QC Ref #405152 Vanadium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Vanadium, Total, ICAP/MS	100	99.1	UGL	99.1	( 85-115 )	
LCS2	Vanadium, Total, ICAP/MS	100	99.7	UGL	99.7	( 85-115 )	
MBLK	Vanadium, Total, ICAP/MS	ND	<3.0	UGL			
MRL_CHK	Vanadium, Total, ICAP/MS	3.000	2.91	UGL	97.0	( 50-150 )	
MS	Vanadium, Total, ICAP/MS	100	98.0	UGL	98.0	( 70-130 )	
MSD	Vanadium, Total, ICAP/MS	100	96.0	UGL	96.0	( 70-130 )	
RPD_LCS	Vanadium, Total, ICAP/MS	99.100	99.700	UGL	0.6	( 0-20 )	
RPD_MS	Vanadium, Total, ICAP/MS	98.000	96.000	UGL	2.1	( 0-20 )	

## QC Ref #405156 Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 27	01020067	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 27	12270565	UGL		( 0-0 )	
LCS1	Manganese, Total, ICAP/MS	50	51.4	UGL	102.8	( 85-115 )	
LCS2	Manganese, Total, ICAP/MS	50	51.4	UGL	102.8	( 85-115 )	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.00	UGL	100.0	( 50-150 )	
MS	Manganese, Total, ICAP/MS	50	49.8	UGL	99.6	( 70-130 )	
MS2	Manganese, Total, ICAP/MS	50	47.5	UGL	95.0	( 70-130 )	
MSD	Manganese, Total, ICAP/MS	50	48.8	UGL	97.6	( 70-130 )	
MSD2	Manganese, Total, ICAP/MS	50	50.2	UGL	100.4	( 70-130 )	
RPD_LCS	Manganese, Total, ICAP/MS	102.800	102.800	UGL	0.0	( 0-20 )	
RPD_MS	Manganese, Total, ICAP/MS	99.600	97.600	UGL	2.0	( 0-20 )	

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## QC Ref #405234 Calcium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Calcium, Total, ICAP	50	49.2	MGL	98.4	( 85-115 )	
LCS2	Calcium, Total, ICAP	50	51.1	MGL	102.2	( 85-115 )	
MBLK	Calcium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Calcium, Total, ICAP	1.000	1.06	MGL	106.0	( 50-150 )	
MS	Calcium, Total, ICAP	50	50.1	MGL	100.2	( 70-130 )	
MS2	Calcium, Total, ICAP	50	49.8	MGL	99.6	( 70-130 )	
MSD	Calcium, Total, ICAP	50	51.8	MGL	103.6	( 70-130 )	
MSD2	Calcium, Total, ICAP	50	48.6	MGL	97.2	( 70-130 )	
RPD_LCS	Calcium, Total, ICAP	98.400	102.200	MGL	3.8	( 0-20 )	
RPD_MS	Calcium, Total, ICAP	100.200	103.600	MGL	3.3	( 0-20 )	

## QC Ref #405240 Iron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Iron, Total, ICAP	5.0	4.95	MGL	99.0	( 85-115 )	
LCS2	Iron, Total, ICAP	5.0	5.04	MGL	100.8	( 85-115 )	
MBLK	Iron, Total, ICAP	ND	<0.020	MGL			
MRL_CHK	Iron, Total, ICAP	0.020	0.015	MGL	75.0	( 50-150 )	
MS	Iron, Total, ICAP	5.0	4.92	MGL	98.4	( 70-130 )	
MS2	Iron, Total, ICAP	5.0	5.18	MGL	103.6	( 70-130 )	
MSD	Iron, Total, ICAP	5.0	5.25	MGL	105.0	( 70-130 )	
MSD2	Iron, Total, ICAP	5.0	5.05	MGL	101.0	( 70-130 )	
RPD_LCS	Iron, Total, ICAP	99.000	100.800	MGL	1.8	( 0-20 )	
RPD_MS	Iron, Total, ICAP	98.400	105.000	MGL	6.5	( 0-20 )	

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City of Tracy  
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## QC Ref #405243

## Potassium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Potassium, Total, ICAP	20	19.4	MGL	97.0	( 85-115 )	
LCS2	Potassium, Total, ICAP	20	20.1	MGL	100.5	( 85-115 )	
MBLK	Potassium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Potassium, Total, ICAP	1.000	0.991	MGL	99.1	( 50-150 )	
MS	Potassium, Total, ICAP	20	19.5	MGL	97.5	( 70-130 )	
MS2	Potassium, Total, ICAP	20	21.1	MGL	105.5	( 70-130 )	
MSD	Potassium, Total, ICAP	20	20.5	MGL	102.5	( 70-130 )	
MSD2	Potassium, Total, ICAP	20	20.3	MGL	101.5	( 70-130 )	
RPD_LCS	Potassium, Total, ICAP	97.000	100.500	MGL	3.5	( 0-20 )	
RPD_MS	Potassium, Total, ICAP	97.500	102.500	MGL	5.0	( 0-20 )	

## QC Ref #405247

## Magnesium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Magnesium, Total, ICAP	20	19.9	MGL	99.5	( 85-115 )	
LCS2	Magnesium, Total, ICAP	20	20.7	MGL	103.5	( 85-115 )	
MBLK	Magnesium, Total, ICAP	ND	<0.10	MGL			
MRL_CHK	Magnesium, Total, ICAP	0.100	0.106	MGL	106.0	( 50-150 )	
MS	Magnesium, Total, ICAP	20	20.1	MGL	100.5	( 70-130 )	
MS2	Magnesium, Total, ICAP	20	20.3	MGL	101.5	( 70-130 )	
MSD	Magnesium, Total, ICAP	20	20.9	MGL	104.5	( 70-130 )	
MSD2	Magnesium, Total, ICAP	20	19.9	MGL	99.5	( 70-130 )	
RPD_LCS	Magnesium, Total, ICAP	99.500	103.500	MGL	3.9	( 0-20 )	
RPD_MS	Magnesium, Total, ICAP	100.500	104.500	MGL	3.9	( 0-20 )	

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## QC Ref #405253 Sodium, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Sodium, Total, ICAP	50	48.2	MGL	96.4	( 85-115 )	
LCS2	Sodium, Total, ICAP	50	49.6	MGL	99.2	( 85-115 )	
MBLK	Sodium, Total, ICAP	ND	<1.0	MGL			
MRL_CHK	Sodium, Total, ICAP	1.000	1.00	MGL	100.0	( 50-150 )	
MS	Sodium, Total, ICAP	50	43.4	MGL	86.8	( 70-130 )	
MS2	Sodium, Total, ICAP	50	50.7	MGL	101.4	( 70-130 )	
MSD	Sodium, Total, ICAP	50	46.9	MGL	93.8	( 70-130 )	
MSD2	Sodium, Total, ICAP	50	48.7	MGL	97.4	( 70-130 )	
RPD_LCS	Sodium, Total, ICAP	96.400	99.200	MGL	2.9	( 0-20 )	
RPD_MS	Sodium, Total, ICAP	86.800	93.800	MGL	7.8	( 0-20 )	

## QC Ref #405258 Boron, Total, ICAP

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
LCS1	Boron, Total, ICAP	0.5	0.504	MGL	100.8	( 85-115 )	
LCS2	Boron, Total, ICAP	0.5	0.516	MGL	103.2	( 85-115 )	
MBLK	Boron, Total, ICAP	ND	<0.050	MGL			
MRL_CHK	Boron, Total, ICAP	0.050	0.0633	MGL	126.6	( 50-150 )	
MS	Boron, Total, ICAP	0.5	0.513	MGL	102.6	( 70-130 )	
MS2	Boron, Total, ICAP	0.5	0.520	MGL	104.0	( 70-130 )	
MSD	Boron, Total, ICAP	0.5	0.521	MGL	104.2	( 70-130 )	
MSD2	Boron, Total, ICAP	0.5	0.515	MGL	103.0	( 70-130 )	
RPD_LCS	Boron, Total, ICAP	100.800	103.200	MGL	2.4	( 0-20 )	
RPD_MS	Boron, Total, ICAP	102.600	104.200	MGL	1.5	( 0-20 )	

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## QC Ref #405855

## Aluminum, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Aluminum, Total, ICAP/MS	200	213	UGL	106.5	( 85-115 )	
LCS2	Aluminum, Total, ICAP/MS	200	212	UGL	106.0	( 85-115 )	
MBLK	Aluminum, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Aluminum, Total, ICAP/MS	25.000	21.1	UGL	84.4	( 50-150 )	
MS	Aluminum, Total, ICAP/MS	200	230	UGL	115.0	( 70-130 )	
MS2	Aluminum, Total, ICAP/MS	200	216	UGL	108.0	( 70-130 )	
MSD	Aluminum, Total, ICAP/MS	200	231	UGL	115.5	( 70-130 )	
MSD2	Aluminum, Total, ICAP/MS	200	212	UGL	106.0	( 70-130 )	
RPD_LCS	Aluminum, Total, ICAP/MS	106.500	106.000	UGL	0.5	( 0-20 )	
RPD_MS	Aluminum, Total, ICAP/MS	115.000	115.500	UGL	0.4	( 0-20 )	

## QC Ref #405856

## Lead, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Lead, Total, ICAP/MS	20	21.7	UGL	108.5	( 85-115 )	
LCS2	Lead, Total, ICAP/MS	20	21.3	UGL	106.5	( 85-115 )	
MBLK	Lead, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Lead, Total, ICAP/MS	0.500	0.554	UGL	110.8	( 50-150 )	
MS	Lead, Total, ICAP/MS	20	22.9	UGL	114.5	( 70-130 )	
MS2	Lead, Total, ICAP/MS	20	21.4	UGL	107.0	( 70-130 )	
MSD	Lead, Total, ICAP/MS	20	23.3	UGL	116.5	( 70-130 )	
MSD2	Lead, Total, ICAP/MS	20	21.6	UGL	108.0	( 70-130 )	
RPD_LCS	Lead, Total, ICAP/MS	108.500	106.500	UGL	1.9	( 0-20 )	
RPD_MS	Lead, Total, ICAP/MS	114.500	116.500	UGL	1.7	( 0-20 )	

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## QC Ref #405868

## Vanadium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Vanadium, Total, ICAP/MS	100	104	UGL	104.0	( 85-115 )	
LCS2	Vanadium, Total, ICAP/MS	100	103	UGL	103.0	( 85-115 )	
MBLK	Vanadium, Total, ICAP/MS	ND	<3.0	UGL			
MRL_CHK	Vanadium, Total, ICAP/MS	3.000	3.21	UGL	107.0	( 50-150 )	
MS	Vanadium, Total, ICAP/MS	100	109	UGL	109.0	( 70-130 )	
MSD	Vanadium, Total, ICAP/MS	100	111	UGL	111.0	( 70-130 )	
RPD_LCS	Vanadium, Total, ICAP/MS	104.000	103.000	UGL	1.0	( 0-20 )	
RPD_MS	Vanadium, Total, ICAP/MS	109.000	111.000	UGL	1.8	( 0-20 )	

## QC Ref #405875

## Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	99.2	UGL	99.2	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	98.4	UGL	98.4	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.06	UGL	106.0	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	105	UGL	105.0	( 70-130 )	
MS2	Chromium, Total, ICAP/MS	100	103	UGL	103.0	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	107	UGL	107.0	( 70-130 )	
MSD2	Chromium, Total, ICAP/MS	100	102	UGL	102.0	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	99.200	98.400	UGL	0.8	( 0-20 )	
RPD_MS	Chromium, Total, ICAP/MS	105.000	107.000	UGL	1.9	( 0-20 )	

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## QC Ref #405881

## Manganese, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Manganese, Total, ICAP/MS	50	51.9	UGL	103.8	( 85-115 )	
LCS2	Manganese, Total, ICAP/MS	50	51.5	UGL	103.0	( 85-115 )	
MBLK	Manganese, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Manganese, Total, ICAP/MS	2.000	2.16	UGL	108.0	( 50-150 )	
MS	Manganese, Total, ICAP/MS	50	54.9	UGL	109.8	( 70-130 )	
MS2	Manganese, Total, ICAP/MS	50	52.9	UGL	105.8	( 70-130 )	
MSD	Manganese, Total, ICAP/MS	50	56.0	UGL	112.0	( 70-130 )	
MSD2	Manganese, Total, ICAP/MS	50	52.9	UGL	105.8	( 70-130 )	
RPD_LCS	Manganese, Total, ICAP/MS	103.800	103.000	UGL	0.8	( 0-20 )	
RPD_MS	Manganese, Total, ICAP/MS	109.800	112.000	UGL	2.0	( 0-20 )	

## QC Ref #405894

## Beryllium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Beryllium, Total, ICAP/MS	5.00	4.83	UGL	96.6	( 85-115 )	
LCS2	Beryllium, Total, ICAP/MS	5.00	4.90	UGL	98.0	( 85-115 )	
MBLK	Beryllium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Beryllium, Total, ICAP/MS	1.000	0.997	UGL	99.7	( 50-150 )	
MS	Beryllium, Total, ICAP/MS	5.00	5.20	UGL	104.0	( 70-130 )	
MS2	Beryllium, Total, ICAP/MS	5.00	5.39	UGL	107.8	( 70-130 )	
MSD	Beryllium, Total, ICAP/MS	5.00	5.26	UGL	105.2	( 70-130 )	
MSD2	Beryllium, Total, ICAP/MS	5.00	5.39	UGL	107.8	( 70-130 )	
RPD_LCS	Beryllium, Total, ICAP/MS	96.600	98.000	UGL	1.4	( 0-20 )	
RPD_MS	Beryllium, Total, ICAP/MS	104.000	105.200	UGL	1.1	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

QC Ref #405895

Nickel, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Nickel, Total, ICAP/MS	50	51.2	UGL	102.4	( 85-115 )	
LCS2	Nickel, Total, ICAP/MS	50	50.8	UGL	101.6	( 85-115 )	
MBLK	Nickel, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Nickel, Total, ICAP/MS	5.000	5.42	UGL	108.4	( 50-150 )	
MS	Nickel, Total, ICAP/MS	50	54.1	UGL	108.2	( 70-130 )	
MS2	Nickel, Total, ICAP/MS	50	49.7	UGL	99.4	( 70-130 )	
MSD	Nickel, Total, ICAP/MS	50	55.3	UGL	110.6	( 70-130 )	
MSD2	Nickel, Total, ICAP/MS	50	49.6	UGL	99.2	( 70-130 )	
RPD_LCS	Nickel, Total, ICAP/MS	102.400	101.600	UGL	0.8	( 0-20 )	
RPD_MS	Nickel, Total, ICAP/MS	108.200	110.600	UGL	2.2	( 0-20 )	

QC Ref #405901

Copper, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Copper, Total, ICAP/MS	100	100	UGL	100.0	( 85-115 )	
LCS2	Copper, Total, ICAP/MS	100	101	UGL	101.0	( 85-115 )	
MBLK	Copper, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Copper, Total, ICAP/MS	2.000	2.22	UGL	111.0	( 50-150 )	
MS	Copper, Total, ICAP/MS	100	109	UGL	109.0	( 70-130 )	
MS2	Copper, Total, ICAP/MS	100	99.4	UGL	99.4	( 70-130 )	
MSD	Copper, Total, ICAP/MS	100	110	UGL	110.0	( 70-130 )	
MSD2	Copper, Total, ICAP/MS	100	98.5	UGL	98.5	( 70-130 )	
RPD_LCS	Copper, Total, ICAP/MS	100.000	101.000	UGL	1.0	( 0-20 )	
RPD_MS	Copper, Total, ICAP/MS	109.000	110.000	UGL	0.9	( 0-20 )	

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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

QC Ref #405912 Zinc, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Zinc, Total, ICAP/MS	100	99.7	UGL	99.7	( 85-115 )	
LCS2	Zinc, Total, ICAP/MS	100	98.9	UGL	98.9	( 85-115 )	
MBLK	Zinc, Total, ICAP/MS	ND	<20	UGL			
MRL_CHK	Zinc, Total, ICAP/MS	20.0	21.3	UGL	106.5	( 50-150 )	
MS	Zinc, Total, ICAP/MS	100	110	UGL	110.0	( 70-130 )	
MS2	Zinc, Total, ICAP/MS	100	104	UGL	104.0	( 70-130 )	
MSD	Zinc, Total, ICAP/MS	100	112	UGL	112.0	( 70-130 )	
MSD2	Zinc, Total, ICAP/MS	100	105	UGL	105.0	( 70-130 )	
RPD_LCS	Zinc, Total, ICAP/MS	99.700	98.900	UGL	0.8	( 0-20 )	
RPD_MS	Zinc, Total, ICAP/MS	110.000	112.000	UGL	1.8	( 0-20 )	

QC Ref #405928 Arsenic, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Arsenic, Total, ICAP/MS	20	20.3	UGL	101.5	( 85-115 )	
LCS2	Arsenic, Total, ICAP/MS	20	20.4	UGL	102.0	( 85-115 )	
MBLK	Arsenic, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Arsenic, Total, ICAP/MS	1.000	1.07	UGL	107.0	( 50-150 )	
MS	Arsenic, Total, ICAP/MS	20	22.1	UGL	110.5	( 70-130 )	
MS2	Arsenic, Total, ICAP/MS	20	22.7	UGL	113.5	( 70-130 )	
MSD	Arsenic, Total, ICAP/MS	20	22.8	UGL	114.0	( 70-130 )	
MSD2	Arsenic, Total, ICAP/MS	20	22.7	UGL	113.5	( 70-130 )	
RPD_LCS	Arsenic, Total, ICAP/MS	101.500	102.000	UGL	0.5	( 0-20 )	
RPD_MS	Arsenic, Total, ICAP/MS	110.500	114.000	UGL	3.1	( 0-20 )	

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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

QC Ref #405946      Selenium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Selenium, Total, ICAP/MS	20	20.1	UGL	100.5	( 85-115 )	
LCS2	Selenium, Total, ICAP/MS	20	20.3	UGL	101.5	( 85-115 )	
MBLK	Selenium, Total, ICAP/MS	ND	<5.0	UGL			
MRL_CHK	Selenium, Total, ICAP/MS	5.000	5.27	UGL	105.4	( 50-150 )	
MS	Selenium, Total, ICAP/MS	20	22.2	UGL	111.0	( 70-130 )	
MS2	Selenium, Total, ICAP/MS	20	22.7	UGL	113.5	( 70-130 )	
MSD	Selenium, Total, ICAP/MS	20	22.9	UGL	114.5	( 70-130 )	
MSD2	Selenium, Total, ICAP/MS	20	22.4	UGL	112.0	( 70-130 )	
RPD_LCS	Selenium, Total, ICAP/MS	100.500	101.500	UGL	1.0	( 0-20 )	
RPD_MS	Selenium, Total, ICAP/MS	111.000	114.500	UGL	3.1	( 0-20 )	

QC Ref #405961      Silver, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Silver, Total, ICAP/MS	50	49.8	UGL	99.6	( 85-115 )	
LCS2	Silver, Total, ICAP/MS	50	49.5	UGL	99.0	( 85-115 )	
MBLK	Silver, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Silver, Total, ICAP/MS	0.500	0.618	UGL	123.6	( 50-150 )	
MS	Silver, Total, ICAP/MS	50	51.8	UGL	103.6	( 70-130 )	
MS2	Silver, Total, ICAP/MS	50	45.9	UGL	91.8	( 70-130 )	
MSD	Silver, Total, ICAP/MS	50	53.2	UGL	106.4	( 70-130 )	
MSD2	Silver, Total, ICAP/MS	50	42.8	UGL	85.6	( 70-130 )	
RPD_LCS	Silver, Total, ICAP/MS	99.600	99.000	UGL	0.6	( 0-20 )	
RPD_MS	Silver, Total, ICAP/MS	103.600	106.400	UGL	2.7	( 0-20 )	

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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

## QC Ref #405975

## Cadmium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Cadmium, Total, ICAP/MS	20	20.3	UGL	101.5	( 85-115 )	
LCS2	Cadmium, Total, ICAP/MS	20	20.0	UGL	100.0	( 85-115 )	
MBLK	Cadmium, Total, ICAP/MS	ND	<0.50	UGL			
MRL_CHK	Cadmium, Total, ICAP/MS	0.500	0.508	UGL	101.6	( 50-150 )	
MS	Cadmium, Total, ICAP/MS	20	21.7	UGL	108.5	( 70-130 )	
MS2	Cadmium, Total, ICAP/MS	20	20.4	UGL	102.0	( 70-130 )	
MSD	Cadmium, Total, ICAP/MS	20	22.5	UGL	112.5	( 70-130 )	
MSD2	Cadmium, Total, ICAP/MS	20	20.8	UGL	104.0	( 70-130 )	
RPD_LCS	Cadmium, Total, ICAP/MS	101.500	100.000	UGL	1.5	( 0-20 )	
RPD_MS	Cadmium, Total, ICAP/MS	108.500	112.500	UGL	3.6	( 0-20 )	

## QC Ref #405989

## Antimony, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Antimony, Total, ICAP/MS	50	49.8	UGL	99.6	( 85-115 )	
LCS2	Antimony, Total, ICAP/MS	50	49.8	UGL	99.6	( 85-115 )	
MBLK	Antimony, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Antimony, Total, ICAP/MS	1.000	1.25	UGL	125.0	( 50-150 )	
MS	Antimony, Total, ICAP/MS	50	53.1	UGL	106.2	( 70-130 )	
MS2	Antimony, Total, ICAP/MS	50	52.2	UGL	104.4	( 70-130 )	
MSD	Antimony, Total, ICAP/MS	50	54.5	UGL	109.0	( 70-130 )	
MSD2	Antimony, Total, ICAP/MS	50	52.5	UGL	105.0	( 70-130 )	
RPD_LCS	Antimony, Total, ICAP/MS	99.600	99.600	UGL	0.0	( 0-20 )	
RPD_MS	Antimony, Total, ICAP/MS	106.200	109.000	UGL	2.6	( 0-20 )	

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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

## QC Ref #406001

## Barium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Barium, Total, ICAP/MS	100	103	UGL	103.0	( 85-115 )	
LCS2	Barium, Total, ICAP/MS	100	102	UGL	102.0	( 85-115 )	
MBLK	Barium, Total, ICAP/MS	ND	<2.0	UGL			
MRL_CHK	Barium, Total, ICAP/MS	2.000	2.13	UGL	106.5	( 50-150 )	
MS	Barium, Total, ICAP/MS	100	108	UGL	108.0	( 70-130 )	
MS2	Barium, Total, ICAP/MS	100	96.5	UGL	96.5	( 70-130 )	
MSD	Barium, Total, ICAP/MS	100	108	UGL	108.0	( 70-130 )	
MSD2	Barium, Total, ICAP/MS	100	99	UGL	99.0	( 70-130 )	
RPD_LCS	Barium, Total, ICAP/MS	103.000	102.000	UGL	1.0	( 0-20 )	
RPD_MS	Barium, Total, ICAP/MS	108.000	108.000	UGL	0.0	( 0-20 )	

## QC Ref #406015

## Thallium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01030184	UGL		( 0-0 )	
AASPKSMP	Spiked sample	Lab # 28	01070278	UGL		( 0-0 )	
LCS1	Thallium, Total, ICAP/MS	20.0	20.5	UGL	102.5	( 85-115 )	
LCS2	Thallium, Total, ICAP/MS	20.0	20.1	UGL	100.5	( 85-115 )	
MBLK	Thallium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Thallium, Total, ICAP/MS	1.000	1.19	UGL	119.0	( 50-150 )	
MS	Thallium, Total, ICAP/MS	20.0	21.4	UGL	107.0	( 70-130 )	
MS2	Thallium, Total, ICAP/MS	20.0	20.5	UGL	102.5	( 70-130 )	
MSD	Thallium, Total, ICAP/MS	20.0	21.8	UGL	109.0	( 70-130 )	
MSD2	Thallium, Total, ICAP/MS	20.0	20.7	UGL	103.5	( 70-130 )	
RPD_LCS	Thallium, Total, ICAP/MS	102.500	100.500	UGL	2.0	( 0-20 )	
RPD_MS	Thallium, Total, ICAP/MS	107.000	109.000	UGL	1.9	( 0-20 )	

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Laboratory  
QC Report  
#226073

City of Tracy  
(continued)

## QC Ref #406398

## Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01080327	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	100	UGL	100.0	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	102	UGL	102.0	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.34	UGL	134.0	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	99.8	UGL	99.8	( 70-130 )	
MS2	Chromium, Total, ICAP/MS	100	98.8	UGL	98.8	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	99.3	UGL	99.3	( 70-130 )	
MSD2	Chromium, Total, ICAP/MS	100	97.0	UGL	97.0	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	100.000	102.000	UGL	2.0	( 0-20 )	
RPD_MS	Chromium, Total, ICAP/MS	99.800	99.300	UGL	0.5	( 0-20 )	

## QC Ref #407451

## Chromium, Total, ICAP/MS

QC	Analyte	Spiked	Recovered	Units	Yield (%)	Limits (%)	RPD (%)
AASPKSMP	Spiked sample	Lab # 28	01170494	UGL		( 0-0 )	
LCS1	Chromium, Total, ICAP/MS	100	104	UGL	104.0	( 85-115 )	
LCS2	Chromium, Total, ICAP/MS	100	104	UGL	104.0	( 85-115 )	
MBLK	Chromium, Total, ICAP/MS	ND	<1.0	UGL			
MRL_CHK	Chromium, Total, ICAP/MS	1.000	1.01	UGL	101.0	( 50-150 )	
MS	Chromium, Total, ICAP/MS	100	104	UGL	104.0	( 70-130 )	
MSD	Chromium, Total, ICAP/MS	100	104	UGL	104.0	( 70-130 )	
RPD_LCS	Chromium, Total, ICAP/MS	104.000	104.000	UGL	0.0	( 0-20 )	
RPD_MS	Chromium, Total, ICAP/MS	104.000	104.000	UGL	0.0	( 0-20 )	

Spikes which exceed Limits and Method Blanks with positive results are highlighted by Underlining.  
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MWH LABORATORIES  
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Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270360

Sample ID.: R-001

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 5  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 3.53

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by Sim for MAG Date 1/28/08

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750 Royal Oaks Drive, Suite 100, Monrovia, California 91016-3629  
(626) 386-1100

Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270363

Sample ID.: R-002

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 3  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 5.89

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 5.89  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 5.89  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 5.89  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by SIM for MAG Date 1/28/08

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Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270364

Sample ID.: R-003

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 5  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 3.53

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by sim for MAG Date 1/28/08



MWH LABORATORIES  
a division of MWH Americas, Inc.  
750 Royal Oaks Drive, Suite 100, Monrovia, California 91016-3629  
(626) 386-1100

Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270365

Sample ID.: R-005

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 5  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 3.53

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by SIM for MAG Date 1/28/08

MWH LABORATORIES  
a division of MWH Americas, Inc.  
750 Royal Oaks Drive, Suite 100, Monrovia, California 91016-3629  
(626) 386-1100

Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270366

Sample ID.: R-006

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 5  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 3.53

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by SIM for MAG Date 1/28/08

MWH LABORATORIES  
a division of MWH Americas, Inc.  
750 Royal Oaks Drive, Suite 100, Monrovia, California 91016-3629  
(626) 386-1100

Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270367

Sample ID.: M001

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 5  
Number of grid squares counted: 8  
Analytical sensitivity (RL / MFL): 3.53

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 3.53  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by SIM for MAG Date 11/28/08

MWH LABORATORIES  
a division of MWH Americas, Inc.  
750 Royal Oaks Drive, Suite 100, Monrovia, California 91016-3629  
(626) 386-1100

Report of Analysis for  
Asbestos by TEM - >10 microns  
in Water by EPA 100.2

City of Tracy

PO#:

Public Works Laboratory  
3900 Holly Drive  
Tracy, CA 95304  
Attn: Erich Delmas

Group#: 226073  
Phone #: (209) 831-4488

Date Sampled : 12/26/07  
Date Received : 12/27/07

Sampled by : CLIENT  
Analyzed by : CJB  
Date Filtered : 12/27/07

Lab#: 2712270368

Sample ID.: GLOVER PK

Total area of filter examined (sq mm): 1018  
Average grid size opening (sq mm): 0.0072024  
Sample ozonated: NO  
Sample volume filtered (ml): 75  
Number of grid squares counted: 10  
Analytical sensitivity (RL / MFL): 0.20

**ASBESTOS FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 0.20  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**ASBESTOS FIBERS > 10 MICRONS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 0.20  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

**TOTAL FIBERS**

Number of fibers counted: 0.00  
Mean fiber conc. (MFL): < 0.20  
Upper 95% cf.lim (MFL): 0.00  
Lower 95% cf.lim (MFL): 0.00  
Estimated Mass (ug/l): 0.0000

RL : Reporting Limit  
MFL : Million Fibers per Liter  
ND : Not detected  
NA : Not analyzed

Approved by sim for MAG Date 1/28/08

## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270360-226073 ~~EDT~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SIM for MAC

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 1020

Received @ Lab: 12/27/07

Completed: 01/15/08

System Name:

System Number:

COC ID: R-001

Name or Number of Sample Source:

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*****
*   User ID:                               Station Number: xxxxxxxx-xxx   *
*   Date/Time of Sample: |07|12|26|1020|   Laboratory Code: 9590       *
*                               YY MM DD TTTT                               YY MM DD   *
*                               Date Analysis completed: |08|01|15|       *
*   Submitted by: Erich Delmas           Phone #: (209) 831-4488       *
*****

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Page 1

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	190	
	mg/L	Calcium (Ca)	00916	39	
	mg/L	Magnesium (Mg)	00927	22	
	mg/L	Sodium (Na)	00929	98	
	mg/L	Potassium (K)	00937	2.9	
	meq/L	Total Cations	ENT01	8.1	
	mg/L	Total Alkalinity (as CaCO3)	00410	88	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	110	
	mg/L	Sulfate (SO4)	00945	110	0.5
	mg/L	Chloride (Cl)	00940	120	
45	mg/L	Nitrate (NO3)	71850	6.6	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.10	.1
	meq/L	Total Anions	ENT02	7.5	
6.5-8.5	Units	pH (laboratory)	00403	7.9	
	uhmo/cm	Specific Conductance (E.C.)	00095	885	
	mg/L	Total Filterable Residue	70300	490	
0.5	mg/L	MBAS	38260	0.115	
1000	ug/L	Aluminum (Al)	01105	280	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	670	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	80	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	0.1	
		Aggressiveness Index	82383	12	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	460	100
10000 ug/L		Nitrate + Nitrite as N	A-029	1500	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	2300	
ug/L		Vanadium	01087	<3.0	3.0

## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270363-226073 ~~EDT~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SIM for MAG

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 0948

Received @ Lab: 12/27/07

Completed: 01/22/08

System Name:

System Number:

COC ID: R-002

Name or Number of Sample Source:

\*\*\*\*\*

\* User ID:

Station Number: xxxxxxxx-xxx

\* Date/Time of Sample: |07|12|26|0948|

Laboratory Code: 9590

\* YY MM DD TTTT

YY MM DD

\* Submitted by: Erich Delmas

Date Analysis completed: |08|01|22|

Phone #: (209) 831-4488

\*\*\*\*\*

Page 1

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	190	
	mg/L	Calcium (Ca)	00916	40	
	mg/L	Magnesium (Mg)	00927	23	
	mg/L	Sodium (Na)	00929	100	
	mg/L	Potassium (K)	00937	3.2	
	meq/L	Total Cations	ENT01	8.3	
	mg/L	Total Alkalinity (as CaCO3)	00410	101	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	120	
	mg/L	Sulfate (SO4)	00945	110	0.5
	mg/L	Chloride (Cl)	00940	120	
45	mg/L	Nitrate (NO3)	71850	6.7	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.10	.1
	meq/L	Total Anions	ENT02	7.8	
6.5-8.5	Units	pH (laboratory)	00403	7.8	
	uhmo/cm	Specific Conductance (E.C.)	00095	887	
	mg/L	Total Filterable Residue	70300	490	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	380	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	760	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	83	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	0.0	
		Aggressiveness Index	82383	12	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	480	100
10000 ug/L		Nitrate + Nitrite as N	A-029	1500	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	3100	
ug/L		Vanadium	01087	<3.0	3.0



## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270364-226073 ~~EDT~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SIM for MAG

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 0930

Received @ Lab: 12/27/07

Completed: 01/22/08

System Name:

System Number:

COC ID: R-003

Name or Number of Sample Source:

\*\*\*\*\*

\* User ID: Station Number: xxxxxxxx-xxx \*

\* Date/Time of Sample: |07|12|26|0930| Laboratory Code: 9590 \*

\* YY MM DD TTTT YY MM DD \*

\* Date Analysis completed: |08|01|22| \*

\* Submitted by: Erich Delmas Phone #: (209) 831-4488 \*

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Page 1

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO <sub>3</sub> )	00900	190	
	mg/L	Calcium (Ca)	00916	38	
	mg/L	Magnesium (Mg)	00927	22	
	mg/L	Sodium (Na)	00929	98	
	mg/L	Potassium (K)	00937	3.2	
	meq/L	Total Cations	ENT01	8.1	
	mg/L	Total Alkalinity (as CaCO <sub>3</sub> )	00410	118	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO <sub>3</sub> )	00445	<2.000	
	mg/L	Bicarbonate (HCO <sub>3</sub> )	00440	140	
	mg/L	Sulfate (SO <sub>4</sub> )	00945	110	0.5
	mg/L	Chloride (Cl)	00940	120	
45	mg/L	Nitrate (NO <sub>3</sub> )	71850	7.0	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.11	.1
	meq/L	Total Anions	ENT02	8.2	
6.5-8.5	Units	pH (laboratory)	00403	7.8	
	uhmo/cm	Specific Conductance (E.C.)	00095	888	
	mg/L	Total Filterable Residue	70300	500	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	350	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	640	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	78	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	0.1	
		Aggressiveness Index	82383	12	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	460	100
10000 ug/L		Nitrate + Nitrite as N	A-029	1600	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	3600	
ug/L		Vanadium	01087	<3.0	3.0

## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270365-226073 ~~EDF~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SIM for MAG

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 0845

Received @ Lab: 12/27/07

Completed: 01/22/08

System Name:

System Number:

COC ID: R-005

Name or Number of Sample Source:

\*\*\*\*\*

\* User ID: Station Number: xxxxxxxx-xxx \*

\* Date/Time of Sample: |07|12|26|0845| Laboratory Code: 9590 \*

\* YY MM DD TTTT YY MM DD \*

\* Date Analysis completed: |08|01|22| \*

\* Submitted by: Erich Delmas Phone #: (209) 831-4488 \*

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Page 1

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	190	
	mg/L	Calcium (Ca)	00916	39	
	mg/L	Magnesium (Mg)	00927	22	
	mg/L	Sodium (Na)	00929	100	
	mg/L	Potassium (K)	00937	3.0	
	meq/L	Total Cations	ENT01	8.2	
	mg/L	Total Alkalinity (as CaCO3)	00410	121	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	150	
	mg/L	Sulfate (SO4)	00945	110	0.5
	mg/L	Chloride (Cl)	00940	130	
45	mg/L	Nitrate (NO3)	71850	6.2	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.10	.1
	meq/L	Total Anions	ENT02	8.5	
6.5-8.5	Units	pH (laboratory)	00403	7.8	
	uhmo/cm	Specific Conductance (E.C.)	00095	891	
	mg/L	Total Filterable Residue	70300	500	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	180	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	410	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	53	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	0.1	
		Aggressiveness Index	82383	12	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	470	100
10000 ug/L		Nitrate + Nitrite as N	A-029	1400	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	3900	
ug/L		Vanadium	01087	<3.0	3.0

## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270366-226073 ~~EDT~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: Sim for MAG

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 0915

Received @ Lab: 12/27/07

Completed: 01/22/08

System Name:

System Number:

COC ID: R-006

Name or Number of Sample Source:

\*\*\*\*\*

\* User ID:

Station Number: xxxxxxxx-xxx

\* Date/Time of Sample: |07|12|26|0915|

Laboratory Code: 9590

\* YY MM DD TTTT

YY MM DD

\* Submitted by: Erich Delmas

Date Analysis completed: |08|01|22|

Phone #: (209) 831-4488

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MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	180	
	mg/L	Calcium (Ca)	00916	37	
	mg/L	Magnesium (Mg)	00927	21	
	mg/L	Sodium (Na)	00929	94	
	mg/L	Potassium (K)	00937	2.9	
	meq/L	Total Cations	ENT01	7.7	
	mg/L	Total Alkalinity (as CaCO3)	00410	113	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	140	
	mg/L	Sulfate (SO4)	00945	110	0.5
	mg/L	Chloride (Cl)	00940	120	
45	mg/L	Nitrate (NO3)	71850	6.6	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.10	.1
	meq/L	Total Anions	ENT02	8.0	
6.5-8.5	Units	pH (laboratory)	00403	7.8	
	uhmo/cm	Specific Conductance (E.C.)	00095	900	
	mg/L	Total Filterable Residue	70300	500	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	220	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	480	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	53	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	0.1	
		Aggressiveness Index	82383	12	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	470	100
10000 ug/L		Nitrate + Nitrite as N	A-029	1500	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	3600	
ug/L		Vanadium	01087	<3.0	3.0

## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report: 01/25/08

Sample ID No. 2712270367-226073 ~~EDL~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SIM for MAC

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 1300

Received @ Lab: 12/27/07

Completed: 01/22/08

System Name:

System Number:

COC ID: M001

Name or Number of Sample Source:

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\* User ID: Station Number: xxxxxxxx-xxx \*

\* Date/Time of Sample: |07|12|26|1300| Laboratory Code: 9590 \*

\* YY MM DD TTTT YY MM DD \*

\* Date Analysis completed: |08|01|22| \*

\* Submitted by: Erich Delmas Phone #: (209) 831-4488 \*

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MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	240	
	mg/L	Calcium (Ca)	00916	50	
	mg/L	Magnesium (Mg)	00927	27	
	mg/L	Sodium (Na)	00929	190	
	mg/L	Potassium (K)	00937	21	
	meq/L	Total Cations	ENT01	14	
	mg/L	Total Alkalinity (as CaCO3)	00410	152	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	190	
	mg/L	Sulfate (SO4)	00945	140	0.5
	mg/L	Chloride (Cl)	00940	230	
45	mg/L	Nitrate (NO3)	71850	37	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	0.11	.1
	meq/L	Total Anions	ENT02	13	
6.5-8.5	Units	pH (laboratory)	00403	7.0	
	uhmo/cm	Specific Conductance (E.C.)	00095	1450	
	mg/L	Total Filterable Residue	70300	840	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	<50.0	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	<50.	50.
300	ug/L	Iron (Fe)	01045	<100.	100.
	ug/L	Lead (Pb)	01051	<5.0	5.0
50	ug/L	Manganese (Mn)	01055	<20.	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	-0.5	
		Aggressiveness Index	82383	11	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	1100	100
10000 ug/L		Nitrate + Nitrite as N	A-029	8300	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	31000	
ug/L		Vanadium	01087	4.0	3.0



## GENERAL MINERAL &amp; PHYSICAL &amp; INORGANIC ANALYSIS (9/99)

Date of Report:01/25/08

Sample ID No. 2712270368-226073 ~~RDP~~

Laboratory

Signature Lab

Name: MWH Laboratories

Director: SM for MAC

Name of Sampler:

Employed By:

Date/Time Sample

Date/Time Sample

Date Analyses

Collected: 12/26/07 1245

Received @ Lab: 12/27/07

Completed: 01/11/08

System Name:

System Number:

COC ID: GLOVER PK

Name or Number of Sample Source:

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\* User ID: Station Number: xxxxxxxx-xxx \*

\* Date/Time of Sample: |07|12|26|1245| Laboratory Code: 9590 \*

\* YY MM DD TTTT YY MM DD \*

\* Date Analysis completed: |08|01|11| \*

\* Submitted by: Erich Delmas Phone #: (209) 831-4488 \*

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MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
	mg/L	Total Hardness (as CaCO3)	00900	88	
	mg/L	Calcium (Ca)	00916	21	
	mg/L	Magnesium (Mg)	00927	8.7	
	mg/L	Sodium (Na)	00929	34	
	mg/L	Potassium (K)	00937	<2.000	
	meq/L	Total Cations	ENT01	3.2	
	mg/L	Total Alkalinity (as CaCO3)	00410	48	
	mg/L	Hydroxide (OH)	71830	<2.000	
	mg/L	Carbonate (CO3)	00445	<2.000	
	mg/L	Bicarbonate (HCO3)	00440	58	
	mg/L	Sulfate (SO4)	00945	33	0.5
	mg/L	Chloride (Cl)	00940	51	
45	mg/L	Nitrate (NO3)	71850	2.1	2.0
2	mg/L	Fluoride (F) (Natural - Source)	00951	<.1	.1
	meq/L	Total Anions	ENT02	3.1	
6.5-8.5	Units	pH (laboratory)	00403	7.6	
	uhmo/cm	Specific Conductance (E.C.)	00095	369	
	mg/L	Total Filterable Residue	70300	200	
0.5	mg/L	MBAS	38260	<0.050	
1000	ug/L	Aluminum (Al)	01105	<50.0	50.0
6.	ug/L	Antimony	01097	<6.	6.
10	ug/L	Arsenic (As)	01002	<2.0	2.0
1000	ug/L	Barium (Ba)	01007	<100.	100.
4	ug/L	Beryllium	01012	<1.0	1.0
5	ug/L	Cadmium (Cd)	01027	<1.0	1.0
50	ug/L	Chromium (Total Cr)	01034	<10.0	10.0
1000	ug/L	Copper (Cu)	01042	220	50.
300	ug/L	Iron (Fe)	01045	<100.	100.
	ug/L	Lead (Pb)	01051	9.1	5.0
50	ug/L	Manganese (Mn)	01055	<20.	20.

MCL	REPORT UNITS	CHEMICAL	STORET CODE	ANALYSES RESULTS	DLR
2 ug/L		Mercury (Hg)	71900	<1.0	1.0
100 ug/L		Nickel	01067	<10.0	10.0
50 ug/L		Selenium (Se)	01147	<5.0	5.0
100 ug/L		Silver (Ag)	01077	<10.0	10.0
2 ug/L		Thallium	01059	<1.0	1.0
5000 ug/L		Zinc (Zn)	01092	<50.	50.
		Langelier Index at 25 C	71813	-0.8	
		Aggressiveness Index	82383	11	
7 MFL		Asbestos *	81855	<.2	.20
ug/L		Boron	01020	130	100
10000 ug/L		Nitrate + Nitrite as N	A-029	490	400
1000 ug/L		Nitrite as N (Nitrogen)	00620	<400	400
150 ug/L		Cyanide	01291	<100	100.
ug/L		Carbon Dioxide	77000	2400	
ug/L		Vanadium	01087	<3.0	3.0