



Mary Ann Mann
Utilities Manager
201 North Broadway, Escondido, CA 92025
Phone: 760-839-4528 Fax: 760-839-4597

September 25, 2007

Phil Hammer
Environmental Scientist
San Diego Regional Water Quality Control Board
9174 Sky Park Court, Suite 100
San Diego, CA 92123-4340

Dear Phil:

Please find enclosed the City of Escondido's quarterly baseline data for calendar year 2006. This data was previously provided to the Regional Board to meet the requirements of the City's Live Stream Discharge Permit. However, the enclosed data that is now being provided is derivative of that larger data set and provides specific information for the Board to consider as part of the development of the 2006 303 (d) List for Escondido Creek. Moreover, the summary data sheet and the supporting raw data address several pollutants that now appear on the 2006 303 (d) List, including phosphate, total dissolved solids, sulfate, manganese, selenium, and DDT. We would appreciate the Board's evaluating the attached information in terms of the parameters established for the inclusion of pollutants on the 303 (d) List.

We appreciate your considering the attached data and look forward to your response. In the meantime, if you have any questions or need more information, please contact me at 760-839-6315 or Vasana Vipatapat, Laboratory Superintendent, at 760-839-6284.

Sincerely,

Cheryl Filar
Environmental Programs Manager

Enclosure

cc: Mary Ann Mann, Utilities Manager
Vasana Vipatapat, Laboratory Superintendent

Document Scanned on 10-2-2007
By DiAnne Broussard

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD
2007 SEP 28 PM 3:21

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

WALM

MLN

MLN

Sample Station Date	Time of Sample	Flow as CFS	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Total Dissolved Solids as mg/l	Sulfate as mg/l
Station 912						
2/1/2006	11:50 AM	5.25	< 0.20	0.17	1204	341
5/2/2006	12:05 PM	7.26	0.06	0.04 J	1330	356
8/1/2006	12:20 PM	4.18	0.08	0.11	1223	305
11/1/2006	12:00 PM	4.90	0.06	0.16	1264	331
Ave. All		5.4	< 0.10	0.12	1255	333
Station 913						
2/1/2006	12:15 PM	4.20	< 0.20	0.14	1288	347
5/2/2006	12:38 PM	6.69	0.04 J	0.04 J	1305	349
8/1/2006	12:55 PM	3.77	0.09	0.11	1123	300
11/1/2006	12:25 PM	3.89	0.05 J	0.17	1259	327
Ave. All		4.6	< 0.09	0.11	1244	331
Station 916						
2/1/2006	12:35 PM	3.80	< 0.20	0.12	1247	350
5/2/2006	1:05 PM	6.69	0.02 J	< 0.32 ND	1293	360
8/1/2006	1:20 PM	3.84	0.13	0.08	1103	309
11/1/2006	1:05 PM	3.43	0.04 J	0.15	1211	338
Ave. All		4.4	< 0.10	< 0.17	1214	339
Station 917						
2/2/2006	7:50 AM	3.05	< 0.200 ND	0.230	1336	343
5/3/2006	8:25 AM	4.26	0.020	< 0.032 ND	1380	348
8/2/2006	8:00 AM	3.14	0.078	0.051	1170	318
11/2/2006	7:57 AM	3.14	0.190 J	0.120	1275	339
Ave. All		3.4	< 0.122	0.108	1290	337
Station 920						
2/2/2006	8:50 AM	0.98	< 0.200 ND	0.120	1512	395
5/3/2006	9:25 AM	1.82	0.030	< 0.032 ND	1549	329
8/2/2006	9:20 AM	0.63	0.052	0.056	1363	375
11/2/2006	9:05 AM	0.63	0.022 J	0.090	1386	393
Ave. All		1.0	< 0.076	0.075	1453	373
Station 923						
2/2/2006	9:15 AM	1.49	< 0.200 ND	0.210	1284	344
5/3/2006	10:05 AM	2.50	0.040	< 0.032 ND	1346	350
8/2/2006	10:00 AM	1.09	0.057	0.100	1228	339
11/2/2006	9:55 AM	1.09	0.031 J	0.180	1272	356
Ave. All		1.5	< 0.082	0.131	1283	347
2/2/2006		ML/MDL	0.20/0.015	0.05/0.02	10/1	20/0.046
5/3/2006		ML/MDL	0.05/0.014	0.05/0.03	10/1	20/0.046
8/2/2006		ML/MDL	0.05/0.014	0.05/0.03	10/1	20/0.103
11/2/2006		ML/MDL	0.05/0.014	0.05/0.015	10/1	20/0.529

J: Reported between ML and MDL.

MDL: Method Detection Limit

ML: Minimum Detection

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Metals Total

Method No. 200.7

Sample Station Date	Time of Sample	Flow as CFS	Manganese ^{MUN} ug/l	Selenium ^{MUN} ug/l	
ML			10.0	10.0	
MDL (February)			0.009	1.20	
MDL (May)			0.145	5.46	
MDL (August)			0.145	5.46	
MDL (November)			0.145	5.46	
Station 912					
2/1/2006	11:50 AM	5.25	20.6	7.9	J
5/2/2006	12:05 PM	7.26	11.4	9.9	J
8/1/2006	12:20 PM	4.18	42.9	ND	
11/1/2006	12:00 PM	4.90	24.0	5.9	J
Average			24.7	7.9	
Station 916					
2/1/2006	12:35 PM	3.80	17.0	ND	
5/2/2006	1:05 PM	6.69	8.1	7.3	J
8/1/2006	1:20 PM	3.84	33.9	ND	
11/1/2006	1:05 PM	3.43	20.8	7.3	J
Average			19.9	7.3	
Station 917					
2/2/2006	7:50 AM	3.05	15.5	2.5	J
5/3/2006	8:25 AM	4.26	10.3	7.8	J
8/2/2006	8:00 AM	3.14	32.4	ND	
11/2/2006	7:57 AM	3.14	13.8	ND	
Average			18.0	5.1	
Station 920					
2/2/2006	8:50 AM	0.98	12.6	ND	
8/2/2006	9:20 AM	0.63	31.9	ND	
Average			22.3	ND	
Station 923					
2/2/2006	9:15 AM	1.49	130.0	1.3	J
8/2/2006	10:00 AM	1.09	19.4	5.9	J
Average			74.7	3.6	

Stations 920, 923, are only tested for the above parameters during the 1st and 3rd quarters.

J: Reported between ML and MDL.

MDL: Method Detection Limit

ML: Minimum Detection

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

WARM

Sample Station Date	Time of Sample	Flow as CFS	Method Number	ML ug/l	MDL ug/l	pesticides DDT ug/l		
Station 912								
2/1/2006	11:50 AM	5.25	608	0.1	0.0016	<	0.1	ND
5/2/2006	12:05 PM	7.26	608	0.0094	0.0028	<	0.0094	ND
8/1/2006	12:20 PM	4.18	608	0.0094	0.0028	<	0.0094	ND
11/1/2006	12:00 PM	4.90	608	0.0094	0.0028	<	0.0094	ND
Station 916								
2/1/2006	12:35 PM	3.80	608	0.1	0.0016	<	0.1	ND
5/2/2006	1:05 PM	6.69	608	0.0094	0.0028	<	0.0094	ND
8/1/2006	1:20 PM	3.84	608	0.0094	0.0028	<	0.0094	ND
11/1/2006	1:05 PM	3.43	608	0.0094	0.0028	<	0.0094	ND
Station 917								
2/2/2006	7:50 AM	3.05	608	0.1	0.0016	<	0.1	ND
8/2/2006	8:00 AM	3.14	608	0.0094	0.0028	<	0.0094	ND

ND: Not Detected.

ML: Minimum Level

J: Reported between ML and MDL.

MDL: Method Detection Limit

1.1g .00089ug

NOON 3:27 TO

0728200000



City Of Escondido
Water Quality Laboratory
1521 South Hale Ave
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Tel (760) 839-6274

Total Phosphorus

Method SM 4500-P B & E

ML = 0.2 mg/l, MDL = 0.05 mg/l

Sample ID	Sample Location	Analysis Date	ML	Total Phosphorus as P	Unit
Blank	DI Water	2/2/2006	0.2	0.00	mg/L
Standard	1mg/L Phosphorus	2/2/2006	0.2	1.00	mg/L
QC000091	WP-125	2/2/2006	0.2	5.00	mg/L
060201 905	San Elijo Lagoon S. Spillway	2/2/2006	0.2	0.24	mg/L
060201 906	San Elijo Lagoon N. Spillway	2/2/2006	0.2	< 0.2	mg/L
060201 907	La Bajada	2/2/2006	0.2	< 0.2	mg/L
060201 910	Trailer Park	2/2/2006	0.2	< 0.2	mg/L
060201 911	El Fin Rec Park	2/2/2006	0.2	< 0.2	mg/L
060201 912	Harmony Grove & CC	2/2/2006	0.2	< 0.2	mg/L
060201 913	Granite Yard	2/2/2006	0.2	< 0.2	mg/L
060201 916	HARRF & Boundary	2/2/2006	0.2	< 0.2	mg/L
Spike	Standard & sample 916	2/2/2006	0.2	0.43	mg/L
QC000091	WP-125	2/2/2006	0.2	5.00	mg/L

Quality Control

	True Value	Range	% Recovery
Standard	1.0 mg/L		100%
QC000091	4.72 mg/L	3.87 - 5.63 mg/L	
Spike	0.448 mg/L		96.0%

Duplicate ID	Sample Location	Analysis Date	Unit	Total Phosphorus as P
060201 916	HARRF & Boundary	2/2/2006	mg/L	0.08
060201 916	HARRF & Boundary	2/2/2006	mg/L	0.08

Analyst

Stephen B. B. - JSY

Analyzed date: 2/2/06

Check By:

Va. Wint

Date: 3/22/06

6002010





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Orthophosphate

Method SM 4500 - P - E

ML = 0.05 mg/l, MDL = 0.02 mg/l

Sample ID	Sample Location	Analysis Date	ML	Ortho PO4 as P	Unit
Blank	DI Water	2/1/2006	0.05	0.00	mg/L
Standard	1 mg/L as P	2/1/2006	0.05	0.98	mg/L
Spike	Standard & sample 916	2/1/2006	0.05	0.48	mg/L
QC000094	WP-125	2/1/2006	0.05	1.68	mg/L
060201 905	San Elijo Lagoon S. Spillway	2/1/2006	0.05	0.28	mg/L
060201 906	San Elijo Lagoon N. Spillway	2/1/2006	0.05	0.11	mg/L
060201 907	La Bajada	2/1/2006	0.05	0.09	mg/L
060201 910	Trailer Park	2/1/2006	0.05	0.22	mg/L
060201 911	El Fin Rec Park	2/1/2006	0.05	0.13	mg/L
060201 912	Harmony Grove & CC	2/1/2006	0.05	0.17	mg/L
060201 913	Granite Yard	2/1/2006	0.05	0.14	mg/L
060201 916	HARRF Boundary	2/1/2006	0.05	0.12	mg/L
QC000094	WP-125	2/1/2006	0.05	1.68	mg/L

Quality Control

	True Value	% Recovery
Standard	1 mg/L	98.0%
QC000094	1.61 mg/L	104.3%
QC000094	1.61 mg/L	104.3%
Spike	0.472 mg/L	101.7%

Duplicate ID	Sample Location	Analysis Date	ML	Ortho PO4 as P	Unit
060201 916	HARRF Boundary	2/1/2006	0.05	0.12	mg/L
060201 916	HARRF Boundary	2/1/2006	0.05	0.12	mg/L

Analyst

Siddhant G. Joshi

Analyzed date:

2/1/06

Check By:

Van Wier

Date:

3/22/06

60078710



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TDS REPORT

Method SM 2540 C.

Sample Location	Log No.	Sample Date	ML	TDS	Unit	Date of Analysis
San Elijo Lag. S. Spillway	060201 905	2/1/2006	5.0	2284	mg/l	2/7/2006
San Elijo Lag. N. Spillway	060201 906	2/1/2006	5.0	2180	mg/l	2/7/2006
La Bajada Bridge	060201 907	2/1/2006	5.0	1601	mg/l	2/7/2006
Trailer Park	060201 910	2/1/2006	5.0	1299	mg/l	2/7/2006
Elfin Forest Park	060201 911	2/1/2006	5.0	1209	mg/l	2/7/2006
HG & CC	060201 912	2/1/2006	5.0	1204	mg/l	2/7/2006
Granite Yard	060201 913	2/1/2006	5.0	1288	mg/l	2/7/2006
Harmony Grove Bridge	060201 916	2/1/2006	5.0	1247	mg/l	2/7/2006

Quality Control

QA/QC	Log number	Cert.value	TDS	Range	Unit	% Recovery
	QC000102	800	837	622 - 980	mg/l	105%
	Blank	0	0		mg/l	

Sample Location	Sample ID	Sample Date	ML	TDS	Unit	Date of Analysis
San Elijo Lag. S. Spillway	060201 905	2/1/2006	5	2288	mg/l	2/7/2006
San Elijo Lag. S. Spillway	060201 905	2/1/2006	5	2281	mg/l	2/7/2006

Van Hipt

Laboratory Superintendent

500038710



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TDS REPORT

Method SM 2540 C.

Sample Location	Log No.	Sample Date	ML	TDS	Unit	Date of Analysis
0 & 75 Station	060202 917	2/2/2006	5.0	1336	mg/l	2/8/2006
Esc & PW Yard	060202 920	2/2/2006	5.0	1512	mg/l	2/8/2006
Ash & Channel	060202 923	2/2/2006	5.0	1284	mg/l	2/8/2006
Reidy Creek & RR	060202 940	2/2/2006	5.0	1265	mg/l	2/8/2006

Quality Control

QA/QC	Log number	Cert.value	TDS	Range	Unit	% Recovery
	QC000102	800	829	622 - 980	mg/l	104%
	Blank	0	0		mg/l	

Sample Location	Sample ID	Sample Date	ML	TDS	Unit	Date of Analysis
0 & 75 Station	060202 917	2/2/2006	5.0	1336	mg/l	2/8/2006
0 & 75 Station	060202 917	2/2/2006	5.0	1335	mg/l	2/8/2006

Laboratory Superintendent



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ANION REPORT

Instrument : IC DIONEX DX 500

Method EPA 300.0

	Sample Location		San Elijo Lagoon South	San Elijo Lagoon North	La Bajada
	PQL	Log No. MDL	060201905	060201906	060201907
Analyte	PQL	MDL			
Fluoride	0.10	0.006	< 1.00	< 1.00	< 1.00
Chloride	1.00	0.054	815 mg/l	748 mg/l	426 mg/l
Nitrate	0.10	0.007	0.841 mg/l	1.61 mg/l	8.38 mg/l
Sulfate	2.00	0.046	474 mg/l	489 mg/l	352 mg/l

	Sample Location		Trailer Park	Elfin Forest Park	Harmony Grove & CC
	PQL	Log No. MDL	060201910	060201911	060201912
Analyte	PQL	MDL			
Fluoride	0.10	0.006	< 1.00	< 1.00	< 1.00
Chloride	1.00	0.054	422 mg/l	281 mg/l	268 mg/l
Nitrate	0.10	0.007	4.96 mg/l	8.15 mg/l	7.54 mg/l
Sulfate	2.00	0.046	439 mg/l	350 mg/l	341 mg/l

	Sample Location		Granite Yard	HARRF Boundary	0+ 75 Station
	PQL	Log No. MDL	060201913	060201916	060202917
Analyte	PQL	MDL			
Fluoride	0.10	0.006	< 1.00	< 1.00	< 1.00
Chloride	1.00	0.054	275 mg/l	276 mg/l	280 mg/l
Nitrate	0.10	0.007	8.21 mg/l	8.88 mg/l	9.46 mg/l
Sulfate	2.00	0.046	347 mg/l	350 mg/l	343 mg/l

	Sample Location		ESC@PW Yard	Ash @Channel	Reidy Cr@PW Yard
	PQL	Log No. MDL	060202920	060202923	060202940
Analyte	PQL	MDL			
Fluoride	0.10	0.006	< 1.00	< 1.00	< 1.00
Chloride	1.00	0.054	324 mg/l	235 mg/l	237 mg/l
Nitrate	0.10	0.007	5.68 mg/l	12.7 mg/l	11.4 mg/l
Sulfate	2.00	0.046	396 mg/l	344 mg/l	323 mg/l

Analyst:

Wendy

Analysis Date: 2/1,2/2,2/7,2/13/06

Check by:

V. [Signature]

Date: 3/7/06

50038310



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1521 South Hale Avenue
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Quality Control Report

Instrument : IC DIONEX DX 500

Method 300.0

Analysis Date 2/1/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	CCCS %REC	LFM %REC	ECCS %REC
Fluoride	106	94.8	101	104	104	104
Chloride	104	101	104	104	96.9	103
Nitrate	102	101	102	102	101	105
Sulfate	104	102	103	104	102	104

Analysis Date 2/2/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	CCCS %REC	LFM %REC	ECCS %REC
Fluoride	106	98.9	101	105	106	106
Chloride	103	100	102	103	99.5	102
Nitrate	100	94.3	99.6	101	99.6	103
Sulfate	103	101	102	103	102	103

Analysis Date 2/7/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC
Fluoride	106	100	104	104	107
Chloride	103	99.9	102	96.6	102
Nitrate	101	94.3	100	102	104
Sulfate	103	100	102	101	103

Analysis Date 2/13/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC
Fluoride	107	100	104	106	108
Chloride	103	100	102	99.5	102
Nitrate	101	94.7	100	106	104
Sulfate	104	101	102	101	103

Duplicate 2/7/2006

	Sample Location		La Bajada	La Bajada	ESC@PW Yard	ESC@PW Yard
		Log No.	060201907	060201907	060202920	060202920
Analyte	PQL	MDL				
Fluoride	0.10	0.006	0.528 mg/l	0.547 mg/l	0.539 mg/l	0.535 mg/l
Chloride	1.00	0.054	425 mg/l	426 mg/l	324 mg/l	323 mg/l
Nitrate	0.10	0.007	4.60 mg/l	4.75 mg/l	5.52 mg/l	5.54 mg/l
Sulfate	2.00	0.046	448 mg/l	449 mg/l	397 mg/l	394 mg/l



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Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Analysis Date: 2/17/06 & 2/21/06

Sample Type: Base Line February 2006

			Sample Location		South Spillway	North Spillway	Harmony Grv&CC	HARRF Bndry
			Log No.		060201-905	060201-906	060201-912	060201-916
Analyte	units	dilution	ML	MDL				
Antimony	µg/L	1	10	1.23	1.50J	1.92J	1.47J	ND
Arsenic	µg/L	1	10	3.69	ND	ND	ND	ND
Barium	µg/L	1	10	0.006	50.2	52.3	81.5	72.8
Beryllium	µg/L	1	2	0.018	ND	ND	ND	ND
Boron	µg/L	1	20	0.736	321	295	179	171
Cadmium	µg/L	1	2	0.126	ND	ND	ND	ND
Calcium	mg/L	5	10	0.005	174	149	115	104
Chromium	µg/L	1	2	0.364	ND	0.393J	0.765J	0.692J
Copper	µg/L	1	5	0.138	17.2	6.90	6.11	6.18
Iron	µg/L	1	50	0.301	420	1010	184	344
Lead	µg/L	1	5	1.62	ND	3.01J	ND	ND
Magnesium	mg/L	5	10	0.001	114	115	77.8	77.4
Manganese	µg/L	1	10	0.009	167	209	20.6	17.0
Molybdenum	µg/L	1	2	0.208	5.10	6.57	9.20	8.82
Nickel	µg/L	1	5	0.629	3.47J	3.66J	4.96J	5.82
Potassium	mg/L	1	10	0.001	17.7	14.2	4.35J	4.05J
Selenium	µg/L	1	10	1.20	ND	7.31J	7.87J	ND
Silver	µg/L	1	2	0.116	1.26J	1.26J	0.494J	0.242J
Sodium	mg/L	5	10	0.026	430	409	215	219
Thallium	µg/L	1	2	1.13	1.73J	ND	ND	ND
Vanadium	µg/L	1	2	0.208	15.8	16.4	18.4	22.2
Zinc	µg/L	1	10	0.315	20.2	11.2	10.3	13.6

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

MDL: Method Detection Limit

ND: Not detected or less than the ML

J: Reported between ML and MDL

Analyzed by: Christina Moran, Associate Chemist

First Review: CM

Second Review: NO

Final Review:

Vasana Vipatapat,
Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Analysis Date: 2/17/06 & 2/21/06

Sample Type: Base Line February 2006

			Sample Location		0 & 75 Station	Esc & PW yard	Ash & Channel	Reidy Creek&RR
			Log No.		060202-917	060202-920	060202-923	060202-940
Analyte	units	dilution	ML	MDL				
Antimony	µg/L	1	10	1.23	ND	1.93J	ND	1.58J
Arsenic	µg/L	1	10	3.69	ND	ND	ND	ND
Barium	µg/L	1	10	0.006	90.7	77.5	109	94.7
Beryllium	µg/L	1	2	0.018	ND	ND	ND	ND
Boron	µg/L	1	20	0.736	179	152	142	138
Cadmium	µg/L	1	2	0.126	ND	ND	0.245J	ND
Calcium	mg/L	5	10	0.005	128	148	123	112
Chromium	µg/L	1	2	0.364	0.786J	ND	2.21	ND
Copper	µg/L	1	5	0.138	10.4	7.74	11.9	9.01
Iron	µg/L	1	50	0.301	215	132	3300	87.0
Lead	µg/L	1	5	1.62	1.93J	ND	3.06J	ND
Magnesium	mg/L	5	10	0.001	78.8	94.4	69.4	67.4
Manganese	µg/L	1	10	0.009	15.5	12.6	130	4.80J
Molybdenum	µg/L	1	2	0.208	8.82	9.48	7.89	7.67
Nickel	µg/L	1	5	0.629	6.90	7.10	10.0	5.22
Potassium	mg/L	1	10	0.001	3.88J	4.36J	4.08J	3.16J
Selenium	µg/L	1	10	1.20	2.48J	ND	1.32J	5.16J
Silver	µg/L	1	2	0.116	0.388J	0.543J	0.324J	0.262J
Sodium	mg/L	5	10	0.026	224	220	211	204
Thallium	µg/L	1	2	1.13	ND	2.63	1.23J	ND
Vanadium	µg/L	1	2	0.208	20.3	25.0	20.6	17.5
Zinc	µg/L	1	10	0.315	21.0	21.5	51.8	14.7

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

MDL: Method Detection Limit

ND: Not detected or less than the ML

J: Reported between ML and MDL

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM*

Second Review: *ND*

Final Review:

Vasana Vipatapat

Vasana Vipatapat,
Laboratory Superintendent





City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: 2/17/06 & 2/21/06

Method 200.7

Sample Type: Base Line February 2006

QA/QC	IPC-1 %Rec	LRB (µg/L)	IPC-2 %Rec	IPC-3 %Rec	IPC-4 %Rec	Lab Dup %RPD	Dil.Test %Rec	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	90-110	≤ 10	90-110	85-115	70-130	90-110
Aluminum	100	ND	99	98	99	0.66	NR	100	97	99
Antimony	100	ND	101	103	99	1.86	NR	98	98	100
Arsenic	100	ND	98	98	97	0.67	NR	100	101	99
Barium	103	ND	102	102	102	0.40	NR	99	91	99
Beryllium	103	ND	101	101	101	1.36	NR	100	94	101
Boron	102	ND	101	101	103	0.18	NR	96	83	98
Cadmium	104	ND	102	101	101	1.62	NR	100	93	102
Calcium	102	ND	100	100	99	2.21	109	103	86	103
Chromium	102	ND	101	101	100	2.05	NR	101	95	103
Cobalt	104	ND	103	102	101	0.67	NR	100	93	101
Copper	100	ND	100	99	99	0.79	NR	98	92	98
Iron	100	ND	98	98	98	1.32	NR	98	90	97
Lead	105	ND	103	102	102	2.40	NR	99	93	100
Magnesium	103	ND	101	101	101	1.32	103	99	79	100
Manganese	103	ND	101	101	100	1.30	NR	100	92	101
Molybdenum	102	ND	101	100	101	1.47	NR	100	93	101
Nickel	105	ND	104	103	102	1.60	NR	100	92	102
Phosphorus	102	ND	101	102	102	0.28	NR	101	97	101
Potassium	103	ND	102	102	102	0.14	NR	115	113	104
Selenium	103	ND	99	100	102	4.48	NR	102	106	98
Silver	102	ND	100	98	100	1.19	NR	98	100	101
Sodium	101	ND	101	100	101	0.05	98	103	85	103
Thallium	104	ND	105	102	103	0.44	NR	93	88	94
Vanadium	100	ND	98	99	98	1.13	NR	101	96	102
Zinc	103	ND	101	101	101	1.54	NR	100	90	102

Notation:

IPC - Instrument Performance Check

SIC - Spectral Interference Check

LRB - Laboratory Reagent Blank

%Rec - Recovery Percent

LFMB - Lab Fortified Method Blank

ND - Not detected or less than ML

LFM - Laboratory Fortified Matrix

%RPD - Relative Percent Difference

Dil.Test - Dilution Test

NR - Not required

Analyzed by: Christina Moran, Associate Chemist

Reviewed by: Vasana Vipatapat, Laboratory Superintendent



APCL Analytical Report

Component Analyzed	Method	Unit	ML	MDL	Analysis Result
					060202917
					06-01344-2
1,2-Diphenylhydrazine	625	µg/L	10	0.98	< 9.6
Fluoranthene	625	µg/L	10	1.4	< 9.6
Fluorene	625	µg/L	10	1.4	< 9.6
Hexachlorobenzene	625	µg/L	10	1.5	< 9.6
Hexachlorobutadiene	625	µg/L	10	1.5	< 9.6
Hexachlorocyclopentadiene	625	µg/L	50	5.2	< 48
Hexachloroethane	625	µg/L	10	1.4	< 9.6
Indeno(1,2,3-cd)pyrene	625	µg/L	10	1.1	< 9.6
Isophorone	625	µg/L	10	1.3	< 9.6
2-Methylphenol	625	µg/L	10	0.90	< 9.6
3/4-Methylphenol	625	µg/L	10	0.72	< 9.6
Naphthalene	625	µg/L	10	1.9	< 9.6
Nitrobenzene	625	µg/L	10	1.2	< 9.6
2-Nitrophenol	625	µg/L	10	1.6	< 9.6
4-Nitrophenol	625	µg/L	50	5.6	< 48
N-Nitroso-di-n-propylamine	625	µg/L	10	1.2	< 9.6
N-Nitroso-dimethylamine	625	µg/L	10	0.81	< 9.6
N-Nitroso-diphenylamine	625	µg/L	50	5.9	< 48
Pentachlorophenol (PCP)	625	µg/L	50	4.6	< 48
Phenanthrene	625	µg/L	10	1.2	< 9.6
Phenol	625	µg/L	10	0.24	< 9.6
Pyrene	625	µg/L	10	1.4	< 9.6
1,2,4-Trichlorobenzene	625	µg/L	10	1.4	< 9.6
2,4,6-Trichlorophenol	625	µg/L	10	2.2	< 9.6
Organochlorine pesticides & PCBs					
Dilution Factor					0.962
Aldrin	608	µg/L	0.05	0.0027	< 0.048
beta-BHC	608	µg/L	0.05	0.0031	< 0.048
alpha-BHC	608	µg/L	0.05	0.0040	< 0.048
delta-BHC	608	µg/L	0.05	0.0010	< 0.048
gamma-BHC (Lindane)	608	µg/L	0.05	0.0052	< 0.048
Chlordane	608	µg/L	2	0.18	< 1.9
4,4'-DDD	608	µg/L	0.1	0.0050	< 0.096
4,4'-DDE	608	µg/L	0.1	0.0009	< 0.096
4,4'-DDT	608	µg/L	0.1	0.0016	< 0.096
Dieldrin	608	µg/L	0.1	0.0012	< 0.096
Endosulfan I	608	µg/L	0.05	0.0019	< 0.048
Endosulfan II	608	µg/L	0.1	0.0011	< 0.096
Endosulfan sulfate	608	µg/L	0.5	0.0050	< 0.48
Endrin	608	µg/L	0.1	0.0013	< 0.096
Endrin aldehyde	608	µg/L	0.1	0.0009	< 0.096
Heptachlor	608	µg/L	0.05	0.0083	< 0.048
Heptachlor epoxide	608	µg/L	0.05	0.0015	< 0.048
Toxaphene	608	µg/L	5	0.61	< 4.8
Aroclor-1016 (PCB-1016)	608	µg/L	1	0.088	< 0.96
Aroclor-1221 (PCB-1221)	608	µg/L	1	0.19	< 0.96
Aroclor-1232 (PCB-1232)	608	µg/L	1	0.082	< 0.96
Aroclor-1242 (PCB-1242)	608	µg/L	1	0.16	< 0.96
Aroclor-1248 (PCB-1248)	608	µg/L	1	0.16	< 0.96
Aroclor-1254 (PCB-1254)	608	µg/L	1	0.093	< 0.96
Aroclor-1260 (PCB-1260)	608	µg/L	1	0.061	< 0.96

APCL Analytical Report

Component Analyzed	Method	Unit	ML	MDL	Analysis Result	
					060201912	060201916
					06-01345-2	06-01345-3
Fluoranthene	625	µg/L	10	1.4	<9.6	<9.6
Fluorene	625	µg/L	10	1.4	<9.6	<9.6
Hexachlorobenzene	625	µg/L	10	1.5	<9.6	<9.6
Hexachlorobutadiene	625	µg/L	10	1.5	<9.6	<9.6
Hexachlorocyclopentadiene	625	µg/L	50	5.2	<48	<48
Hexachloroethane	625	µg/L	10	1.4	<9.6	<9.6
Indeno(1,2,3-cd)pyrene	625	µg/L	10	1.1	<9.6	<9.6
Isophorone	625	µg/L	10	1.3	<9.6	<9.6
2-Methylphenol	625	µg/L	10	0.90	<9.6	<9.6
3/4-Methylphenol	625	µg/L	10	0.72	<9.6	<9.6
Naphthalene	625	µg/L	10	1.9	<9.6	<9.6
Nitrobenzene	625	µg/L	10	1.2	<9.6	<9.6
2-Nitrophenol	625	µg/L	10	1.6	<9.6	<9.6
4-Nitrophenol	625	µg/L	50	5.6	<48	<48
N-Nitroso-di-n-propylamine	625	µg/L	10	1.2	<9.6	<9.6
N-Nitroso-di-methylamine	625	µg/L	10	0.81	<9.6	<9.6
N-Nitroso-di-phenylamine	625	µg/L	50	5.9	<48	<48
Pentachlorophenol (PCP)	625	µg/L	50	4.6	<48	<48
Phenanthrene	625	µg/L	10	1.2	<9.6	<9.6
Phenol	625	µg/L	10	0.24	<9.6	<9.6
Pyrene	625	µg/L	10	1.4	<9.6	<9.6
1,2,4-Trichlorobenzene	625	µg/L	10	1.4	<9.6	<9.6
2,4,6-Trichlorophenol	625	µg/L	10	2.2	<9.6	<9.6
Organochlorine pesticides & PCBs						
Dilution Factor					0.962	0.962
Aldrin	608	µg/L	0.05	0.0027	<0.048	<0.048
beta-BHC	608	µg/L	0.05	0.0031	<0.048	<0.048
alpha-BHC	608	µg/L	0.05	0.0040	<0.048	<0.048
delta-BHC	608	µg/L	0.05	0.0010	<0.048	<0.048
gamma-BHC (Lindane)	608	µg/L	0.05	0.0052	<0.048	<0.048
Chlordane	608	µg/L	2	0.18	<1.9	<1.9
4,4'-DDD	608	µg/L	0.1	0.0050	<0.096	<0.096
4,4'-DDE	608	µg/L	0.1	0.0009	<0.096	<0.096
4,4'-DDT	608	µg/L	0.1	0.0016	<0.096	<0.096
Dieldrin	608	µg/L	0.1	0.0012	<0.096	<0.096
Endosulfan I	608	µg/L	0.05	0.0019	<0.048	<0.048
Endosulfan II	608	µg/L	0.1	0.0011	<0.096	<0.096
Endosulfan sulfate	608	µg/L	0.5	0.0050	<0.48	<0.48
Endrin	608	µg/L	0.1	0.0013	<0.096	<0.096
Endrin aldehyde	608	µg/L	0.1	0.0009	<0.096	<0.096
Heptachlor	608	µg/L	0.05	0.0033	<0.048	<0.048
Heptachlor epoxide	608	µg/L	0.05	0.0015	<0.048	<0.048
Toxaphene	608	µg/L	5	0.61	<4.8	<4.8
Aroclor-1016 (PCB-1016)	608	µg/L	1	0.088	<0.96	<0.96
Aroclor-1221 (PCB-1221)	608	µg/L	1	0.19	<0.96	<0.96
Aroclor-1232 (PCB-1232)	608	µg/L	1	0.082	<0.96	<0.96
Aroclor-1242 (PCB-1242)	608	µg/L	1	0.16	<0.96	<0.96
Aroclor-1248 (PCB-1248)	608	µg/L	1	0.13	<0.96	<0.96
Aroclor-1254 (PCB-1254)	608	µg/L	1	0.093	<0.96	<0.96
Aroclor-1260 (PCB-1260)	608	µg/L	1	0.061	<0.96	<0.96

APCL QA/QC Report

Component Name	Analysis Batch #	CCV (µg/L)	CCV %Rec	M-Blank	Conc. Unit	SP Level	LCS %Rec	MS %Rec	MSD %Rec	MS/MSD %RPD	Control Limit %Rec	Limit %Diff
Organochlorine pesticides & PCBs												
α-BHC	06G1190	50.0	109	N.D.	µg/L	-	-	-	-	-	-	-
γ-BHC (Lindane)	06G1190	50.0	101	N.D.	µg/L	0.500	72	72*	84*	15	40-138	49
β-BHC	06G1190	50.0	104	N.D.	µg/L	-	-	-	-	-	-	-
Heptachlor	06G1190	50.0	107	N.D.	µg/L	0.500	76	76*	95*	22	41-138	48
δ-BHC	06G1190	50.0	111	N.D.	µg/L	-	-	-	-	-	-	-
Aldrin	06G1190	50.0	115	N.D.	µg/L	0.500	71	71*	84*	17	42-136	47
Heptachlor epoxide	06G1190	50.0	102	N.D.	µg/L	-	-	-	-	-	-	-
Endosulfan I	06G1190	50.0	113	N.D.	µg/L	-	-	-	-	-	-	-
4,4'-DDE	06G1190	50.0	107	N.D.	µg/L	-	-	-	-	-	-	-
Dieldrin	06G1190	50.0	91	N.D.	µg/L	0.500	65	65*	78*	18	40-139	50
Endrin	06G1190	50.0	107	N.D.	µg/L	0.500	77	77*	93*	18	40-139	50
4,4'-DDD	06G1190	50.0	106	N.D.	µg/L	-	-	-	-	-	-	-
Endosulfan II	06G1190	50.0	112	N.D.	µg/L	-	-	-	-	-	-	-
4,4'-DDT	06G1190	50.0	108	N.D.	µg/L	0.500	77	77*	89*	15	44-137	47
Endrin aldehyde	06G1190	50.0	106	N.D.	µg/L	-	-	-	-	-	-	-
Endosulfan sulfate	06G1190	50.0	110	N.D.	µg/L	-	-	-	-	-	-	-
Methoxychlor	06G1190	50.0	114	N.D.	µg/L	-	-	-	-	-	-	-



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
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TDS REPORT

Method SM 2540 C.

Sample Location	Log No.	Sample Date	ML	TDS	Unit	Date of Analysis
La Bajada Bridge	060502 907	5/2/2006	5.0	1619	mg/l	5/4/2006
Trailer Park	060503 910	5/2/2006	5.0	1207	mg/l	5/4/2006
Elfin Forest Park	060502 911	5/2/2006	5.0	1241	mg/l	5/4/2006
HG & CC	060502 912	5/2/2006	5.0	1330	mg/l	5/4/2006
Granite Yard	060502 913	5/2/2006	5.0	1305	mg/l	5/4/2006
HARRF Boundary	060502 916	5/2/2006	5.0	1293	mg/l	5/4/2006
0 & 75 Station	060503 917	5/3/2006	5.0	1380	mg/l	5/10/2006
Esc. & PW Yard	060503 920	5/3/2006	5.0	1549	mg/l	5/10/2006
Ash & Channel	060503 923	5/3/2006	5.0	1346	mg/l	5/10/2006
Reidy Creek & RR	060503 940	5/3/2006	5.0	1271	mg/l	5/10/2006
San Elijo Lag. S. Spillway	060502 905	5/2/2006	5.0	1986	mg/l	5/4/2006
San Elijo Lag. N. Spillway	060502 906	5/2/2006	5.0	3733	mg/l	5/4/2006

Quality Control

QA/QC	Log number	Cert.value	TDS	Range	Unit	Date of Analysis
	QC 000102	800	823	622 - 980	mg/l	5/4/2006
	QC 000102	800	844	622 - 980	mg/l	5/10/2006

Sample Location	Sample ID	Sample Date	ML	TDS	Unit	Date of Analysis
Elfin Forest Park	060502 911	5/2/2006	5.0	1241	mg/l	5/4/2006
Elfin Forest Park	060502 911	5/2/2006	5.0	1241	mg/l	5/4/2006
Ash & Channel	060503 923	5/3/2006	5.0	1348	mg/l	5/10/2006
Ash & Channel	060503 923	5/3/2006	5.0	1345	mg/l	5/10/2006

Va. Kipchil

Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
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ANION REPORT

Instrument : IC DIONEX DX 500

Method EPA 300.0

Analyte	Sample Location		Dilution Factor	La Bajada	Trailer Park	Elfin Forest Park
	ML	MDL		060502907	060502910	060502911
Fluoride	1.00	0.006	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	20.0	0.054	20	389 mg/l	262 mg/l	274 mg/l
Nitrate	1.00	0.007	10	3.90 mg/l	5.63 mg/l	6.50 mg/l
Sulfate	20.0	0.046	10	422 mg/l	332 mg/l	351 mg/l

Analyte	Sample Location		Dilution Factor	Harmony Grove & CC	Granite Yard	HARRF Boundary
	ML	MDL		060502912	060502913	060502916
Fluoride	1.00	0.006	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	20.0	0.054	20	270 mg/l	266 mg/l	268 mg/l
Nitrate	1.00	0.007	10	6.66 mg/l	6.60 mg/l	6.35 mg/l
Sulfate	20.0	0.046	10	356 mg/l	349 mg/l	360 mg/l

Analyte	Sample Location		Dilution Factor	0+ 75 Station
	ML	MDL		060503917
Fluoride	1.00	0.006	10	< 1.00 mg/l
Chloride	20.0	0.054	20	268 mg/l
Nitrate	1.00	0.007	10	7.72 mg/l
Sulfate	20.0	0.046	10	348 mg/l

Analyte	Sample Location		Dilution Factor	Ash @Channel
	ML	MDL		060503923
Fluoride	1.00	0.006	10	< 1.00 mg/l
Chloride	10.0	0.054	10	242 mg/l
Nitrate	1.00	0.007	10	11.0 mg/l
Sulfate	20.0	0.046	10	350 mg/l

Analyst:

Wendy L. Smith

Analysis Date: 5/2 & 5/3 & 5/24/06

Lab Superintendent

Vincent L. Smith

Date: 6/22/06

NO. 060503910





City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
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Quality Control Report

Instrument : IC DIONEX DX 500

Method 300.0

Analysis Date 5/2/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	CCCS %REC	LFM %REC	ECCS %REC	Duplicate * %RPD
Fluoride	106	99.7	103	107	107	106	5.36
Chloride	104	102	101	105	101	103	0.382
Nitrate	102	94	99.8	104	102	105	0.472
Sulfate	104	101	102	105	103	104	0.278

Analysis Date 5/3/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC
Fluoride	106	101	102	104	105
Chloride	103	102	100	104	102
Nitrate	101	94.6	98.9	99.0	105
Sulfate	104	103	102	101	104

Analysis Date 5/24/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC
Chloride	98.8	98.2	97.8	97.5	99.4
Sulfate	94.4	90.6	93.3	102	102

Duplicate	Sample Location		Dilution Factor	La Bajada	La Bajada
		Log No.			
				060201907	060201907
Analyte	ML	MDL			
Chloride	20.0	0.054	20	389 mg/l	389 mg/l

* %RPD= Relative Percentage Different.

060201907



City of Escondido
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Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Analysis Date: 6/6/06 & 6/7/06

Sample Type: Base Line Monitoring (2nd Qrt.) May 2006

Analyte	units	dilution	Sample Location		Harmony Grv&CC	HARRF Bndry	0 & 75 Station	Ash & Channel
			Log No.		060502-912	060502-916	060503-917	060503-923
			ML	MDL				
Antimony	µg/L	1	10	1.06	1.95J	ND	1.73J	ND
Arsenic	µg/L	1	10	3.29	ND	ND	ND	ND
Barium	µg/L	1	10	0.014	77.8	66.4	85.5	92.2
Beryllium	µg/L	1	2	0.007	0.007J	0.007J	ND	0.008J
Boron	µg/L	5	20	0.406	180	158	164	145
Cadmium	µg/L	1	2	0.130	ND	ND	ND	ND
Calcium	mg/L	1	10	0.009	101	90.7	112	110
Chromium	µg/L	1	2	0.386	ND	ND	ND	0.781J
Copper	µg/L	1	5	0.224	1.69J	2.19J	6.12	3.82J
Iron	µg/L	1	50	5.31	52.1	116	127	602
Magnesium	mg/L	1	10	0.002	71.2	70.3	70.7	65.1
Manganese	µg/L	1	10	0.145	11.4	8.08J	10.3	29.9
Molybdenum	µg/L	1	2	0.315	8.98	8.95	8.50	7.40
Nickel	µg/L	1	5	0.788	2.93J	3.25J	2.81J	2.85J
Potassium	mg/L	1	4	0.001	3.52J	3.28J	3.41J	2.86J
Selenium	µg/L	1	10	5.46	9.93J	7.32J	7.81J	5.62J
Silver	µg/L	1	2	0.397	0.480J	0.432J	0.618J	0.514J
Sodium	mg/L	1	10	0.024	227	222	228	219
Thallium	µg/L	1	2	1.58	ND	ND	ND	ND
Vanadium	µg/L	1	2	0.230	17.8	22.4	19.9	15.7

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

MDL: Method Detection Limit

J: Reported between ML and MDL

ND: Not detected or less than the ML

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM* Second Review: *TL*

Final Review: *Vh*
Vasana Vipatapat,
Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
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Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: 6/6/06 & 6/7/06

Method 200.7

Sample Type: Base Line Monitoring (2nd Qrt.) May 2006

QA/QC	IPC-1 %Rec	LRB (µg/L)	IPC-2 %Rec	IPC-3 %Rec	Lab Dup %RPD	Dil.Test %Rec	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	≤ 10	90-110	85-115	70-130	90-110
Antimony	104	ND	102	104	1.036	NR	98	99	99
Arsenic	102	ND	103	104	0.607	NR	104	107	103
Barium	103	ND	103	104	0.084	NR	99	91	99
Beryllium	103	ND	102	104	0.206	NR	98	93	99
Boron	102	ND	100	99	0.441	104	100	82	96
Cadmium	100	ND	100	102	0.603	NR	96	91	97
Calcium	100	ND	100	102	0.182	NR	98	86	99
Chromium	102	ND	102	105	0.225	NR	98	94	100
Copper	102	ND	102	102	0.114	NR	99	98	99
Iron	100	ND	100	101	0.497	NR	96	84	95
Magnesium	102	ND	102	103	0.333	NR	97	80	99
Manganese	98	ND	97	99	0.282	NR	93	87	94
Molybdenum	103	ND	103	104	0.149	NR	100	94	100
Nickel	102	ND	102	104	0.003	NR	95	89	97
Potassium	105	ND	105	104	0.078	NR	107	104	108
Selenium	104	ND	106	107	5.167	NR	103	104	100
Silver	102	ND	101	102	1.593	NR	97	99	99
Sodium	102	ND	102	102	0.472	NR	103	84	104
Thallium	100	ND	99	101	0.873	NR	89	83	93
Vanadium	101	ND	100	102	0.443	NR	99	96	100

Notation:

IPC - Instrument Performance Check

SIC - Spectral Interference Check

LRB - Laboratory Reagent Blank

%Rec - Recovery Percent

LFMB - Lab Fortified Method Blank

ND - Not detected or less than ML

LFM - Laboratory Fortified Matrix

%RPD - Relative Percent Difference

NR - Not Required

Dil.Test - Dilution Test

Analyzed by: Christina Moran, Associate Chemist

Reviewed by: Vasana Vipatapat, Laboratory Superintendent



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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 790-3620 FAX (702) 790-3621

City of Escondido
 1521 S Hale Ave.
 Escondido, CA 92029
 Attention: Vasana Vipatapat

Project ID: Wastewater
 70038 Baseline
 Report Number: IPE0249

Sampled: 05/03/06
 Received: 05/03/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPE0249-03 (060503923 Ash & Channel - Water) - cont.					Sampled: 05/03/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/10/06	
alpha-BHC	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/10/06	
beta-BHC	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/10/06	
delta-BHC	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/10/06	
gamma-BHC (Lindane)	EPA 608	6E08089	0.0047	0.0094	ND	0.943	05/08/06	05/10/06	
Chlordane	EPA 608	6E08089	0.028	0.094	ND	0.943	05/08/06	05/10/06	
4,4'-DDD	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/10/06	
4,4'-DDE	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/10/06	
4,4'-DDT	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/10/06	C5
Dieldrin	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/10/06	
Endosulfan I	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/10/06	
Endosulfan II	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/10/06	
Endosulfan sulfate	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/10/06	
Endrin	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/10/06	
Endrin aldehyde	EPA 608	6E08089	0.0066	0.0094	ND	0.943	05/08/06	05/10/06	
Endrin ketone	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/10/06	C5
Heptachlor	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/10/06	
Heptachlor epoxide	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/10/06	
Methoxychlor	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/10/06	C5
Toxaphene	EPA 608	6E08089	0.066	0.094	ND	0.943	05/08/06	05/10/06	
Surrogate: Decachlorobiphenyl (45-120%)					73 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					32 %				
					Z				

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 Project Management Supervisor

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 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
 1521 S Hale Ave.
 Escondido, CA 92029
 Attention: Vasana Vipatapat

Project ID: Wastewater
 70038 Baseline
 Report Number: IPE0249

Sampled: 05/03/06
 Received: 05/03/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPE0249-01 (060503917 0+75 station - Water)					Sampled: 05/03/06				
Reporting Units: mg/l									
Orthophosphate - P	EPA 365.3	6E04083	0.032	0.050	ND	1	05/04/06	05/04/06	
Phosphorus	EPA 365.3	6E09077	0.014	0.050	0.024	1	05/09/06	05/09/06	J
Surfactants (MBAS)	SM5540-C	6E03125	0.044	0.10	0.14	1	05/03/06	05/03/06	
Sample ID: IPE0249-02 (060503920 Esc. Ck & pw yd. - Water)					Sampled: 05/03/06				
Reporting Units: mg/l									
Orthophosphate - P	EPA 365.3	6E04083	0.032	0.050	ND	1	05/04/06	05/04/06	
Phosphorus	EPA 365.3	6E09077	0.014	0.050	0.030	1	05/09/06	05/09/06	J
Surfactants (MBAS)	SM5540-C	6E03125	0.044	0.10	0.078	1	05/03/06	05/03/06	J
Sample ID: IPE0249-03 (060503923 Ash & Channel - Water)					Sampled: 05/03/06				
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	6E08116	0.017	0.025	ND	1	05/08/06	05/08/06	
Orthophosphate - P	EPA 365.3	6E04083	0.032	0.050	ND	1	05/04/06	05/04/06	
Phosphorus	EPA 365.3	6E09077	0.014	0.050	0.036	1	05/09/06	05/09/06	J
Surfactants (MBAS)	SM5540-C	6E03125	0.044	0.10	0.057	1	05/03/06	05/03/06	J
Sample ID: IPE0249-04 (060503940 Reidy CK & RR - Water)					Sampled: 05/03/06				
Reporting Units: mg/l									
Orthophosphate - P	EPA 365.3	6E04083	0.032	0.050	ND	1	05/04/06	05/04/06	
Phosphorus	EPA 365.3	6E09077	0.014	0.050	0.019	1	05/09/06	05/09/06	J
Surfactants (MBAS)	SM5540-C	6E03125	0.044	0.10	0.071	1	05/03/06	05/03/06	J

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Project ID: Wastewater
70038 Baseline
Report Number: IPE0247

Sampled: 05/02/06
Received: 05/03/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPE0247-04 (060502912 Harmony Grove & CC - Water)					Sampled: 05/02/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
alpha-BHC	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/09/06	
beta-BHC	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
delta-BHC	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
gamma-BHC (Lindane)	EPA 608	6E08089	0.0047	0.0094	ND	0.943	05/08/06	05/09/06	
Chlordane	EPA 608	6E08089	0.028	0.094	ND	0.943	05/08/06	05/09/06	
4,4'-DDD	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
4,4'-DDE	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
4,4'-DDT	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Dieldrin	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan I	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan II	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan sulfate	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Endrin	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/09/06	
Fenitrothion aldehyde	EPA 608	6E08089	0.0066	0.0094	ND	0.943	05/08/06	05/09/06	
Fenitrothion ketone	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Heptachlor	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Heptachlor epoxide	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/09/06	
Methoxychlor	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
Toxaphene	EPA 608	6E08089	0.066	0.094	ND	0.943	05/08/06	05/09/06	
Surrogate: Decachlorobiphenyl (45-120%)					78 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					50 %				

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Project Management Supervisor

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REF ID: A6920710



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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 Baseline
Report Number: IPE0247

Sampled: 05/02/06
Received: 05/03/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPE0247-08 (060502916 Harrf Boundry - Water)					Sampled: 05/02/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
alpha-BHC	EPA 608	6E08089	0.00094	0.0047	0.00097	0.943	05/08/06	05/09/06	J
beta-BHC	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
delta-BHC	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
gamma-BHC (Lindane)	EPA 608	6E08089	0.0047	0.0094	ND	0.943	05/08/06	05/09/06	
Chlordane	EPA 608	6E08089	0.028	0.094	ND	0.943	05/08/06	05/09/06	
4,4'-DDD	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
4,4'-DDE	EPA 608	6E08089	0.0028	0.0047	ND	0.943	05/08/06	05/09/06	
4,4'-DDT	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Dieldrin	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan I	EPA 608	6E08089	0.00094	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan II	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
Endosulfan sulfate	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Endrin	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/09/06	
Endrin aldehyde	EPA 608	6E08089	0.0066	0.0094	ND	0.943	05/08/06	05/09/06	
Endrin ketone	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Heptachlor	EPA 608	6E08089	0.0028	0.0094	ND	0.943	05/08/06	05/09/06	
Heptachlor epoxide	EPA 608	6E08089	0.0038	0.0047	ND	0.943	05/08/06	05/09/06	
Methoxychlor	EPA 608	6E08089	0.0019	0.0047	ND	0.943	05/08/06	05/09/06	
Toxaphene	EPA 608	6E08089	0.066	0.094	ND	0.943	05/08/06	05/09/06	
Surrogate: Decachlorobiphenyl (45-120%)					84 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					49 %				

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Trevor Brenner
Project Management Supervisor

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 Baseline
Report Number: IPE0249

Sampled: 05/03/06
Received: 05/03/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6E08089 Extracted: 05/08/06											
LCS Analyzed: 05/09/2006 (6E08089-BS1)											
Endrin	0.495	0.0050	0.0040	ug/l	0.500		99	55-120			
Endrin aldehyde	0.454	0.010	0.0070	ug/l	0.500		91	55-120			
Endrin ketone	0.511	0.010	0.0030	ug/l	0.500		102	55-120			
Heptachlor	0.444	0.010	0.0030	ug/l	0.500		89	40-115			
Heptachlor epoxide	0.457	0.0050	0.0040	ug/l	0.500		91	50-120			
Methoxychlor	0.505	0.0050	0.0020	ug/l	0.500		101	55-120			
Surrogate: Decachlorobiphenyl	0.514			ug/l	0.500		103	45-120			
Surrogate: Tetrachloro-m-xylene	0.411			ug/l	0.500		82	35-115			
Matrix Spike Analyzed: 05/09/2006 (6E08089-MS1)											
						Source: IPE0201-01					
Alk	0.309	0.0047	0.0028	ug/l	0.472	ND	65	35-120			
alpha-BHC	0.639	0.0047	0.00094	ug/l	0.472	ND	135	45-120			MI
beta-BHC	0.325	0.0094	0.0028	ug/l	0.472	ND	69	50-120			
delta-BHC	0.433	0.0047	0.0028	ug/l	0.472	ND	92	50-120			
gamma-BHC (Lindane)	0.377	0.0094	0.0047	ug/l	0.472	ND	80	40-120			
4,4'-DDD	0.385	0.0047	0.0019	ug/l	0.472	ND	82	55-125			
4,4'-DDE	0.346	0.0047	0.0028	ug/l	0.472	0.0039	72	50-120			
4,4'-DDT	0.415	0.0094	0.0028	ug/l	0.472	ND	88	55-125			
Dieldrin	0.361	0.0047	0.00094	ug/l	0.472	ND	76	50-120			
Endosulfan I	0.350	0.0047	0.00094	ug/l	0.472	ND	74	50-120			
Endosulfan II	0.401	0.0047	0.0019	ug/l	0.472	ND	85	55-120			
Endosulfan sulfate	0.316	0.0094	0.0028	ug/l	0.472	ND	67	55-120			
Endrin	0.375	0.0047	0.0038	ug/l	0.472	ND	79	55-120			
Endrin aldehyde	0.282	0.0094	0.0066	ug/l	0.472	ND	60	50-120			
Endrin ketone	0.324	0.0094	0.0028	ug/l	0.472	ND	69	55-120			
Heptachlor	0.554	0.0094	0.0028	ug/l	0.472	ND	124	40-115			MI
Heptachlor epoxide	0.323	0.0047	0.0038	ug/l	0.472	ND	68	50-120			
Methoxychlor	0.341	0.0047	0.0019	ug/l	0.472	ND	72	55-125			
Surrogate: Decachlorobiphenyl	0.409			ug/l	0.472		87	45-120			
Surrogate: Tetrachloro-m-xylene	0.302			ug/l	0.472		64	35-115			

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Trevor Brenner
Project Management Supervisor

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City of Escondido
 1521 S Hale Ave.
 Escondido, CA 92029
 Attention: Vasana Vipatapat

Project ID: Wastewater
 70038 Baseline
 Report Number: IPE0249

Sampled: 05/03/06
 Received: 05/03/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6E08089 Extracted: 05/08/06											
Matrix Spike Dup Analyzed: 05/09/2006 (6E08089-MSD1)						Source: IPE0201-01					
Aldrin	0.346	0.0047	0.0028	ug/l	0.472	ND	73	35-120	11	30	
alpha-BHC	0.643	0.0047	0.00094	ug/l	0.472	ND	136	45-120	1	30	MI
beta-BHC	0.323	0.0094	0.0028	ug/l	0.472	ND	68	50-120	1	30	
delta-BHC	0.430	0.0047	0.0028	ug/l	0.472	ND	91	50-120	1	30	
gamma-BHC (Lindane)	0.374	0.0094	0.0047	ug/l	0.472	ND	79	40-120	1	30	
4,4'-DDD	0.419	0.0047	0.0019	ug/l	0.472	ND	89	55-125	8	30	
4,4'-DDE	0.362	0.0047	0.0028	ug/l	0.472	0.0039	76	50-120	5	30	
4,4'-DDT	0.431	0.0094	0.0028	ug/l	0.472	ND	91	55-125	4	30	
Dieldrin	0.415	0.0047	0.00094	ug/l	0.472	ND	88	50-120	14	30	
Endosulfan I	0.367	0.0047	0.00094	ug/l	0.472	ND	78	50-120	5	30	
Endosulfan II	0.423	0.0047	0.0019	ug/l	0.472	ND	90	55-120	5	30	
Endosulfan sulfate	0.309	0.0094	0.0028	ug/l	0.472	ND	65	55-120	2	30	
Endrin	0.403	0.0047	0.0038	ug/l	0.472	ND	85	55-120	7	30	
Endrin aldehyde	0.395	0.0094	0.0066	ug/l	0.472	ND	84	50-120	33	30	R-3
Endrin ketone	0.310	0.0094	0.0028	ug/l	0.472	ND	66	55-120	4	30	
Heptachlor	0.593	0.0094	0.0028	ug/l	0.472	ND	126	40-115	2	30	MI
Heptachlor epoxide	0.322	0.0047	0.0038	ug/l	0.472	ND	68	50-120	0	30	
Methoxychlor	0.361	0.0047	0.0019	ug/l	0.472	ND	76	55-125	6	30	
Surrogate: Decachlorobiphenyl	0.406			ug/l	0.472		86	45-120			
Surrogate: Tetrachloro-m-xylene	0.301			ug/l	0.472		64	35-115			

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 Treva Brenner
 Project Management Supervisor

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6E08089-010



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 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 705-0851
 2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
 1521 S Hale Ave.
 Escondido, CA 92029
 Attention: Vasana Vipatapat

Project ID: Wastewater
 70038 Baseline
 Report Number: IPE0249

Sampled: 05/03/06
 Received: 05/03/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6E08116 Extracted: 05/08/06											
LCS Analyzed: 05/08/2006 (6E08116-BS1)											
Total Cyanide	0.209	0.025	0.017	mg/l	0.200		104	90-110			
Matrix Spike Analyzed: 05/08/2006 (6E08116-MS1)											
						Source: IPE0145-01					
Total Cyanide	0.165	0.025	0.017	mg/l	0.200	ND	82	70-115			
Matrix Spike Dup Analyzed: 05/08/2006 (6E08116-MSD1)											
						Source: IPE0145-01					
Total Cyanide	0.171	0.025	0.017	mg/l	0.200	ND	86	70-115	4	15	
Batch: 6E09077 Extracted: 05/09/06											
BL Analyzed: 05/09/2006 (6E09077-BLK1)											
Phosphorus	ND	0.050	0.014	mg/l							
LCS Analyzed: 05/09/2006 (6E09077-BS1)											
Phosphorus	0.992	0.050	0.014	mg/l	1.00		99	80-120			
Matrix Spike Analyzed: 05/09/2006 (6E09077-MS1)											
						Source: IPE0387-02					
Phosphorus	1.01	0.050	0.014	mg/l	1.00	ND	101	65-130			
Matrix Spike Dup Analyzed: 05/09/2006 (6E09077-MSD1)											
						Source: IPE0387-02					
Phosphorus	0.999	0.050	0.014	mg/l	1.00	ND	100	65-130	1	15	

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 Baseline
Report Number: IPE0247

Sampled: 05/02/06
Received: 05/03/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limit	RPD	RPD Limit	Data Qualifiers
Batch: 6E08089 Extracted: 05/08/06											
Blank Analyzed: 05/09/2006 (6E08089-BLK1)											
Aldrin	ND	0.0050	0.0030	ug/l							
alpha-BHC	ND	0.0050	0.0010	ug/l							
beta-BHC	ND	0.010	0.0030	ug/l							
delta-BHC	ND	0.0050	0.0030	ug/l							
gamma-BHC (Lindane)	ND	0.010	0.0050	ug/l							
Chlordane	ND	0.10	0.030	ug/l							
4,4'-DDD	ND	0.0050	0.0020	ug/l							
4,4'-DDE	ND	0.0050	0.0030	ug/l							
4,4'-DDT	ND	0.010	0.0030	ug/l							
Endosulfan I	ND	0.0050	0.0010	ug/l							
Endosulfan II	ND	0.0050	0.0020	ug/l							
Endosulfan sulfate	ND	0.010	0.0030	ug/l							
Endrin	ND	0.0050	0.0040	ug/l							
Endrin aldehyde	ND	0.010	0.0070	ug/l							
Endrin ketone	ND	0.010	0.0030	ug/l							
Heptachlor	ND	0.010	0.0030	ug/l							
Heptachlor epoxide	ND	0.0050	0.0040	ug/l							
Methoxychlor	ND	0.0050	0.0020	ug/l							
Toxaphene	ND	0.10	0.070	ug/l							
Surrogate: Decachlorobiphenyl	0.494			ug/l	0.500		99	45-120			
Surrogate: Tetrachloro-m-xylene	0.313			ug/l	0.500		63	35-115			

LCS Analyzed: 05/09/2006 (6E08089-BS1)

Aldrin	0.437	0.0050	0.0030	ug/l	0.500		87	35-120			
alpha-BHC	0.487	0.0050	0.0010	ug/l	0.500		97	45-120			
beta-BHC	0.448	0.010	0.0030	ug/l	0.500		90	50-120			
delta-BHC	0.503	0.0050	0.0030	ug/l	0.500		101	50-120			
gamma-BHC (Lindane)	0.476	0.010	0.0050	ug/l	0.500		95	40-120			
4,4'-DDD	0.537	0.0050	0.0020	ug/l	0.500		107	55-120			
4,4'-DDE	0.491	0.0050	0.0030	ug/l	0.500		98	50-120			
4,4'-DDT	0.530	0.010	0.0030	ug/l	0.500		106	55-120			
Dieldrin	0.487	0.0050	0.0010	ug/l	0.500		97	50-120			
Endosulfan I	0.447	0.0050	0.0010	ug/l	0.500		89	50-120			
Endosulfan II	0.482	0.0050	0.0020	ug/l	0.500		96	55-120			
Endosulfan sulfate	0.489	0.010	0.0030	ug/l	0.500		98	60-120			

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Trevor Brenner
Project Management Supervisor

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2520 E. Sunset Rd. #3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 Baseline
Report Number: IPE0247

Sampled: 05/02/06
Received: 05/03/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD Limit	Data Qualifiers
Batch: 6E08089 Extracted: 05/08/06									
LCS Analyzed: 05/09/2006 (6E08089-BS1)									
Endrin	0.495	0.0050	0.0040	ug/l	0.500		99 55-120		
Endrin aldehyde	0.454	0.010	0.0070	ug/l	0.500		91 55-120		
Endrin ketone	0.511	0.010	0.0030	ug/l	0.500		102 55-120		
Heptachlor	0.444	0.010	0.0030	ug/l	0.500		89 40-115		
Heptachlor epoxide	0.457	0.0050	0.0040	ug/l	0.500		91 50-120		
Methoxychlor	0.505	0.0050	0.0020	ug/l	0.500		101 55-120		
Surrogate: Decachlorobiphenyl	0.514			ug/l	0.500		103 45-120		
Surrogate: Tetrachloro-m-xylene	0.411			ug/l	0.500		82 35-115		

Matrix Spike Analyzed: 05/09/2006 (6E08089-MS1)

Source: IPE0201-01

alpha-BHC	0.309	0.0047	0.0028	ug/l	0.472	ND	65 35-120		
beta-BHC	0.639	0.0047	0.00094	ug/l	0.472	ND	135 45-120		MI
delta-BHC	0.325	0.0094	0.0028	ug/l	0.472	ND	69 50-120		
gamma-BHC (Lindane)	0.433	0.0047	0.0028	ug/l	0.472	ND	92 50-120		
4,4'-DDD	0.377	0.0094	0.0047	ug/l	0.472	ND	80 40-120		
4,4'-DDE	0.385	0.0047	0.0019	ug/l	0.472	ND	82 55-125		
4,4'-DDT	0.346	0.0047	0.0028	ug/l	0.472	0.0039	72 50-120		
Dieldrin	0.415	0.0094	0.0028	ug/l	0.472	ND	88 55-125		
Endosulfan I	0.361	0.0047	0.00094	ug/l	0.472	ND	76 50-120		
Endosulfan II	0.350	0.0047	0.00094	ug/l	0.472	ND	74 50-120		
Endosulfan sulfate	0.401	0.0047	0.0019	ug/l	0.472	ND	85 55-120		
Endrin	0.316	0.0094	0.0028	ug/l	0.472	ND	67 55-120		
Endrin aldehyde	0.375	0.0047	0.0038	ug/l	0.472	ND	79 55-120		
Endrin ketone	0.282	0.0094	0.0066	ug/l	0.472	ND	60 50-120		
Heptachlor	0.324	0.0094	0.0028	ug/l	0.472	ND	69 55-120		
Heptachlor epoxide	0.584	0.0094	0.0028	ug/l	0.472	ND	124 40-115		MI
Methoxychlor	0.323	0.0047	0.0038	ug/l	0.472	ND	68 50-120		
Surrogate: Decachlorobiphenyl	0.341	0.0047	0.0019	ug/l	0.472	ND	72 55-125		
Surrogate: Tetrachloro-m-xylene	0.409			ug/l	0.472		87 45-120		
	0.302			ug/l	0.472		64 35-115		

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Trevor Brenner
Project Management Supervisor

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City of Escondido
 1521 S Hale Ave.
 Escondido, CA 92029
 Attention: Vasana Vipatapat

Project ID: Wastewater
 70038 Baseline
 Report Number: IPE0247

Sampled: 05/02/06
 Received: 05/03/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6E08089 Extracted: 05/08/06											
Matrix Spike Dup Analyzed: 05/09/2006 (6E08089-MSD1)						Source: IPE0201-01					
Aldrin	0.346	0.0047	0.0028	ug/l	0.472	ND	73	35-120	11	30	
alpha-BHC	0.643	0.0047	0.00094	ug/l	0.472	ND	136	45-120	1	30	MI
beta-BHC	0.323	0.0094	0.0028	ug/l	0.472	ND	68	50-120	1	30	
delta-BHC	0.430	0.0047	0.0028	ug/l	0.472	ND	91	50-120	1	30	
gamma-BHC (Lindane)	0.374	0.0094	0.0047	ug/l	0.472	ND	79	40-120	1	30	
4,4'-DDD	0.419	0.0047	0.0019	ug/l	0.472	ND	89	55-125	8	30	
4,4'-DDE	0.362	0.0047	0.0028	ug/l	0.472	0.0039	76	50-120	5	30	
4,4'-DDT	0.431	0.0094	0.0028	ug/l	0.472	ND	91	55-125	4	30	
Endrin	0.415	0.0047	0.00094	ug/l	0.472	ND	88	50-120	14	30	
Endosulfan I	0.367	0.0047	0.00094	ug/l	0.472	ND	78	50-120	5	30	
Endosulfan II	0.423	0.0047	0.0019	ug/l	0.472	ND	90	55-120	5	30	
Endosulfan sulfate	0.309	0.0094	0.0028	ug/l	0.472	ND	65	55-120	2	30	
Endrin	0.403	0.0047	0.0038	ug/l	0.472	ND	85	55-120	7	30	
Endrin aldehyde	0.395	0.0094	0.0066	ug/l	0.472	ND	84	50-120	33	30	R-3
Endrin ketone	0.310	0.0094	0.0028	ug/l	0.472	ND	66	55-120	4	30	
Heptachlor	0.593	0.0094	0.0028	ug/l	0.472	ND	126	40-115	2	30	MI
Heptachlor epoxide	0.322	0.0047	0.0038	ug/l	0.472	ND	68	50-120	0	30	
Methoxychlor	0.361	0.0047	0.0019	ug/l	0.472	ND	76	55-125	6	30	
Surrogate: Decachlorobiphenyl	0.406			ug/l	0.472		86	45-120			
Surrogate: Tetrachloro-m-xylene	0.301			ug/l	0.472		64	35-115			

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 Trevor Brenner
 Project Management Supervisor

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City of Escondido
 Water Quality Laboratory
 1521 South Hale Avenue
 Escondido, CA 92029
 Tel (760) 839-6274

TDS REPORT

Method SM 2540 C.

Sample Location	Log No.	Sample Date	ML	TDS	Unit	Date of Analysis
San Elijo Lag. S. Spillway	060801 905	8/1/2006	5.0	1943	mg/l	8/4/2006
San Elijo Lag. N. Spillway	060801 906	8/1/2006	5.0	14733	mg/l	8/4/2006
La Bajada Bridge	060801 907	8/1/2006	5.0	1523	mg/l	8/4/2006
Trailer Park	060801 910	8/1/2006	5.0	1085	mg/l	8/4/2006
Elfin Forest Park	060801 911	8/1/2006	5.0	1153	mg/l	8/4/2006
HG & CC	060801 912	8/1/2006	5.0	1223	mg/l	8/4/2006
Granite Yard	060801 913	8/1/2006	5.0	1123	mg/l	8/4/2006
Harmony Grove Bridge	060801 916	8/1/2006	5.0	1103	mg/l	8/4/2006
0 & 75 Station	060802 917	8/2/2006	5.0	1170	mg/l	8/4/2006
Esc & PW Yard	060802 920	8/2/2006	5.0	1363	mg/l	8/4/2006
Ash & Channel	060802 923	8/2/2006	5.0	1228	mg/l	8/4/2006
Reidy Creek & RR	060802 940	8/2/2006	5.0	1188	mg/l	8/4/2006

Quality Control

QA/QC	Log number	Cert.value	TDS	Range	Unit	% Recovery
	QC000114	1300	1318	1020 - 1580	mg/l	101%
	Blank	0	0		mg/l	

Sample Location	Sample ID	Sample Date	ML	TDS	Unit	Date of Analysis
Reidy Creek & RR	060801 940	8/2/2006	5.0	1191	mg/l	8/4/2006
Reidy Creek & RR	060801 940	8/2/2006	5.0	1185	mg/l	8/4/2006

Van Lipton

Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

ANION REPORT

Instrument : IC DIONEX DX 500

Method EPA 300.0

Sample Location				La Bajada	Trailer Park	Elfin Forest Park
Log No.				060801907	060801910	060801911
Analyte	MDL	ML	Dilution			
Chloride	0.066	20.0	20	*378 mg/l	227 mg/l	240 mg/l
Nitrate	0.004	1.00	10	1.92 mg/l	4.29 mg/l	5.03 mg/l
Sulfate	0.103	20.0	10	392 mg/l	285 mg/l	308 mg/l

Sample Location				Harmony Grove & CC	Granite Yard	HARRF Boundary
Log No.				060801912	060801913	060801916
Analyte	MDL	ML	Dilution			
Chloride	0.066	20.0	20	246 mg/l	225 mg/l	236 mg/l
Nitrate	0.004	1.00	10	5.94 mg/l	6.00 mg/l	6.60 mg/l
Sulfate	0.103	20.0	10	305 mg/l	300 mg/l	309 mg/l

Sample Location				0+ 75 Station	ESC@PW Yard	Ash @Channel
Log No.				060802917	060802920	060802923
Analyte	MDL	ML	Dilution			
Chloride	0.066	10.0	10	231 mg/l	*287 mg/l	224 mg/l
Nitrate	0.004	1.00	10	6.71 mg/l	4.24 mg/l	11.0 mg/l
Sulfate	0.103	20.0	10	318 mg/l	375 mg/l	339 mg/l

Sample Location				Reidy Cr@PW Yard
Log No.				060802940
Analyte	MDL	ML	Dilution	
Chloride	0.066	20.0	20	224 mg/l
Nitrate	0.004	1.00	10	9.52 mg/l
Sulfate	0.103	20.0	10	309 mg/l

* Dilution 1:20

* Dionex DX-120

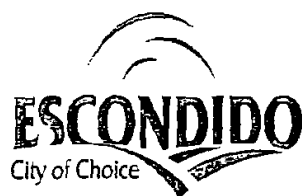
Analyst: [Signature]

Analysis Date: 8/2, 8/3, 8/15, 8/23/06

Lab Superintendent [Signature]

Date: 8/23/06

NOON 8/23/06



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : IC DIONEX DX 500

Method 300.0

Analysis Date 8/2/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	CCCS %REC	LFM %REC	ECCS %REC	Duplicate * %RPD
Chloride	102	96.8	100	101	101	102	0.00
Nitrate	100	108	99.0	98.7	100	104	0.00
Sulfate	102	95.1	103	100	102	102	0.355

Analysis Date 8/3/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC	Duplicate * %RPD
Chloride	103	101	102	101	100	0.00
Nitrate	102	108	100.0	101.0	98.9	0.11
Sulfate	104	102	104	102	100	0.00

Analysis Date 8/15/2006

Instrument : IC DIONEX DX 120

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	CCCS %REC	ECCS %REC	Duplicate * %RPD
Chloride	100	99.4	101	99.0	99.3	99.5	0.00
Nitrate	100	106	99.0	97.8	99.3	101	1.85
Sulfate	101	99.0	102	100	99.7	99.8	0.815

Analysis Date 8/16/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	CCCS %REC	ECCS %REC	Duplicate * %RPD
Chloride	102	95	101	96.2	103	101	0.472
Nitrate	99.2	105	99.6	101	100	102	0.00
Sulfate	102	92.5	103	100	102	101	0.00

Analysis Date 8/23/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC	Duplicate * %RPD
Chloride	103	94.0	101	100	101	0.424

* %RPD= Relative Percentage Different.

60063710



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

ANION REPORT

Instrument : IC DIONEX DX 120

Method EPA 300.0

	Sample Location			San Elijo Lagoon South	San Elijo Lagoon North	La Bajada
	Log No.			060801905	060801906	060801907
Analyte	MDL	ML	Dilution			
Fluoride	0.023	1.00	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l

	Sample Location			Trailer Park	Elfin Forest Park	Harmony Grove & CC
	Log No.			060801910	060801911	060801912
Analyte	MDL	ML	Dilution			
Fluoride	0.023	1.00	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l

	Sample Location			Granite Yard	HARRF Boundary	0+ 75 Station
	Log No.			060801913	060801916	060802917
Analyte	MDL	ML	Dilution			
Fluoride	0.023	1.00	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l

	Sample Location			ESC@PW Yard	Ash @Channel	Reidy Cr@PW Yard
	Log No.			060802920	060802923	060802940
Analyte	MDL	ML	Dilution			
Fluoride	0.023	1.00	10	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l

Analysis Date	8/2/2006					
QA/QC	IPC	MRL	QCS	LFM	ECCS	Duplicate
	%REC	%REC	%REC	%REC	%REC	%RPD
Fluoride	97.3	100	94.5	85.8	100	1.31

Analysis Date	8/3/2006					
QA/QC	IPC	MRL	QCS	LFM	ECCS	Duplicate
	%REC	%REC	%REC	%REC	%REC	%RPD
Fluoride	95.4	104	96.4	91.4	96.0	1.94

Analyst: [Signature]

Analysis Date: 8/2/06 & 8/3/06

Lab Superintendent: [Signature]

Date: 8/2/06

60038710



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Sample Type: **Base Line - August 2006**

Analysis Date: **8/18/06**

Analyte	units	dilution factor	Sample Location		Ash & Channel	0 & 75 Station	Reidy Creek&RR	Esc & PW Yard
			Log No.		060802-923	060802-917	060802-940	060802-920
			ML	MDL				
Aluminum	µg/L	1	50	2.90	91.2	183	150	340
Antimony	µg/L	1	10	1.06	1.63J	1.32J	1.19J	1.61J
Arsenic	µg/L	1	10	3.29	3.53J	ND	4.92J	ND
Barium	µg/L	1	10	0.014	84.5	81.2	92.4	63.8
Beryllium	µg/L	1	2	0.007	ND	0.008J	ND	ND
Boron	µg/L	1	20	0.406	143	186	144	163
Cadmium	µg/L	1	2	0.130	ND	ND	ND	ND
Calcium	mg/L	1	10	0.009	99.7	98.4	97.1	108
Chromium	µg/L	1	2	0.386	ND	0.996J	ND	ND
Cobalt	µg/L	1	2	0.442	0.884J	1.16J	0.574J	0.759J
Copper	µg/L	1	5	0.224	1.50J	6.37	2.76J	2.62J
Iron	µg/L	1	50	5.31	113	216	161	333
Lead	µg/L	1	5	1.71	ND	ND	3.20J	2.06J
Magnesium	mg/L	1	10	0.002	57.4	62.1	57.8	77.7
Manganese	µg/L	1	10	0.145	17.1	32.4	17.8	31.9
Molybdenum	µg/L	1	2	0.315	9.59	9.72	8.75	11.3
Nickel	µg/L	1	5	0.788	8.73	7.63	9.80	3.70J
Phosphorus	µg/L	1	50	3.61	66.5	67.2	67.9	51.0
Potassium	mg/L	1	4	0.001	2.98J	4.14	3.03J	4.62
Selenium	µg/L	1	10	5.46	ND	ND	ND	ND
Silver	µg/L	1	2	0.397	0.484J	ND	0.471J	0.611J
Sodium	mg/L	1	10	0.024	201	199	198	207
Thallium	µg/L	1	2	1.58	ND	ND	ND	ND
Vanadium	µg/L	1	2	0.230	15.0	19.6	18.9	27.4
Zinc	µg/L	1	10	0.967	18.2	33.8	25.9	22.2

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

ND: Not detected or less than the ML

J: Reported between ML and MDL

MDL: Method Detection Limit

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM* Second Review: *JB*

Final Review: *Vasana Vipatapat*
Vasana Vipatapat,
Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Sample Type: **Base Line - August 2006**

Analysis Date: **8/18/06**

Analyte	units	dilution factor	Sample Location		Harmony Grove&CC	HARRF Boundry
			Log No.		060801-912	060801-916
			ML	MDL		
Aluminum	µg/L	1	50	2.90	95.0	401
Antimony	µg/L	1	10	1.06	3.27J	ND
Arsenic	µg/L	1	10	3.29	ND	ND
Barium	µg/L	1	10	0.014	77.1	68.9
Beryllium	µg/L	1	2	0.007	ND	ND
Boron	µg/L	1	20	0.406	188	173
Cadmium	µg/L	1	2	0.130	ND	ND
Calcium	mg/L	1	10	0.009	93.0	79.4
Chromium	µg/L	1	2	0.386	ND	0.545J
Cobalt	µg/L	1	2	0.442	0.754J	1.02J
Copper	µg/L	1	5	0.224	1.81J	4.60J
Iron	µg/L	1	50	5.31	112	424
Lead	µg/L	1	5	1.71	ND	ND
Magnesium	mg/L	1	10	0.002	58.8	55.5
Manganese	µg/L	1	10	0.145	42.9	33.9
Molybdenum	µg/L	1	2	0.315	9.53	10.3
Nickel	µg/L	1	5	0.788	6.91	7.84
Phosphorus	µg/L	1	50	3.61	105	142
Potassium	mg/L	1	4	0.001	5.40	4.84
Selenium	µg/L	1	10	5.46	ND	ND
Silver	µg/L	1	2	0.397	0.438J	ND
Sodium	mg/L	1	10	0.024	188	192
Thallium	µg/L	1	2	1.58	2.52	2.29
Vanadium	µg/L	1	2	0.230	17.6	23.1
Zinc	µg/L	1	10	0.967	11.9	28.1

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

ND: Not detected or less than the ML

J: Reported between ML and MDL

MDL: Method Detection Limit

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM* Second Review: *JB*

Final Review: *Vu Vipatapat*

Vasana Vipatapat,
Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: **Base Line - August 2006**

Method 200.7

Sample Type: **8/18/06**

QA/QC	IPC-1 %Rec	LRB (mg/L)	IPC-2 %Rec	IPC-3 %Rec	Lab Dup %RPD	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	≤ 10	85-115	70-130	90-110
Aluminum	101	ND	99	99	0.251	99	98	98
Antimony	102	ND	101	101	0.858	99	99	99
Arsenic	100	ND	102	101	0.879	101	104	100
Barium	102	ND	102	101	0.085	99	93	99
Beryllium	104	ND	102	101	0.399	97	94	99
Boron	100	ND	101	99	0.331	95	86	99
Cadmium	102	ND	100	99	0.689	94	90	97
Calcium	103	ND	101	99	0.619	98	88	100
Chromium	103	ND	102	102	1.053	98	95	100
Cobalt	103	ND	103	101	0.830	96	92	98
Copper	102	ND	101	100	0.111	97	98	99
Iron	97	ND	96	95	0.321	92	86	91
Lead	100	ND	99	100	0.000	92	88	95
Magnesium	102	ND	102	101	0.212	96	81	99
Manganese	102	ND	100	99	0.205	97	91	98
Molybdenum	103	ND	102	102	0.692	97	94	99
Nickel	103	ND	103	100	0.399	94	88	99
Phosphorus	102	ND	103	104	0.143	99	95	100
Potassium	103	ND	102	102	0.221	105	107	102
Selenium	103	ND	102	104	1.254	99	106	98
Silver	103	ND	101	100	0.205	101	100	98
Sodium	98	ND	97	97	0.217	98	84	101
Thallium	103	ND	99	100	0.976	88	84	92
Vanadium	101	ND	100	99	0.295	98	97	99
Zinc	102	ND	101	100	0.389	96	96	100

Notation:

IPC - Instrument Performance Check

LRB - Laboratory Reagent Blank

LFB - Lab Fortified Blank

LFM - Laboratory Fortified Matrix

NR - Not Required

SIC - Spectral Interference Check

%Rec - Recovery Percent

ND - Not detected (less than 2.2 x MDL or 10% of sample concentration, which ever is greater)

%RPD - Relative Percent Difference

Analyzed by: Christina Moran, Associate Chemist

Reviewed by: Vasana Vipatapat, Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Sample Type: **Base Line - August 2006**

Analysis Date: **8/18/06 & 8/31/06**

		Sample Location		San Elijo Lagoon South	
		dilution factor	Log No.		060801-905
Analyte	units		ML	MDL	
Aluminum	µg/L	1	50	2.90	4640
Antimony	µg/L	1	10	1.06	2.44J
Arsenic	µg/L	1	10	3.29	ND
Barium	µg/L	1	10	0.014	89.9
Beryllium	µg/L	1	2	0.007	0.039J
Boron	µg/L	1	20	0.406	316
Cadmium	µg/L	1	2	0.130	0.410J
Calcium	mg/L	10	10	0.009	143
Chromium	µg/L	1	2	0.386	2.57
Cobalt	µg/L	1	2	0.442	3.18
Copper	µg/L	1	5	0.224	7.34
Iron	µg/L	1	50	5.31	3970
Lead	µg/L	1	5	1.71	4.24J
Magnesium	mg/L	10	10	0.002	109
Manganese	µg/L	10	10	0.145	997
Molybdenum	µg/L	1	2	0.315	4.87
Nickel	µg/L	1	5	0.788	9.15
Phosphorus	µg/L	1	50	3.61	788
Potassium	mg/L	1	4	0.001	16.4
Selenium	µg/L	1	10	5.46	ND
Silver	µg/L	1	2	0.397	2.01
Sodium	mg/L	10	10	0.024	346
Thallium	µg/L	1	2	1.58	ND
Vanadium	µg/L	1	2	0.230	34.4
Zinc	µg/L	1	10	0.967	34.6

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

ND: Not detected or less than the ML

J: Reported between ML and MDL

MDL: Method Detection Limit

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM* Second Review: *JB*

Final Review: *Va Vipat*

Vasana Vipatapat,
Laboratory Superintendent





City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: **Base Line - August 2006**

Method 200.7

Sample Type: **8/18/06**

QA/QC	IPC-1 %Rec	LRB (mg/L)	IPC-2 %Rec	IPC-3 %Rec	Lab Dup %RPD	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	≤ 10	85-115	70-130	90-110
Aluminum	101	ND	99	99	0.251	99	98	98
Antimony	102	ND	101	101	0.858	99	99	99
Arsenic	100	ND	102	101	0.879	101	104	100
Barium	102	ND	102	101	0.085	99	93	99
Beryllium	104	ND	102	101	0.399	97	94	99
Boron	100	ND	101	99	0.331	95	86	99
Cadmium	102	ND	100	99	0.689	94	90	97
Calcium	103	ND	101	99	0.619	98	88	100
Chromium	103	ND	102	102	1.053	98	95	100
Cobalt	103	ND	103	101	0.830	96	92	98
Copper	102	ND	101	100	0.111	97	98	99
Iron	97	ND	96	95	0.321	92	86	91
Lead	100	ND	99	100	0.000	92	88	95
Magnesium	102	ND	102	101	0.212	96	81	99
Manganese	102	ND	100	99	0.205	97	91	98
Molybdenum	103	ND	102	102	0.692	97	94	99
Nickel	103	ND	103	100	0.399	94	88	99
Phosphorus	102	ND	103	104	0.143	99	95	100
Potassium	103	ND	102	102	0.221	105	107	102
Selenium	103	ND	102	104	1.254	99	106	98
Silver	103	ND	101	100	0.205	101	100	98
Sodium	98	ND	97	97	0.217	98	84	101
Thallium	103	ND	99	100	0.976	88	84	92
Vanadium	101	ND	100	99	0.295	98	97	99
Zinc	102	ND	101	100	0.389	96	96	100

Notation: IPC - Instrument Performance Check

LRB - Laboratory Reagent Blank

LFB - Lab Fortified Blank

LFM - Laboratory Fortified Matrix

NR - Not Required

SIC - Spectral Interference Check

%Rec - Recovery Percent

ND - Not detected (less than 2.2 x MDL or 10% of sample concentration, whichever is greater)

%RPD - Relative Percent Difference

Analyzed by: Christina Moran, Associate Chemist

Reviewed by: Vasana Vipatapat, Laboratory Superintendent *W*



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: **Base Line - August 2006**

Method 200.7

Sample Type: **8/31/06**

QA/QC	IPC-1 %Rec	LRB (mg/L)	IPC-2 %Rec	IPC-3 %Rec	Dil. Test %Rec	Lab Dup %RPD	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	90-110	≤ 10	85-115	70-130	90-110
Boron	99	ND	98	96	103	1.518	94	92	98
Calcium	101	ND	99	99	104	0.733	97	98	99
Magnesium	102	ND	100	100	102	0.413	96	91	99
Manganese	97	ND	94	94	102	0.600	93	96	93
Sodium	101	ND	99	99	97	0.269	100	75	103

Notation: IPC - Instrument Performance Check
LRB - Laboratory Reagent Blank
LFB - Lab Fortified Blank
LFM - Laboratory Fortified Matrix
NR - Not Required
Dil. Test - Dilution Test

SIC - Spectral Interference Check
%Rec - Recovery Percent
ND - Not detected (less than 2.2 x MDL or 10% of
sample concentration, which ever is greater)
%RPD - Relative Percent Difference

Analyzed by: Christina Moran, Associate Chemist

Reviewed by: Vasana Vipatapat, Laboratory Superintendent



City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0208

Sampled: 08/01/06
Received: 08/02/06

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0208-01 (60801 907 La Bajada - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H03043	0.80	1.5	ND	10	08/03/06	08/03/06	RL-3
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.088	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.13	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.11	1	08/02/06	08/03/06	
Sample ID: IPH0208-02 (60801 910 Trailer Pk - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H03043	0.80	1.5	ND	10	08/03/06	08/03/06	RL-3
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	ND	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.026	1	08/04/06	08/04/06	J
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.14	1	08/02/06	08/03/06	
Sample ID: IPH0208-03 (60801 911 Elfin Rec Pk - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H03043	0.80	1.5	ND	10	08/03/06	08/03/06	RL-3
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.12	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.062	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.10	1	08/02/06	08/03/06	
Sample ID: IPH0208-04 (060801 912 Harmony Grove & CC - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	6H08160	0.017	0.025	ND	1	08/08/06	08/09/06	
Nitrite-N	EPA 300.0	6H03043	0.80	1.5	ND	10	08/03/06	08/03/06	RL-3
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.11	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.079	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.11	1	08/02/06	08/03/06	
Sample ID: IPH0208-05 (60801 913 Granite Yd - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H02041	0.080	0.15	0.84	1	08/02/06	08/02/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.11	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.091	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.12	1	08/02/06	08/03/06	
Sample ID: IPH0208-06 (060801 916 Harri Boundary - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	6H08160	0.017	0.025	ND	1	08/08/06	08/09/06	
Nitrite-N	EPA 300.0	6H02041	0.080	0.15	0.78	1	08/02/06	08/02/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.081	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.13	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.12	1	08/02/06	08/03/06	

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TestAmerica

ANALYTICAL TESTING CORPORATION

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0206

Sampled: 08/01/06-08/02/06
Received: 08/02/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0206-01 (060802 917 0+75 Station - Water)					Sampled: 08/02/06				
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	6H08160	0.017	0.025	ND	1	08/08/06	08/09/06	
Nitrite-N	EPA 300.0	6H02042	0.080	0.15	0.38	1	08/02/06	08/03/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.051	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.078	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.070	1	08/02/06	08/03/06	J
Sample ID: IPH0206-03 (060802 920 ESC & PW Yd - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H02042	0.080	0.15	0.35	1	08/02/06	08/03/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.056	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.052	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.080	1	08/02/06	08/03/06	J
Sample ID: IPH0206-04 (060802 923 Ash & Channel - Water)					Sampled: 08/02/06				
Reporting Units: mg/l									
Total Cyanide	SM4500-CN-C,E	6H08160	0.017	0.025	ND	1	08/08/06	08/09/06	
Nitrite-N	EPA 300.0	6H02042	0.080	0.15	0.35	1	08/02/06	08/03/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.10	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.057	1	08/04/06	08/04/06	
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	ND	1	08/02/06	08/03/06	
Sample ID: IPH0206-05 (60802 940 Reidyck & RR - Water)					Sampled: 08/01/06				
Reporting Units: mg/l									
Nitrite-N	EPA 300.0	6H02042	0.080	0.15	0.43	1	08/02/06	08/03/06	
Orthophosphate - P	EPA 365.3	6H02156	0.032	0.050	0.096	1	08/02/06	08/02/06	
Phosphorus	EPA 365.3	6H04001	0.014	0.050	0.048	1	08/04/06	08/04/06	J
Surfactants (MBAS)	SM5540-C	6H02147	0.044	0.10	0.053	1	08/02/06	08/03/06	J

TestAmerica - Irvine, CA
Amy Windham
Project Manager

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01282005
NOON IN 05

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0208

Sampled: 08/01/06
Received: 08/02/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0208-04 (060801 912 Harmony Grove & CC - Water)					Sampled: 08/01/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
alpha-BHC	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
beta-BHC	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
delta-BHC	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
gamma-BHC (Lindane)	EPA 608	6H07081	0.0047	0.0094	ND	0.943	08/07/06	08/08/06	
Chlordane	EPA 608	6H07081	0.028	0.094	ND	0.943	08/07/06	08/08/06	
4,4'-DDD	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDE	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDT	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Dieldrin	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan I	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan II	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan sulfate	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Endrin aldehyde	EPA 608	6H07081	0.0066	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin ketone	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor epoxide	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Methoxychlor	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Toxaphene	EPA 608	6H07081	0.066	0.094	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					68 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					64 %				

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Amy Windham
Project Manager



ANALYTICAL TESTING CORPORATION

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0208

Sampled: 08/01/06
Received: 08/02/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0208-06 (060801 916 Harrf Boundary - Water)					Sampled: 08/01/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
alpha-BHC	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
beta-BHC	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
delta-BHC	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
gamma-BHC (Lindane)	EPA 608	6H07081	0.0047	0.0094	ND	0.943	08/07/06	08/08/06	
Chlordane	EPA 608	6H07081	0.028	0.094	ND	0.943	08/07/06	08/08/06	
4,4'-DDD	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDE	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDT	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Dieldrin	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan I	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan II	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan sulfate	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Endrin aldehyde	EPA 608	6H07081	0.0066	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin ketone	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor epoxide	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Methoxychlor	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Toxaphene	EPA 608	6H07081	0.066	0.094	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					83 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					60 %				

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Sampled: 08/01/06
Received: 08/02/06

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0208-04 (060801 912 Harmony Grove & CC - Water)					Sampled: 08/01/06				
Reporting Units: ug/l									
Aroclor 1016	EPA 608	6H07081	0.19	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1221	EPA 608	6H07081	0.094	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1232	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1242	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1248	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1254	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1260	EPA 608	6H07081	0.38	0.47	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					80 %				

Sample ID: IPH0208-06 (060801 916 Harrf Boundary - Water)					Sampled: 08/01/06				
Reporting Units: ug/l									
Aroclor 1016	EPA 608	6H07081	0.19	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1221	EPA 608	6H07081	0.094	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1232	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1242	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1248	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1254	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1260	EPA 608	6H07081	0.38	0.47	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					88 %				

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Received: 08/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06											
Blank Analyzed: 08/08/2006 (6H07081-BLK1)											
Aldrin	ND	0.0050	0.0030	ug/l							
alpha-BHC	ND	0.0050	0.0010	ug/l							
beta-BHC	ND	0.010	0.0030	ug/l							
delta-BHC	ND	0.0050	0.0030	ug/l							
gamma-BHC (Lindane)	ND	0.010	0.0050	ug/l							
Chlordane	ND	0.10	0.030	ug/l							
4,4'-DDD	ND	0.0050	0.0020	ug/l							
DDE	ND	0.0050	0.0030	ug/l							
DDT	ND	0.010	0.0030	ug/l							
Dieldrin	ND	0.0050	0.0010	ug/l							
Endosulfan I	ND	0.0050	0.0010	ug/l							
Endosulfan II	ND	0.0050	0.0020	ug/l							
Endosulfan sulfate	ND	0.010	0.0030	ug/l							
Endrin	ND	0.0050	0.0040	ug/l							
Endrin aldehyde	ND	0.010	0.0070	ug/l							
Endrin ketone	ND	0.010	0.0030	ug/l							
Heptachlor	ND	0.010	0.0030	ug/l							
Heptachlor epoxide	ND	0.0050	0.0040	ug/l							
Methoxychlor	ND	0.0050	0.0020	ug/l							
Toxaphene	ND	0.10	0.070	ug/l							
Surrogate: Decachlorobiphenyl	0.389			ug/l	0.500		78	45-120			
Surrogate: Tetrachloro-m-xylene	0.333			ug/l	0.500		67	35-115			
LCS Analyzed: 08/09/2006 (6H07081-BS1)											
Aldrin	0.388	0.0050	0.0015	ug/l	0.500		78	35-120			
alpha-BHC	0.378	0.0050	0.0025	ug/l	0.500		76	45-120			
beta-BHC	0.458	0.010	0.0040	ug/l	0.500		92	50-120			
delta-BHC	0.419	0.0050	0.0035	ug/l	0.500		84	50-120			
gamma-BHC (Lindane)	0.392	0.010	0.0030	ug/l	0.500		78	40-120			
4,4'-DDD	0.455	0.0050	0.0020	ug/l	0.500		91	55-120			
4,4'-DDE	0.442	0.0050	0.0030	ug/l	0.500		88	50-120			
4,4'-DDT	0.467	0.010	0.0040	ug/l	0.500		93	55-120			
Dieldrin	0.461	0.0050	0.0020	ug/l	0.500		92	50-120			
Endosulfan I	0.469	0.0050	0.0020	ug/l	0.500		94	50-120			
Endosulfan II	0.490	0.0050	0.0030	ug/l	0.500		98	55-120			
Endosulfan sulfate	0.514	0.010	0.0030	ug/l	0.500		103	60-120			

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06									
LCS Analyzed: 08/09/2006 (6H07081-BS1)									
Endrin	0.474	0.0050	0.0020	ug/l	0.500		95 55-120		
Endrin aldehyde	0.474	0.010	0.0020	ug/l	0.500		95 55-120		
Endrin ketone	0.459	0.010	0.0030	ug/l	0.500		92 55-120		
Heptachlor	0.449	0.010	0.0030	ug/l	0.500		90 40-115		
Heptachlor epoxide	0.462	0.0050	0.0025	ug/l	0.500		92 50-120		
Methoxychlor	0.488	0.0050	0.0035	ug/l	0.500		98 55-120		
Surrogate: Decachlorobiphenyl	0.426			ug/l	0.500		85 45-120		
Surrogate: Tetrachloro-m-xylene	0.346			ug/l	0.500		69 35-115		
LCS Dup Analyzed: 08/09/2006 (6H07081-BSD1)									
Aldrin	0.348	0.0050	0.0015	ug/l	0.500		70 35-120	11	30
alpha-BHC	0.347	0.0050	0.0025	ug/l	0.500		69 45-120	9	30
beta-BHC	0.415	0.010	0.0040	ug/l	0.500		83 50-120	10	30
delta-BHC	0.369	0.0050	0.0035	ug/l	0.500		74 50-120	13	30
gamma-BHC (Lindane)	0.356	0.010	0.0030	ug/l	0.500		71 40-120	10	30
4,4'-DDD	0.408	0.0050	0.0020	ug/l	0.500		82 55-120	11	30
4,4'-DDE	0.395	0.0050	0.0030	ug/l	0.500		79 50-120	11	30
4,4'-DDT	0.419	0.010	0.0040	ug/l	0.500		84 55-120	11	30
Dieldrin	0.420	0.0050	0.0020	ug/l	0.500		84 50-120	9	30
Endosulfan I	0.424	0.0050	0.0020	ug/l	0.500		85 50-120	10	30
Endosulfan II	0.448	0.0050	0.0030	ug/l	0.500		90 55-120	9	30
Endosulfan sulfate	0.465	0.010	0.0030	ug/l	0.500		93 60-120	10	30
Endrin	0.429	0.0050	0.0020	ug/l	0.500		86 55-120	10	30
Endrin aldehyde	0.432	0.010	0.0020	ug/l	0.500		86 55-120	9	30
Endrin ketone	0.416	0.010	0.0030	ug/l	0.500		83 55-120	10	30
Heptachlor	0.415	0.010	0.0030	ug/l	0.500		83 40-115	8	30
Heptachlor epoxide	0.423	0.0050	0.0025	ug/l	0.500		85 50-120	9	30
Methoxychlor	0.442	0.0050	0.0035	ug/l	0.500		88 55-120	10	30
Surrogate: Decachlorobiphenyl	0.396			ug/l	0.500		79 45-120		
Surrogate: Tetrachloro-m-xylene	0.347			ug/l	0.500		69 35-115		

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10/10/06

City of Escondido
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Attention: Vasana Vipatapat

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Baseline/70038
Report Number: IPH0208

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 6H07081 Extracted: 08/07/06

Matrix Spike Analyzed: 08/08/2006 (6H07081-MS1)

Source: IPH0110-24

Aldrin	0.341	0.0050	0.0030	ug/l	0.500	ND	68	35-120			
alpha-BHC	0.343	0.0050	0.0010	ug/l	0.500	ND	69	45-120			
beta-BHC	0.388	0.010	0.0030	ug/l	0.500	ND	78	50-120			
delta-BHC	0.355	0.0050	0.0030	ug/l	0.500	ND	71	50-120			
gamma-BHC (Lindane)	0.353	0.010	0.0050	ug/l	0.500	ND	71	40-120			
4,4'-DDD	0.367	0.0050	0.0020	ug/l	0.500	ND	73	55-125			
4,4'-DDE	0.360	0.0050	0.0030	ug/l	0.500	ND	72	50-120			
DDT	0.375	0.010	0.0030	ug/l	0.500	ND	75	55-125			
Drin	0.388	0.0050	0.0010	ug/l	0.500	ND	78	50-120			
Endosulfan I	0.390	0.0050	0.0010	ug/l	0.500	ND	78	50-120			
Endosulfan II	0.395	0.0050	0.0020	ug/l	0.500	ND	79	55-120			
Endosulfan sulfate	0.429	0.010	0.0030	ug/l	0.500	ND	86	55-120			
Endrin	0.401	0.0050	0.0040	ug/l	0.500	ND	80	55-120			
Endrin aldehyde	0.371	0.010	0.0070	ug/l	0.500	ND	74	50-120			
Endrin ketone	0.391	0.010	0.0030	ug/l	0.500	ND	78	55-120			
Heptachlor	0.404	0.010	0.0030	ug/l	0.500	ND	81	40-115			
Heptachlor epoxide	0.406	0.0050	0.0040	ug/l	0.500	ND	81	50-120			
Methoxychlor	0.415	0.0050	0.0020	ug/l	0.500	ND	83	55-125			
Surrogate: Decachlorobiphenyl	0.387			ug/l	0.500		77	45-120			
Surrogate: Tetrachloro-m-xylene	0.293			ug/l	0.500		59	35-115			

Matrix Spike Dup Analyzed: 08/08/2006 (6H07081-MSD1)

Source: IPH0110-24

Aldrin	0.348	0.0050	0.0030	ug/l	0.500	ND	70	35-120	2	30	
alpha-BHC	0.367	0.0050	0.0010	ug/l	0.500	ND	73	45-120	7	30	
beta-BHC	0.421	0.010	0.0030	ug/l	0.500	ND	84	50-120	8	30	
delta-BHC	0.377	0.0050	0.0030	ug/l	0.500	ND	75	50-120	6	30	
gamma-BHC (Lindane)	0.376	0.010	0.0050	ug/l	0.500	ND	75	40-120	6	30	
4,4'-DDD	0.390	0.0050	0.0020	ug/l	0.500	ND	78	55-125	6	30	
4,4'-DDE	0.369	0.0050	0.0030	ug/l	0.500	ND	74	50-120	2	30	
4,4'-DDT	0.403	0.010	0.0030	ug/l	0.500	ND	81	55-125	7	30	
Dieldrin	0.407	0.0050	0.0010	ug/l	0.500	ND	81	50-120	5	30	
Endosulfan I	0.404	0.0050	0.0010	ug/l	0.500	ND	81	50-120	4	30	
Endosulfan II	0.417	0.0050	0.0020	ug/l	0.500	ND	83	55-120	5	30	
Endosulfan sulfate	0.466	0.010	0.0030	ug/l	0.500	ND	93	55-120	8	30	
Drin	0.423	0.0050	0.0040	ug/l	0.500	ND	85	55-120	5	30	
Drin aldehyde	0.377	0.010	0.0070	ug/l	0.500	ND	75	50-120	2	30	

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METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 6H07081 Extracted: 08/07/06

Matrix Spike Dup Analyzed: 08/08/2006 (6H07081-MSD1)

Source: IPH0110-24

Endrin ketone	0.413	0.010	0.0030	ug/l	0.500	ND	83	55-120	5	30	
Heptachlor	0.435	0.010	0.0030	ug/l	0.500	ND	87	40-115	7	30	
Heptachlor epoxide	0.425	0.0050	0.0040	ug/l	0.500	ND	85	50-120	5	30	
Methoxychlor	0.450	0.0050	0.0020	ug/l	0.500	ND	90	55-125	8	30	
Surrogate: Decachlorobiphenyl	0.403			ug/l	0.500		81	45-120			
Surrogate: Tetrachloro-m-xylene	0.357			ug/l	0.500		71	35-115			

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METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06									
Blank Analyzed: 08/08/2006 (6H07081-BLK1)									
Aroclor 1016	ND	0.50	0.20	ug/l					
Aroclor 1221	ND	0.50	0.10	ug/l					
Aroclor 1232	ND	0.50	0.25	ug/l					
Aroclor 1242	ND	0.50	0.25	ug/l					
Aroclor 1248	ND	0.50	0.25	ug/l					
Aroclor 1254	ND	0.50	0.25	ug/l					
Aroclor 1260	ND	0.50	0.40	ug/l					
Surrogate: Decachlorobiphenyl	0.404			ug/l	0.500		81 45-120		
LCS Analyzed: 08/08/2006 (6H07081-BS2)									
Aroclor 1016	3.27	0.50	0.20	ug/l	4.00		82 45-115		M-NR1
Aroclor 1260	3.43	0.50	0.40	ug/l	4.00		86 55-115		
Surrogate: Decachlorobiphenyl	0.398			ug/l	0.500		80 45-120		
LCS Dup Analyzed: 08/08/2006 (6H07081-BSD2)									
Aroclor 1016	3.25	0.50	0.20	ug/l	4.00		81 45-115	1 30	
Aroclor 1260	3.44	0.50	0.40	ug/l	4.00		86 55-115	0 25	
Surrogate: Decachlorobiphenyl	0.413			ug/l	0.500		83 45-120		

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H02041 Extracted: 08/02/06											
Blank Analyzed: 08/02/2006 (6H02041-BLK1)											
Nitrite-N	ND	0.15	0.080	mg/l							
LCS Analyzed: 08/02/2006 (6H02041-BS1)											
Nitrite-N	1.38	0.15	0.080	mg/l	1.52		91	90-110			
Matrix Spike Analyzed: 08/02/2006 (6H02041-MS1)						Source: IPH0040-01					
Nitrite-N	2.26	0.75	0.40	mg/l	1.52	ND	149	80-120			MI
Matrix Spike Dup Analyzed: 08/02/2006 (6H02041-MSD1)						Source: IPH0040-01					
te-N	2.24	0.75	0.40	mg/l	1.52	ND	147	80-120	1	20	MI
Batch: 6H02147 Extracted: 08/02/06											
Blank Analyzed: 08/03/2006 (6H02147-BLK1)											
Surfactants (MBAS)	ND	0.10	0.044	mg/l							
LCS Analyzed: 08/03/2006 (6H02147-BS1)											
Surfactants (MBAS)	0.251	0.10	0.044	mg/l	0.250		100	90-110			
Matrix Spike Analyzed: 08/03/2006 (6H02147-MS1)						Source: IPH0209-01					
Surfactants (MBAS)	0.316	0.10	0.044	mg/l	0.250	0.063	101	50-125			
Matrix Spike Dup Analyzed: 08/03/2006 (6H02147-MSD1)						Source: IPH0209-01					
Surfactants (MBAS)	0.318	0.10	0.044	mg/l	0.250	0.063	102	50-125	1	20	
Batch: 6H02156 Extracted: 08/02/06											
Blank Analyzed: 08/02/2006 (6H02156-BLK1)											
Orthophosphate - P	ND	0.050	0.032	mg/l							

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City of Escondido
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Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0208

Sampled: 08/01/06
Received: 08/02/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Data Qualifiers
Batch: 6H02156 Extracted: 08/02/06									
LCS Analyzed: 08/02/2006 (6H02156-BS1)									
Orthophosphate - P	1.18	0.050	0.032	mg/l	1.20		98 90-110		
Matrix Spike Analyzed: 08/02/2006 (6H02156-MS1)					Source: IPH0206-01				
Orthophosphate - P	0.982	0.050	0.032	mg/l	1.20	0.051	78 75-125		
Matrix Spike Dup Analyzed: 08/02/2006 (6H02156-MSD1)					Source: IPH0206-01				
Orthophosphate - P	0.998	0.050	0.032	mg/l	1.20	0.051	79 75-125	2	20
Batch: 6H03043 Extracted: 08/03/06									
Blank Analyzed: 08/03/2006 (6H03043-BLK1)									
Nitrite-N	ND	0.15	0.080	mg/l					
LCS Analyzed: 08/03/2006 (6H03043-BS1)									
Nitrite-N	1.60	0.15	0.080	mg/l	1.52		105 90-110		
Matrix Spike Analyzed: 08/03/2006 (6H03043-MS1)					Source: IPH0252-01				
Nitrite-N	1.60	0.30	0.16	mg/l	1.52	ND	105 80-120		
Matrix Spike Dup Analyzed: 08/03/2006 (6H03043-MSD1)					Source: IPH0252-01				
Nitrite-N	1.59	0.30	0.16	mg/l	1.52	ND	105 80-120	1	20
Batch: 6H04001 Extracted: 08/04/06									
Blank Analyzed: 08/04/2006 (6H04001-BLK1)									
Phosphorus	ND	0.050	0.014	mg/l					

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METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H04001 Extracted: 08/04/06											
LCS Analyzed: 08/04/2006 (6H04001-BS1)											
Phosphorus	0.938	0.050	0.014	mg/l	1.00		94	80-120			
Matrix Spike Analyzed: 08/04/2006 (6H04001-MS1)											
Phosphorus	0.673	0.050	0.014	mg/l	1.00	0.029	64	65-130			M2
Matrix Spike Dup Analyzed: 08/04/2006 (6H04001-MSD1)											
Phosphorus	0.688	0.050	0.014	mg/l	1.00	0.029	66	65-130	2	15	
*ch: 6H08160 Extracted: 08/08/06											
Blank Analyzed: 08/09/2006 (6H08160-BLK1)											
Total Cyanide	ND	0.025	0.017	mg/l							
LCS Analyzed: 08/09/2006 (6H08160-BS1)											
Total Cyanide	0.195	0.025	0.017	mg/l	0.200		97	90-110			
Matrix Spike Analyzed: 08/09/2006 (6H08160-MS1)											
Total Cyanide	0.203	0.025	0.017	mg/l	0.200	ND	102	70-115			
Matrix Spike Dup Analyzed: 08/09/2006 (6H08160-MSD1)											
Total Cyanide	0.186	0.025	0.017	mg/l	0.200	ND	93	70-115	9	15	

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Received: 08/02/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0206-01 (060802 917 0+75 Station - Water)					Sampled: 08/02/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
alpha-BHC	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
beta-BHC	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
delta-BHC	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
gamma-BHC (Lindane)	EPA 608	6H07081	0.0047	0.0094	ND	0.943	08/07/06	08/08/06	
Chlordane	EPA 608	6H07081	0.028	0.094	ND	0.943	08/07/06	08/08/06	
4,4'-DDD	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDE	EPA 608	6H07081	0.0028	0.0047	ND	0.943	08/07/06	08/08/06	
4,4'-DDT	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Dieldrin	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan I	EPA 608	6H07081	0.00094	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan II	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Endosulfan sulfate	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Endrin aldehyde	EPA 608	6H07081	0.0066	0.0094	ND	0.943	08/07/06	08/08/06	
Endrin ketone	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor	EPA 608	6H07081	0.0028	0.0094	ND	0.943	08/07/06	08/08/06	
Heptachlor epoxide	EPA 608	6H07081	0.0038	0.0047	ND	0.943	08/07/06	08/08/06	
Methoxychlor	EPA 608	6H07081	0.0019	0.0047	ND	0.943	08/07/06	08/08/06	
Toxaphene	EPA 608	6H07081	0.066	0.094	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					67 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					45 %				

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ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: 1PH0206-04 (060802 923 Ash & Channel - Water)					Sampled: 08/02/06				
Reporting Units: ug/l									
Aldrin	EPA 608	6H07081	0.0029	0.0048	ND	0.952	08/07/06	08/08/06	
alpha-BHC	EPA 608	6H07081	0.00095	0.0048	ND	0.952	08/07/06	08/08/06	
beta-BHC	EPA 608	6H07081	0.0029	0.0095	ND	0.952	08/07/06	08/08/06	
delta-BHC	EPA 608	6H07081	0.0029	0.0048	ND	0.952	08/07/06	08/08/06	
gamma-BHC (Lindane)	EPA 608	6H07081	0.0048	0.0095	ND	0.952	08/07/06	08/08/06	
Chlordane	EPA 608	6H07081	0.029	0.095	ND	0.952	08/07/06	08/08/06	
4,4'-DDD	EPA 608	6H07081	0.0019	0.0048	ND	0.952	08/07/06	08/08/06	
4,4'-DDE	EPA 608	6H07081	0.0029	0.0048	ND	0.952	08/07/06	08/08/06	
4,4'-DDT	EPA 608	6H07081	0.0029	0.0095	ND	0.952	08/07/06	08/08/06	
Dieldrin	EPA 608	6H07081	0.00095	0.0048	ND	0.952	08/07/06	08/08/06	
Endosulfan I	EPA 608	6H07081	0.00095	0.0048	ND	0.952	08/07/06	08/08/06	
Endosulfan II	EPA 608	6H07081	0.0019	0.0048	ND	0.952	08/07/06	08/08/06	
Endosulfan sulfate	EPA 608	6H07081	0.0029	0.0095	ND	0.952	08/07/06	08/08/06	
Endrin	EPA 608	6H07081	0.0038	0.0048	ND	0.952	08/07/06	08/08/06	
Endrin aldehyde	EPA 608	6H07081	0.0067	0.0095	ND	0.952	08/07/06	08/08/06	
Endrin ketone	EPA 608	6H07081	0.0029	0.0095	ND	0.952	08/07/06	08/08/06	
Heptachlor	EPA 608	6H07081	0.0029	0.0095	ND	0.952	08/07/06	08/08/06	
Heptachlor epoxide	EPA 608	6H07081	0.0038	0.0048	ND	0.952	08/07/06	08/08/06	
Methoxychlor	EPA 608	6H07081	0.0019	0.0048	ND	0.952	08/07/06	08/08/06	
Toxaphene	EPA 608	6H07081	0.067	0.095	ND	0.952	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					83 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					41 %				

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TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPH0206-01 (060802 917 0+75 Station - Water)					Sampled: 08/02/06				
Reporting Units: ug/l									
Aroclor 1016	EPA 608	6H07081	0.19	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1221	EPA 608	6H07081	0.094	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1232	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1242	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1248	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1254	EPA 608	6H07081	0.24	0.47	ND	0.943	08/07/06	08/08/06	
Aroclor 1260	EPA 608	6H07081	0.38	0.47	ND	0.943	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					73 %				

Sample ID: IPH0206-04 (060802 923 Ash & Channel - Water)

Sampled: 08/02/06

Reporting Units: ug/l									
Aroclor 1016	EPA 608	6H07081	0.19	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1221	EPA 608	6H07081	0.095	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1232	EPA 608	6H07081	0.24	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1242	EPA 608	6H07081	0.24	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1248	EPA 608	6H07081	0.24	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1254	EPA 608	6H07081	0.24	0.48	ND	0.952	08/07/06	08/08/06	
Aroclor 1260	EPA 608	6H07081	0.38	0.48	ND	0.952	08/07/06	08/08/06	
Surrogate: Decachlorobiphenyl (45-120%)					88 %				

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Received: 08/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06											
Blank Analyzed: 08/08/2006 (6H07081-BLK1)											
Aldrin	ND	0.0050	0.0030	ug/l							
alpha-BHC	ND	0.0050	0.0010	ug/l							
beta-BHC	ND	0.010	0.0030	ug/l							
delta-BHC	ND	0.0050	0.0030	ug/l							
gamma-BHC (Lindane)	ND	0.010	0.0050	ug/l							
Chlordane	ND	0.10	0.030	ug/l							
4,4'-DDD	ND	0.0050	0.0020	ug/l							
4,4'-DDE	ND	0.0050	0.0030	ug/l							
4,4'-DDT	ND	0.010	0.0030	ug/l							
Endosulfan I	ND	0.0050	0.0010	ug/l							
Endosulfan II	ND	0.0050	0.0020	ug/l							
Endosulfan sulfate	ND	0.010	0.0030	ug/l							
Endrin	ND	0.0050	0.0040	ug/l							
Endrin aldehyde	ND	0.010	0.0070	ug/l							
Endrin ketone	ND	0.010	0.0030	ug/l							
Heptachlor	ND	0.010	0.0030	ug/l							
Heptachlor epoxide	ND	0.0050	0.0040	ug/l							
Methoxychlor	ND	0.0050	0.0020	ug/l							
Toxaphene	ND	0.10	0.070	ug/l							
Surrogate: Decachlorobiphenyl	0.389			ug/l	0.500		78	45-120			
Surrogate: Tetrachloro-m-xylene	0.333			ug/l	0.500		67	35-115			
LCS Analyzed: 08/09/2006 (6H07081-BS1)											
Aldrin	0.388	0.0050	0.0015	ug/l	0.500		78	35-120			
alpha-BHC	0.378	0.0050	0.0025	ug/l	0.500		76	45-120			
beta-BHC	0.458	0.010	0.0040	ug/l	0.500		92	50-120			
delta-BHC	0.419	0.0050	0.0035	ug/l	0.500		84	50-120			
gamma-BHC (Lindane)	0.392	0.010	0.0030	ug/l	0.500		78	40-120			
4,4'-DDD	0.455	0.0050	0.0020	ug/l	0.500		91	55-120			
4,4'-DDE	0.442	0.0050	0.0030	ug/l	0.500		88	50-120			
4,4'-DDT	0.467	0.010	0.0040	ug/l	0.500		93	55-120			
Dieldrin	0.461	0.0050	0.0020	ug/l	0.500		92	50-120			
Endosulfan I	0.469	0.0050	0.0020	ug/l	0.500		94	50-120			
Endosulfan II	0.490	0.0050	0.0030	ug/l	0.500		98	55-120			
Endosulfan sulfate	0.514	0.010	0.0030	ug/l	0.500		103	60-120			

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ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC %REC	Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06											
LCS Analyzed: 08/09/2006 (6H07081-BS1)											
Endrin	0.474	0.0050	0.0020	ug/l	0.500		95	55-120			
Endrin aldehyde	0.474	0.010	0.0020	ug/l	0.500		95	55-120			
Endrin ketone	0.459	0.010	0.0030	ug/l	0.500		92	55-120			
Heptachlor	0.449	0.010	0.0030	ug/l	0.500		90	40-115			
Heptachlor epoxide	0.462	0.0050	0.0025	ug/l	0.500		92	50-120			
Methoxychlor	0.488	0.0050	0.0035	ug/l	0.500		98	55-120			
Surrogate: Decachlorobiphenyl	0.426			ug/l	0.500		85	45-120			
Surrogate: Tetrachloro-m-xylene	0.346			ug/l	0.500		69	35-115			
Up Analyzed: 08/09/2006 (6H07081-BS1)											
Alaun	0.348	0.0050	0.0015	ug/l	0.500		70	35-120	11	30	
alpha-BHC	0.347	0.0050	0.0025	ug/l	0.500		69	45-120	9	30	
beta-BHC	0.415	0.010	0.0040	ug/l	0.500		83	50-120	10	30	
delta-BHC	0.369	0.0050	0.0035	ug/l	0.500		74	50-120	13	30	
gamma-BHC (Lindane)	0.356	0.010	0.0030	ug/l	0.500		71	40-120	10	30	
4,4'-DDD	0.408	0.0050	0.0020	ug/l	0.500		82	55-120	11	30	
4,4'-DDE	0.395	0.0050	0.0030	ug/l	0.500		79	50-120	11	30	
4,4'-DDT	0.419	0.010	0.0040	ug/l	0.500		84	55-120	11	30	
Dieldrin	0.420	0.0050	0.0020	ug/l	0.500		84	50-120	9	30	
Endosulfan I	0.424	0.0050	0.0020	ug/l	0.500		85	50-120	10	30	
Endosulfan II	0.448	0.0050	0.0030	ug/l	0.500		90	55-120	9	30	
Endosulfan sulfate	0.465	0.010	0.0030	ug/l	0.500		93	60-120	10	30	
Endrin	0.429	0.0050	0.0020	ug/l	0.500		86	55-120	10	30	
Endrin aldehyde	0.432	0.010	0.0020	ug/l	0.500		86	55-120	9	30	
Endrin ketone	0.416	0.010	0.0030	ug/l	0.500		83	55-120	10	30	
Heptachlor	0.415	0.010	0.0030	ug/l	0.500		83	40-115	8	30	
Heptachlor epoxide	0.423	0.0050	0.0025	ug/l	0.500		85	50-120	9	30	
Methoxychlor	0.442	0.0050	0.0035	ug/l	0.500		88	55-120	10	30	
Surrogate: Decachlorobiphenyl	0.396			ug/l	0.500		79	45-120			
Surrogate: Tetrachloro-m-xylene	0.347			ug/l	0.500		69	35-115			

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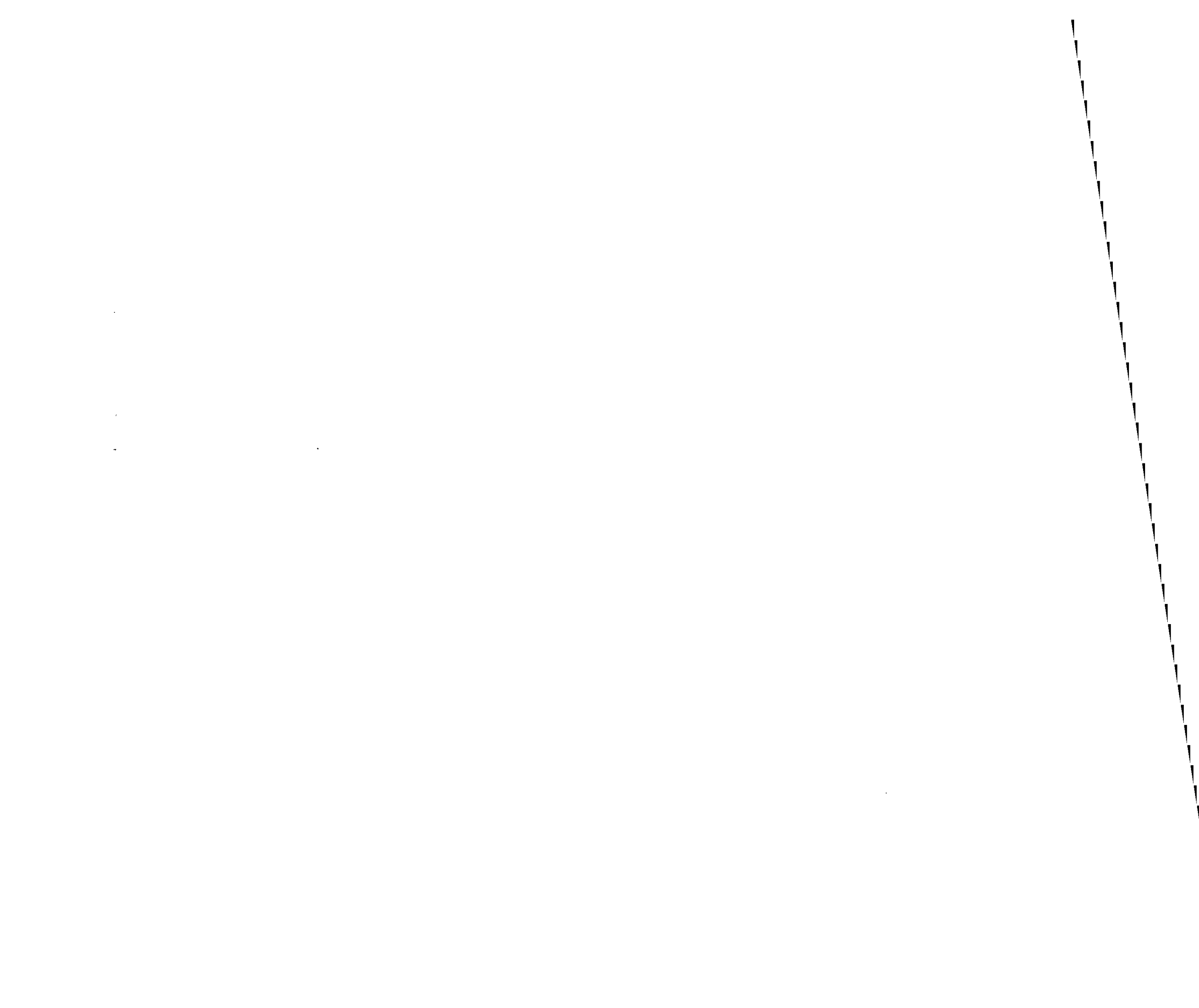
METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06											
Matrix Spike Analyzed: 08/08/2006 (6H07081-MS1)						Source: IPH0110-24					
Aldrin	0.341	0.0050	0.0030	ug/l	0.500	ND	68	35-120			
alpha-BHC	0.343	0.0050	0.0010	ug/l	0.500	ND	69	45-120			
beta-BHC	0.388	0.010	0.0030	ug/l	0.500	ND	78	50-120			
delta-BHC	0.355	0.0050	0.0030	ug/l	0.500	ND	71	50-120			
gamma-BHC (Lindane)	0.353	0.010	0.0050	ug/l	0.500	ND	71	40-120			
4,4'-DDD	0.367	0.0050	0.0020	ug/l	0.500	ND	73	55-125			
4,4'-DDE	0.360	0.0050	0.0030	ug/l	0.500	ND	72	50-120			
4,4'-DDT	0.375	0.010	0.0030	ug/l	0.500	ND	75	55-125			
Dieldrin	0.388	0.0050	0.0010	ug/l	0.500	ND	78	50-120			
Endosulfan I	0.390	0.0050	0.0010	ug/l	0.500	ND	78	50-120			
Endosulfan II	0.395	0.0050	0.0020	ug/l	0.500	ND	79	55-120			
Endosulfan sulfate	0.429	0.010	0.0030	ug/l	0.500	ND	86	55-120			
Endrin	0.401	0.0050	0.0040	ug/l	0.500	ND	80	55-120			
Endrin aldehyde	0.371	0.010	0.0070	ug/l	0.500	ND	74	50-120			
Endrin ketone	0.391	0.010	0.0030	ug/l	0.500	ND	78	55-120			
Heptachlor	0.404	0.010	0.0030	ug/l	0.500	ND	81	40-115			
Heptachlor epoxide	0.406	0.0050	0.0040	ug/l	0.500	ND	81	50-120			
Methoxychlor	0.415	0.0050	0.0020	ug/l	0.500	ND	83	55-125			
Surrogate: Decachlorobiphenyl	0.387			ug/l	0.500		77	45-120			
Surrogate: Tetrachloro-m-xylene	0.293			ug/l	0.500		59	35-115			

Matrix Spike Dup Analyzed: 08/08/2006 (6H07081-MSD1)						Source: IPH0110-24					
Aldrin	0.348	0.0050	0.0030	ug/l	0.500	ND	70	35-120	2	30	
alpha-BHC	0.367	0.0050	0.0010	ug/l	0.500	ND	73	45-120	7	30	
beta-BHC	0.421	0.010	0.0030	ug/l	0.500	ND	84	50-120	8	30	
delta-BHC	0.377	0.0050	0.0030	ug/l	0.500	ND	75	50-120	6	30	
gamma-BHC (Lindane)	0.376	0.010	0.0050	ug/l	0.500	ND	75	40-120	6	30	
4,4'-DDD	0.390	0.0050	0.0020	ug/l	0.500	ND	78	55-125	6	30	
4,4'-DDE	0.369	0.0050	0.0030	ug/l	0.500	ND	74	50-120	2	30	
4,4'-DDT	0.403	0.010	0.0030	ug/l	0.500	ND	81	55-125	7	30	
Dieldrin	0.407	0.0050	0.0010	ug/l	0.500	ND	81	50-120	5	30	
Endosulfan I	0.404	0.0050	0.0010	ug/l	0.500	ND	81	50-120	4	30	
Endosulfan II	0.417	0.0050	0.0020	ug/l	0.500	ND	83	55-120	5	30	
Endosulfan sulfate	0.466	0.010	0.0030	ug/l	0.500	ND	93	55-120	8	30	
Endrin	0.423	0.0050	0.0040	ug/l	0.500	ND	85	55-120	5	30	
Endrin aldehyde	0.377	0.010	0.0070	ug/l	0.500	ND	75	50-120	2	30	

TestAmerica - Irvine, CA
Amy Windham
Project Manager



City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0206

Sampled: 08/01/06-08/02/06
Received: 08/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06											
Matrix Spike Dup Analyzed: 08/08/2006 (6H07081-MSD1)						Source: IPH0110-24					
Endrin ketone	0.413	0.010	0.0030	ug/l	0.500	ND	83	55-120	5	30	
Heptachlor	0.435	0.010	0.0030	ug/l	0.500	ND	87	40-115	7	30	
Heptachlor epoxide	0.425	0.0050	0.0040	ug/l	0.500	ND	85	50-120	5	30	
Methoxychlor	0.450	0.0050	0.0020	ug/l	0.500	ND	90	55-125	8	30	
Surrogate: Decachlorobiphenyl	0.403			ug/l	0.500		81	45-120			
Surrogate: Tetrachloro-m-xylene	0.357			ug/l	0.500		71	35-115			

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Amy Windham
Project Manager

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ANALYTICAL TESTING CORPORATION

17461 Derian Avenue, Suite 100, Irvine, CA 92614 (949) 261-1022 Fax: (949) 260-3297

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0206

Sampled: 08/01/06-08/02/06
Received: 08/02/06

METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H07081 Extracted: 08/07/06										
Blank Analyzed: 08/08/2006 (6H07081-BLK1)										
Aroclor 1016	ND	0.50	0.20	ug/l						
Aroclor 1221	ND	0.50	0.10	ug/l						
Aroclor 1232	ND	0.50	0.25	ug/l						
Aroclor 1242	ND	0.50	0.25	ug/l						
Aroclor 1248	ND	0.50	0.25	ug/l						
Aroclor 1254	ND	0.50	0.25	ug/l						
Aroclor 1260	ND	0.50	0.40	ug/l						
Surrogate: Decachlorobiphenyl	0.404			ug/l	0.500		81	45-120		
LCS Analyzed: 08/08/2006 (6H07081-BS2)										
Aroclor 1016	3.27	0.50	0.20	ug/l	4.00		82	45-115		M-NR1
Aroclor 1260	3.43	0.50	0.40	ug/l	4.00		86	55-115		
Surrogate: Decachlorobiphenyl	0.398			ug/l	0.500		80	45-120		
LCS Dup Analyzed: 08/08/2006 (6H07081-BSD2)										
Aroclor 1016	3.25	0.50	0.20	ug/l	4.00		81	45-115	1	30
Aroclor 1260	3.44	0.50	0.40	ug/l	4.00		86	55-115	0	25
Surrogate: Decachlorobiphenyl	0.413			ug/l	0.500		83	45-120		

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NOON 60038310

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ANALYTICAL TESTING CORPORATION

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City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
Baseline/70038
Report Number: IPH0206

Sampled: 08/01/06-08/02/06
Received: 08/02/06

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6H02156 Extracted: 08/02/06										
LCS Analyzed: 08/02/2006 (6H02156-BS1)										
Orthophosphate - P	1.18	0.050	0.032	mg/l	1.20		98 90-110			
Matrix Spike Analyzed: 08/02/2006 (6H02156-MS1)										
					Source: IPH0206-01					
Orthophosphate - P	0.982	0.050	0.032	mg/l	1.20	0.051	78 75-125			
Matrix Spike Dup Analyzed: 08/02/2006 (6H02156-MSD1)										
					Source: IPH0206-01					
Orthophosphate - P	0.998	0.050	0.032	mg/l	1.20	0.051	79 75-125	2	20	
Batch: 6H04001 Extracted: 08/04/06										
Blank Analyzed: 08/04/2006 (6H04001-BLK1)										
Phosphorus	ND	0.050	0.014	mg/l						
LCS Analyzed: 08/04/2006 (6H04001-BS1)										
Phosphorus	0.938	0.050	0.014	mg/l	1.00		94 80-120			
Matrix Spike Analyzed: 08/04/2006 (6H04001-MS1)										
					Source: IPH0168-01					
Phosphorus	0.673	0.050	0.014	mg/l	1.00	0.029	64 65-130			M2
Matrix Spike Dup Analyzed: 08/04/2006 (6H04001-MSD1)										
					Source: IPH0168-01					
Phosphorus	0.688	0.050	0.014	mg/l	1.00	0.029	66 65-130	2	15	
Batch: 6H08160 Extracted: 08/08/06										
Blank Analyzed: 08/09/2006 (6H08160-BLK1)										
Total Cyanide	ND	0.025	0.017	mg/l						

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6-00078210

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City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

TDS REPORT

Method SM 2540 C.

Sample Location	Log No.	Sample Date	ML	TDS	Unit	Date of Analysis
Trailer Park	061101 910	11/1/2006	10	1274	mg/l	11/3/2006
Elfin Forest Park	061101 911	11/1/2006	10	1259	mg/l	11/3/2006
HG & CC	061101 912	11/1/2006	10	1264	mg/l	11/3/2006
Granite Yard	061101 913	11/1/2006	10	1259	mg/l	11/3/2006
Harmony Grove Bridge	061101 916	11/1/2006	10	1211	mg/l	11/3/2006
0+75 Station	061108 917	11/8/2006	10	1204	mg/l	11/8/2006
ESC @ PW yards	061108 920	11/8/2006	10	1288	mg/l	11/8/2006
Ash @ Channel	061108 923	11/8/2006	10	1247	mg/l	11/8/2006

Quality Control

QA/QC	Log number	Cert.value	TDS	Range	Unit	% Recovery
	QC000114	1300	1423	1020-1580	mg/l	109%
	Blank	0	0		mg/l	

QA/QC	Log number	Cert.value	TDS	Range	Unit	% Recovery
	QC000114	1300	1329	1020-1580	mg/l	102%
	Blank	0	0		mg/l	

Sample Location	Sample ID	Sample Date	ML	TDS	Unit	Date of Analysis
San Elijo Lag. S. Spillway	061101 905	11/1/2006	10	2078	mg/l	11/3/2006
San Elijo Lag. S. Spillway	061101 905	11/1/2006	10	2070	mg/l	11/3/2006
Reidy Cr @ PW Yards	061108 940	11/8/2006	10	1200	mg/l	11/8/2006
Reidy Cr @ PW Yards	061108 940	11/8/2006	10	1253	mg/l	11/8/2006

Van Liptrot

Laboratory Superintendent

60078710



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

ANION REPORT

Instrument : IC DIONEX DX 120

Method EPA 300.0

	Sample Location		San Elijo Lagoon South	San Elijo Lagoon North	La Bajada
	PQL	MDL	061101905	061101906	061101907
Analyte	PQL	MDL	AB01925	AB01926	AB01919
Fluoride	1.00	0.023	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	10.00	0.343			
Sulfate	20.00	0.529	485 mg/l		443 mg/l

	Sample Location		Trailer Park	Elfin Forest Park	Harmony Grove & CC
	PQL	MDL	061101910	061101911	061101912
Analyte	PQL	MDL	AB01920	AB01921	AB01922
Fluoride	1.00	0.023	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	10.00	0.343		248 mg/l	243 mg/l
Sulfate	20.00	0.529	334 mg/l	335 mg/l	331 mg/l

	Sample Location		Granite Yard	HARRF Boundary	0+ 75 Station
	PQL	MDL	061101913	061101916	061102917
Analyte	PQL	MDL	AB01923	AB01924	AB01953
Fluoride	1.00	0.023	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	10.00	0.343	246 mg/l	242 mg/l	247 mg/l
Sulfate	20.00	0.529	327 mg/l	338 mg/l	339 mg/l

	Sample Location		ESC@PW Yard	Ash @Channel	Reidy Cr@PW Yard
	PQL	MDL	061102920	061102923	061102940
Analyte	PQL	MDL	AB01954	AB01955	AB01956
Fluoride	1.00	0.023	< 1.00 mg/l	< 1.00 mg/l	< 1.00 mg/l
Chloride	10.00	0.343		230 mg/l	233 mg/l
Sulfate	20.00	0.529	393 mg/l	356 mg/l	324 mg/l

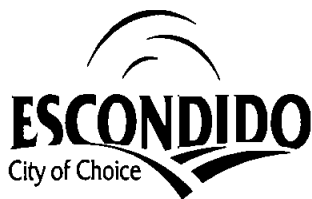
Analyst:

Wendyberry SMC
Va href

Analysis Date: 11/1/06 & 11/02/06

Check by:

Date: 12/18/06



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : IC DIONEX DX1200

Method 300.0

Analysis Date 11/1/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	CCCS %REC	LFM %REC	ECCS %REC
Fluoride	99.3	90.4	93.3	95.4	97.8	95.0
Chloride	98.5	97.5	98.3	98.1	97.3	97.5
Sulfate	99.5	98.0	99.8	99.0	98.8	97.8

Analysis Date 11/2/2006

QA/QC	IPC %REC	MRL %REC	QCS %REC	LFM %REC	ECCS %REC
Fluoride	96.7	99.6	94.8	103.8	99.5
Chloride	98.7	99.0	98.7	97.2	97.5
Sulfate	99.5	98.5	101	98.6	98.5

Duplicate

	Sample Location		Harmony Grove & CC	Harmony Grove & CC	Reidy Cr@PW Yard	Reidy Cr@PW Yard
	PQL	MDL	Log No.			
Analyte						
Fluoride	1.00	0.023	061101912 AB01922	061101912 AB01922	061102940 AB01956	061102940 AB01956
Chloride	10.00	0.343	< 1.0 mg/l 243 mg/l	< 1.0 mg/l 243 mg/l	<1.0 mg/l 233 mg/l	<1.0 mg/l 233 mg/l
Sulfate	20.00	0.529	331 mg/l	329 mg/l	324 mg/l	322 mg/l



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Instrument : Varian ICP-AES Vista Pro

Method EPA 200.7

Sample Type: **Base Line November 2006**

Analysis Date: **11/14/06 & 11/15/06**

Analyte	units	Sample Location			Harmony Grove & CC	HARRF Boundry	0 & 75 Station
		dilution factor	Log No.		061101-912	061101-916	061102-917
			ML	MDL			
Aluminum	µg/L	1	50	2.90	19.6J	336	72.5
Antimony	µg/L	1	10	1.06	1.19J	ND	ND
Arsenic	µg/L	1	10	3.29	ND	ND	ND
Barium	µg/L	1	10	0.014	81.4	69.9	81.1
Beryllium	µg/L	1	2	0.007	ND	ND	ND
Boron	µg/L	1	20	0.406	190	180	180
Cadmium	µg/L	1	2	0.130	0.336J	ND	0.159J
Calcium	mg/L	5	10	0.009	101	84.3	102
Chromium	µg/L	1	2	0.386	1.70J	4.44	2.40
Cobalt	µg/L	1	2	0.442	1.14J	1.53J	1.15J
Copper	µg/L	1	5	0.224	6.33	13.0	9.91
Iron	µg/L	1	50	5.31	49.1J	381	98.7
Lead	µg/L	1	5	1.71	ND	ND	ND
Magnesium	mg/L	5	10	0.002	71.9	67.6	67.8
Manganese	µg/L	1	10	0.145	24.0	20.8	13.8
Molybdenum	µg/L	1	2	0.315	10.4	10.2	9.67
Nickel	µg/L	1	5	0.788	26.6	18.6	18.4
Potassium	mg/L	1	4	0.001	4.04	3.49J	3.24J
Selenium	µg/L	1	10	5.46	5.92J	7.32J	ND
Silver	µg/L	1	2	0.397	0.511J	ND	0.416J
Sodium	mg/L	5	10	0.024	212	206	197
Thallium	µg/L	1	2	1.58	ND	ND	2.40
Vanadium	µg/L	1	2	0.230	19.5	24.1	20.4
Zinc	µg/L	1	10	0.967	11.1	31.0	15.9

ML: Minimum level; lowest acceptable calibration point (ML = ML x dilution factor)

ND: Not detected or less than the ML

J: Reported between ML and MDL

MDL: Method Detection Limit

Analyzed by: Christina Moran, Associate Chemist

First Review: *CM* Second Review: *JB*

Final Review:

Vasana Vipatapat
Vasana Vipatapat,
Laboratory Superintendent



City of Escondido
Water Quality Laboratory
1521 South Hale Avenue
Escondido, CA 92029
Tel (760) 839-6274

Quality Control Report

Instrument : ICP-AES Varian Vista Pro

Analysis Date: **Base Line November 2006**

Method 200.7

Sample Type: **11/14/06 & 11/15/06**

QA/QC	IPC-1 %Rec	LRB (mg/L)	IPC-2 %Rec	IPC-3 %Rec	IPC-4 %Rec	Dil.Test %Rec	Lab Dup %RPD	LFB %Rec	LFM %Rec	SIC %Rec
Method Limits	95-105	ND	90-110	90-110	90-110	90-110	≤ 10	85-115	70-130	90-110
Aluminum	101	ND	99	99	98	100	0.103	99	93	98
Antimony	102	ND	100	99	97	101	0.616	97	97	99
Arsenic	101	ND	101	103	101	100	0.417	93	100	102
Barium	103	ND	102	101	101	107	0.124	100	91	99
Beryllium	103	ND	100	99	97	105	0.144	95	91	99
Boron	101	ND	101	98	95	104	0.372	93	82	96
Cadmium	101	ND	98	98	95	104	0.031	94	88	97
Calcium	101	ND	98	97	95	103	0.160	97	84	100
Chromium	103	ND	100	100	98	106	0.424	98	93	100
Cobalt	104	ND	101	101	99	109	0.154	97	90	100
Copper	101	ND	100	99	98	102	0.242	98	96	98
Iron	103	ND	100	99	98	106	0.162	96	88	97
Lead	102	ND	99	98	98	105	1.070	91	84	96
Magnesium	102	ND	100	100	98	100	0.223	93	77	99
Manganese	100	ND	97	96	95	103	0.189	94	86	96
Molybdenum	103	ND	99	101	99	104	0.108	101	94	100
Nickel	102	ND	100	98	97	105	0.910	93	85	97
Potassium	99	ND	99	99	NR	NR	0.683	99	95	102
Selenium	98	ND	99	97	NR	NR	3.239	93	91	108
Silver	103	ND	99	98	96	104	0.012	97	95	100
Sodium	100	ND	100	98	98	96	0.211	100	87	103
Thallium	100	ND	99	96	95	106	0.125	87	79	91
Vanadium	100	ND	98	97	96	96	0.056	99	95	101
Zinc	104	ND	101	101	99	104	0.192	95	91	100

Notation: IPC - Instrument Performance Check
LRB - Laboratory Reagent Blank
LFB - Lab Fortified Blank
LFM - Laboratory Fortified Matrix
NR - Not Required
Dil.Test - Dilution Test

SIC - Spectral Interference Check
%Rec - Recovery Percent
ND - Not detected (less than 2.2 x MDL or 10% of
sample concentration, which ever is greater)
%RPD - Relative Percent Difference

Analyzed by: Christina Moran, Associate Chemist *JB*

Reviewed by: Vasana Vipatapat, Laboratory Superintendent *V.V.*

TestAmerica

ANALYTICAL TESTING CORPORATION

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

TOTAL PCBS (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPK0259-04 (AB01922-912 - Water)									
Reporting Units: ug/l									
Aroclor 1016	EPA 608	6K03077	0.19	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1221	EPA 608	6K03077	0.094	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1232	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1242	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1248	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1254	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1260	EPA 608	6K03077	0.38	0.47	ND	0.943	11/03/06	11/04/06	
Surrogate: Decachlorobiphenyl (45-120%)					58 %				

Sample ID: IPK0259-06 (AB01924-916 - Water)

Reporting Units: ug/l									
Aroclor 1016	EPA 608	6K03077	0.19	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1221	EPA 608	6K03077	0.094	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1232	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1242	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1248	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1254	EPA 608	6K03077	0.24	0.47	ND	0.943	11/03/06	11/04/06	
Aroclor 1260	EPA 608	6K03077	0.38	0.47	ND	0.943	11/03/06	11/04/06	
Surrogate: Decachlorobiphenyl (45-120%)					61 %				

TestAmerica - Irvine, CA
Amy Windham
Project Manager

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ANALYTICAL TESTING CORPORATION

City of Escondido
1521 S Hale Ave.
Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

INORGANICS

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPK0259-01 (AB01919-907 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.085	1	11/04/06	11/04/06	
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.066	1	11/02/06	11/02/06	J
Sample ID: IPK0259-02 (AB01920-910 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.041	1	11/04/06	11/04/06	J
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.054	1	11/02/06	11/02/06	J
Sample ID: IPK0259-03 (AB01921-911 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.042	1	11/04/06	11/04/06	J
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.081	1	11/02/06	11/02/06	J
Sample ID: IPK0259-04 (AB01922-912 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.057	1	11/04/06	11/04/06	
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.066	1	11/02/06	11/02/06	J
Sample ID: IPK0259-05 (AB01923-913 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.047	1	11/04/06	11/04/06	J
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.055	1	11/02/06	11/02/06	J
Sample ID: IPK0259-06 (AB01924-916 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.043	1	11/04/06	11/04/06	J
Surfactants (MBAS)	SM5540-C	6K02151	0.044	0.10	0.082	1	11/02/06	11/02/06	J
Sample ID: IPK0259-07 (AB01925-905 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	0.13	1	11/04/06	11/04/06	
Sample ID: IPK0259-08 (AB01926-906 - Water)									
Reporting Units: mg/l									
Phosphorus	EPA 365.3	6K04045	0.014	0.050	1.0	1	11/04/06	11/04/06	

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ANALYTICAL TESTING CORPORATION

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Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6K03077 Extracted: 11/03/06											
Blank Analyzed: 11/03/2006 (6K03077-BLK1)											
Aldrin	ND	0.0050	0.0015	ug/l							
alpha-BHC	ND	0.0050	0.0025	ug/l							
beta-BHC	ND	0.010	0.0040	ug/l							
delta-BHC	ND	0.0050	0.0035	ug/l							
gamma-BHC (Lindane)	ND	0.010	0.0030	ug/l							
Chlordane	ND	0.10	0.030	ug/l							
4,4'-DDD	ND	0.0050	0.0020	ug/l							
4,4'-DDE	ND	0.0050	0.0030	ug/l							
4,4'-DDT	ND	0.010	0.0040	ug/l							
Endosulfan I	ND	0.0050	0.0020	ug/l							
Endosulfan II	ND	0.0050	0.0030	ug/l							
Endosulfan sulfate	ND	0.010	0.0030	ug/l							
Endrin	ND	0.0050	0.0020	ug/l							
Endrin aldehyde	ND	0.010	0.0020	ug/l							
Endrin ketone	ND	0.010	0.0030	ug/l							
Heptachlor	ND	0.010	0.0030	ug/l							
Heptachlor epoxide	ND	0.0050	0.0025	ug/l							
Methoxychlor	ND	0.0050	0.0035	ug/l							
Toxaphene	ND	0.10	0.070	ug/l							
Surrogate: Decachlorobiphenyl	0.339			ug/l	0.500		68	45-120			
Surrogate: Tetrachloro-m-xylene	0.259			ug/l	0.500		52	35-115			
LCS Analyzed: 11/03/2006 (6K03077-BS1)											
Aldrin	0.263	0.0050	0.0015	ug/l	0.500		53	35-120			
alpha-BHC	0.259	0.0050	0.0025	ug/l	0.500		52	45-120			
beta-BHC	0.280	0.010	0.0040	ug/l	0.500		56	50-120			
delta-BHC	0.276	0.0050	0.0035	ug/l	0.500		55	50-120			
gamma-BHC (Lindane)	0.265	0.010	0.0030	ug/l	0.500		53	40-120			
4,4'-DDD	0.313	0.0050	0.0020	ug/l	0.500		63	55-120			
4,4'-DDE	0.271	0.0050	0.0030	ug/l	0.500		54	50-120			
4,4'-DDT	0.307	0.010	0.0040	ug/l	0.500		61	55-120			
Dieldrin	0.302	0.0050	0.0020	ug/l	0.500		60	50-120			
Endosulfan I	0.293	0.0050	0.0020	ug/l	0.500		59	50-120			
Endosulfan II	0.312	0.0050	0.0030	ug/l	0.500		62	55-120			
Endosulfan sulfate	0.308	0.010	0.0030	ug/l	0.500		62	60-120			

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Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6K03077 Extracted: 11/03/06											
LCS Analyzed: 11/03/2006 (6K03077-BS1)											
Endrin	0.305	0.0050	0.0020	ug/l	0.500		61	55-120			
Endrin aldehyde	0.282	0.010	0.0020	ug/l	0.500		56	55-120			
Endrin ketone	0.340	0.010	0.0030	ug/l	0.500		68	55-120			
Heptachlor	0.257	0.010	0.0030	ug/l	0.500		51	40-115			
Heptachlor epoxide	0.294	0.0050	0.0025	ug/l	0.500		59	50-120			
Methoxychlor	0.304	0.0050	0.0035	ug/l	0.500		61	55-120			
Surrogate: Decachlorobiphenyl	0.291			ug/l	0.500		58	45-120			
Surrogate: Tetrachloro-m-xylene	0.221			ug/l	0.500		44	35-115			
Spike Analyzed: 11/03/2006 (6K03077-MS1) Source: IPK0072-01											
Alann	0.148	0.0047	0.0014	ug/l	0.472	ND	31	35-120			M2
alpha-BHC	0.158	0.0047	0.0024	ug/l	0.472	ND	33	45-120			M2
beta-BHC	0.190	0.0094	0.0038	ug/l	0.472	ND	40	50-120			M2
delta-BHC	0.199	0.0047	0.0033	ug/l	0.472	ND	42	50-120			M2
gamma-BHC (Lindane)	0.182	0.0094	0.0028	ug/l	0.472	ND	39	40-120			M2
4,4'-DDD	0.160	0.0047	0.0019	ug/l	0.472	ND	34	55-125			M2
4,4'-DDE	0.170	0.0047	0.0028	ug/l	0.472	ND	36	50-120			M2
4,4'-DDT	0.180	0.0094	0.0038	ug/l	0.472	ND	38	55-125			M2
Dieldrin	0.210	0.0047	0.0019	ug/l	0.472	ND	44	50-120			M2
Endosulfan I	0.202	0.0047	0.0019	ug/l	0.472	ND	43	50-120			M2
Endosulfan II	0.212	0.0047	0.0028	ug/l	0.472	ND	45	55-120			M2
Endosulfan sulfate	0.253	0.0094	0.0028	ug/l	0.472	ND	54	55-120			M2
Endrin	0.208	0.0047	0.0019	ug/l	0.472	ND	44	55-120			M2
Endrin aldehyde	0.190	0.0094	0.0019	ug/l	0.472	ND	40	50-120			M2
Endrin ketone	0.287	0.0094	0.0028	ug/l	0.472	ND	61	55-120			
Heptachlor	0.185	0.0094	0.0028	ug/l	0.472	ND	39	40-115			M2
Heptachlor epoxide	0.205	0.0047	0.0024	ug/l	0.472	ND	43	50-120			M2
Methoxychlor	0.269	0.0047	0.0033	ug/l	0.472	ND	57	55-125			
Surrogate: Decachlorobiphenyl	0.235			ug/l	0.472		50	45-120			
Surrogate: Tetrachloro-m-xylene	0.105			ug/l	0.472		22	35-115			Z

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NOON 11/02/06

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Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

METHOD BLANK/QC DATA

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6K03077 Extracted: 11/03/06											
Matrix Spike Dup Analyzed: 11/03/2006 (6K03077-MSD1)						Source: IPK0072-01					
Aldrin	0.160	0.0047	0.0014	ug/l	0.472	ND	34	35-120	8	30	M2
alpha-BHC	0.197	0.0047	0.0024	ug/l	0.472	ND	42	45-120	22	30	M2
beta-BHC	0.205	0.0094	0.0038	ug/l	0.472	ND	43	50-120	8	30	M2
delta-BHC	0.221	0.0047	0.0033	ug/l	0.472	ND	47	50-120	10	30	M2
gamma-BHC (Lindane)	0.228	0.0094	0.0028	ug/l	0.472	ND	48	40-120	22	30	
4,4'-DDD	0.207	0.0047	0.0019	ug/l	0.472	ND	44	55-125	26	30	M2
4,4'-DDE	0.204	0.0047	0.0028	ug/l	0.472	ND	43	50-120	18	30	M2
4,4'-DDT	0.216	0.0094	0.0038	ug/l	0.472	ND	46	55-125	18	30	M2
Dieldrin	0.265	0.0047	0.0019	ug/l	0.472	ND	56	50-120	23	30	
Endosulfan I	0.208	0.0047	0.0019	ug/l	0.472	ND	44	50-120	3	30	M2
Endosulfan II	0.297	0.0047	0.0028	ug/l	0.472	ND	63	55-120	33	30	R-3
Endosulfan sulfate	0.304	0.0094	0.0028	ug/l	0.472	ND	64	55-120	18	30	
Endrin	0.231	0.0047	0.0019	ug/l	0.472	ND	49	55-120	10	30	M2
Endrin aldehyde	0.201	0.0094	0.0019	ug/l	0.472	ND	43	50-120	6	30	M2
Endrin ketone	0.350	0.0094	0.0028	ug/l	0.472	ND	74	55-120	20	30	
Heptachlor	0.237	0.0094	0.0028	ug/l	0.472	ND	50	40-115	25	30	
Heptachlor epoxide	0.210	0.0047	0.0024	ug/l	0.472	ND	44	50-120	2	30	M2
Methoxychlor	0.270	0.0047	0.0033	ug/l	0.472	ND	57	55-125	0	30	
Surrogate: Decachlorobiphenyl	0.302			ug/l	0.472		64	45-120			
Surrogate: Tetrachloro-m-xylene	0.185			ug/l	0.472		39	35-115			

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Escondido, CA 92029
Attention: Vasana Vipatapat

Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

METHOD BLANK/QC DATA

TOTAL PCBS (EPA 608)

Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
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Batch: 6K03077 Extracted: 11/03/06

Blank Analyzed: 11/03/2006 (6K03077-BLK1)

Aroclor 1016	ND	0.50	0.20	ug/l							
Aroclor 1221	ND	0.50	0.10	ug/l							
Aroclor 1232	ND	0.50	0.25	ug/l							
Aroclor 1242	ND	0.50	0.25	ug/l							
Aroclor 1248	ND	0.50	0.25	ug/l							
Aroclor 1254	ND	0.50	0.25	ug/l							
Aroclor 1260	ND	0.50	0.40	ug/l							
Surrogate: Decachlorobiphenyl	0.334			ug/l	0.500		67	45-120			

Analyzed: 11/03/2006 (6K03077-BS2)

Aroclor 1016	2.79	0.50	0.20	ug/l	4.00		70	45-115			
Aroclor 1260	3.26	0.50	0.40	ug/l	4.00		82	55-115			
Surrogate: Decachlorobiphenyl	0.334			ug/l	0.500		67	45-120			

Matrix Spike Analyzed: 11/03/2006 (6K03077-MS2)

Source: IPK0072-01

Aroclor 1016	2.62	0.47	0.19	ug/l	3.77	ND	69	45-115			
Aroclor 1260	2.37	0.47	0.38	ug/l	3.77	ND	63	55-115			
Surrogate: Decachlorobiphenyl	0.233			ug/l	0.472		49	45-120			

Matrix Spike Dup Analyzed: 11/03/2006 (6K03077-MSD2)

Source: IPK0072-01

Aroclor 1016	2.94	0.47	0.19	ug/l	3.77	ND	78	45-115	12	30	
Aroclor 1260	2.28	0.47	0.38	ug/l	3.77	ND	60	55-115	4	25	
Surrogate: Decachlorobiphenyl	0.230			ug/l	0.472		49	45-120			

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Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

METHOD BLANK/QC DATA

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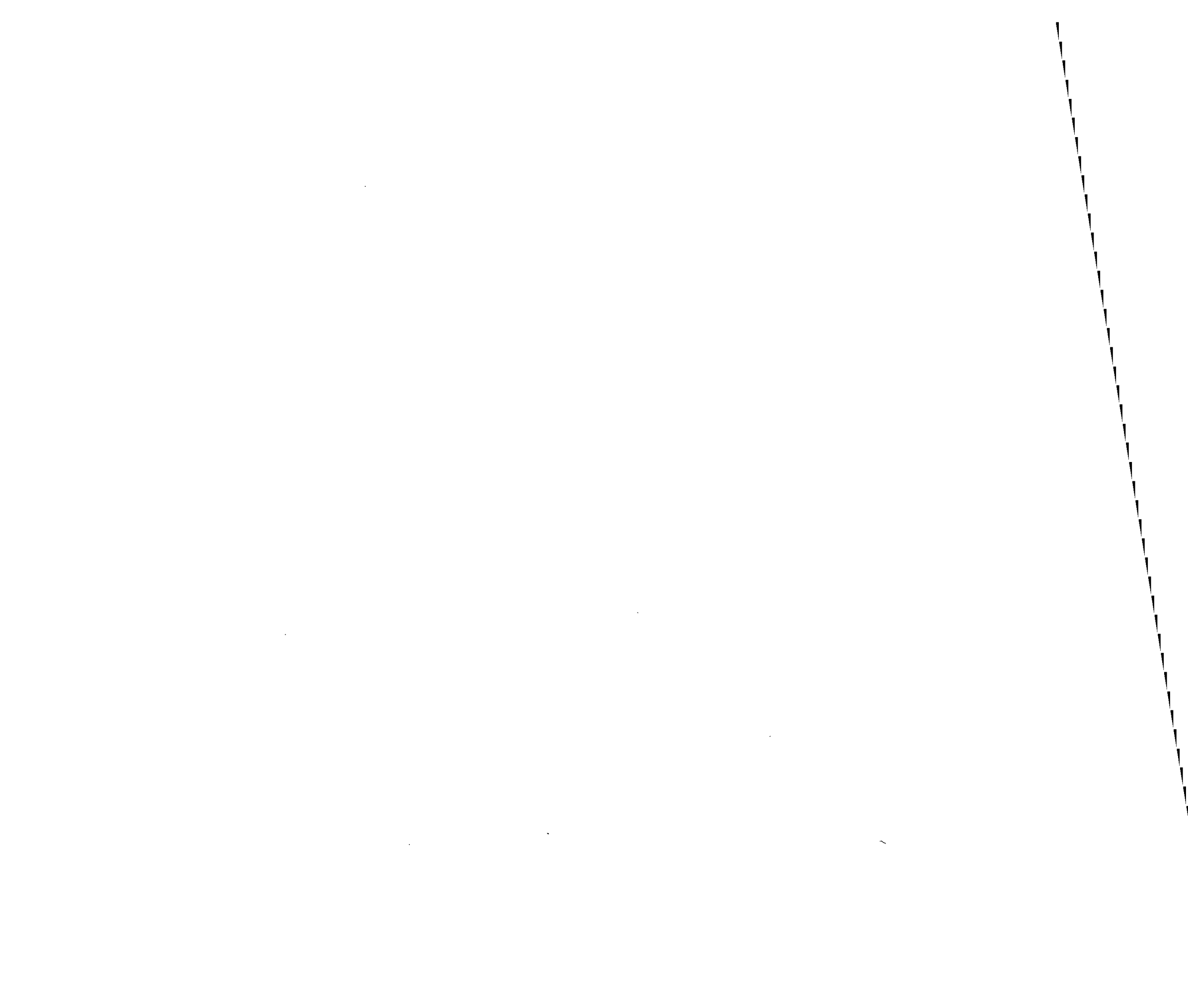
Analyte	Result	Reporting Limit	MDL	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 6K02151 Extracted: 11/02/06										
Blank Analyzed: 11/02/2006 (6K02151-BLK1)										
Surfactants (MBAS)	ND	0.10	0.044	mg/l						
LCS Analyzed: 11/02/2006 (6K02151-BS1)										
Surfactants (MBAS)	0.254	0.10	0.044	mg/l	0.250		102 90-110			
Matrix Spike Analyzed: 11/02/2006 (6K02151-MS1) Source: IPK0259-06										
Surfactants (MBAS)	0.297	0.10	0.044	mg/l	0.250	0.082	86 50-125			
Matrix Spike Dup Analyzed: 11/02/2006 (6K02151-MSD1) Source: IPK0259-06										
Surfactants (MBAS)	0.304	0.10	0.044	mg/l	0.250	0.082	89 50-125	2	20	
Batch: 6K04045 Extracted: 11/04/06										
Blank Analyzed: 11/04/2006 (6K04045-BLK1)										
Phosphorus	ND	0.050	0.014	mg/l						
LCS Analyzed: 11/04/2006 (6K04045-BS1)										
Phosphorus	0.972	0.050	0.014	mg/l	1.00		97 80-120			
Matrix Spike Analyzed: 11/04/2006 (6K04045-MS1) Source: IPK0257-01										
Phosphorus	1.05	0.050	0.014	mg/l	1.00	0.019	103 65-130			
Matrix Spike Dup Analyzed: 11/04/2006 (6K04045-MSD1) Source: IPK0257-01										
Phosphorus	1.04	0.050	0.014	mg/l	1.00	0.019	102 65-130	1	15	

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Project ID: Wastewater
70038 BASELINE MONITORING
Report Number: IPK0259

Sampled: 11/01/06
Received: 11/02/06

ORGANOCHLORINE PESTICIDES (EPA 608)

Analyte	Method	Batch	MDL Limit	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: IPK0259-04 (AB01922-912 - Water) - cont.									
Reporting Units: ug/l									
Aldrin	EPA 608	6K03077	0.0028	0.0047	ND	0.943	11/03/06	11/03/06	
alpha-BHC	EPA 608	6K03077	0.00094	0.0047	ND	0.943	11/03/06	11/03/06	
beta-BHC	EPA 608	6K03077	0.0028	0.0094	ND	0.943	11/03/06	11/03/06	
delta-BHC	EPA 608	6K03077	0.0028	0.0047	ND	0.943	11/03/06	11/03/06	
gamma-BHC (Lindane)	EPA 608	6K03077	0.0047	0.0094	ND	0.943	11/03/06	11/03/06	
Chlordane	EPA 608	6K03077	0.028	0.094	ND	0.943	11/03/06	11/03/06	
4,4'-DDD	EPA 608	6K03077	0.0019	0.0047	ND	0.943	11/03/06	11/03/06	
4,4'-DDE	EPA 608	6K03077	0.0028	0.0047	ND	0.943	11/03/06	11/03/06	
4,4'-DDT	EPA 608	6K03077	0.0028	0.0094	ND	0.943	11/03/06	11/03/06	
Dieldrin	EPA 608	6K03077	0.00094	0.0047	ND	0.943	11/03/06	11/03/06	
Endosulfan I	EPA 608	6K03077	0.00094	0.0047	ND	0.943	11/03/06	11/03/06	
Endosulfan II	EPA 608	6K03077	0.0019	0.0047	ND	0.943	11/03/06	11/03/06	
Endosulfan sulfate	EPA 608	6K03077	0.0028	0.0094	ND	0.943	11/03/06	11/03/06	
Endrin	EPA 608	6K03077	0.0038	0.0047	ND	0.943	11/03/06	11/03/06	
Endrin aldehyde	EPA 608	6K03077	0.0066	0.0094	ND	0.943	11/03/06	11/03/06	
Endrin ketone	EPA 608	6K03077	0.0028	0.0094	ND	0.943	11/03/06	11/03/06	
Heptachlor	EPA 608	6K03077	0.0028	0.0094	ND	0.943	11/03/06	11/03/06	
Heptachlor epoxide	EPA 608	6K03077	0.0038	0.0047	ND	0.943	11/03/06	11/03/06	
Methoxychlor	EPA 608	6K03077	0.0019	0.0047	ND	0.943	11/03/06	11/03/06	
Toxaphene	EPA 608	6K03077	0.066	0.094	ND	0.943	11/03/06	11/03/06	
Surrogate: Decachlorobiphenyl (45-120%)					47 %				
Surrogate: Tetrachloro-m-xylene (35-115%)					35 %				

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NOON OF 10

Log # Stormwater Sample Locations

- 901 San Elijo Lagoon @ the Surf @ the mouth of the Lagoon in the Ocean
- 902 San Elijo Lagoon @ the Surf @ 500 feet South of the mouth of the lagoon in the ocean
- 903 San Elijo Lagoon @ the Surf @ 500 feet North of the mouth of the lagoon in the ocean
- 904 San Elijo Lagoon @ the mouth on the West side of highway 101 Under the Bridge
- 905 San Elijo Lagoon @ the South Spillway
- 906 San Elijo Lagoon @ the North Spillway
- ✓907 Escondido Creek @ just upstream of the La Bajada Bridge
- 908 Escondido Creek @ the Downside of Culvert at Camino Del Norte
- 909 Escondido Creek @ Vista Canyon Drive
- ✓910 Escondido Creek @ Elfin Forest Trailer Park at the inlet side of Bridge
- ✓911 Escondido Creek @ Elfin Forest Recreation Park at the Inlet side of Foot Bridge
- ✓912 Escondido Creek @ Country Club Drive and Harmony Grove Road upstream side of Bridge
- ✓913 Escondido Creek @ the Granite Yard upstream of Bridge
- 914 Hale Avenue RRF Flood Control Channel @ South side of Pant and upstream of Live stream Discharge Point
- ✓916 Escondido Creek @ the Downstream side of Harmony Grove Road Bridge
- ✓917 Escondido Creek @ 450 yards upstream of Harmony Grove Bridge (Station 0+75)
- 918 Indian Wells Creek (Just upstream of Station 0+75)
- 919 Escondido Creek @ 550 yards upstream of the Harmony Grove Road Bridge (Just upstream of Indian Wells)
- ✓920 Escondido Creek @ The Publics Work yard (Just downstream of the Railroad Bridge)
- 921 Escondido Creek @ the Downstream side of the City Hall Walkway @ Grape Day Park
- 922 Escondido Creek @ the Downstream side of Juniper Street
- ✓923 Escondido Creek @ the Downstream side of Ash Street
- 924 Escondido Creek @ the Downstream side of Rose Street
- 925 Escondido Creek @ the Downstream side of Midway Drive
- 926 Escondido Creek @ the Downstream side of Citrus Avenue
- 927 Escondido Creek @ the Downstream side of Washington Avenue
- 928 Escondido Creek @ the Lake Wohlford Silt Basin

- 930 Location 100 Feet above the spill level entrance to Escondido Creek
- 931 Location 100 Feet Below the spill level entrance to Escondido Creek
- 932 Location 500 Feet Below the spill level entrance to Escondido Creek

- 940 Reidy Creek @ the Public Works Yard (Just downstream of the Railroad Bridge)
- 941 Reidy Creek @ the Downstream side of Washington Avenue at Quince Street
- 942 Reidy Creek @ the Downstream side of Mission Avenue
- 943 Reidy Creek @ Victory Garden
- 944 Reidy Creek @ Just West of Escondido High School
- 945 Reidy Creek @ North Broadway Downstream of Bridge
- 946 Reidy Creek @ Rincon Avenue at the Bridge

- QA/QC duplicates/spikes/etc
- according to 40 CFR 136 methods

- 950 Location 100 Feet Above Spill Entrance to Reidy Creek
- 951 Location 100 Feet Below Spill Entrance to Reidy Creek
- 952 Location 500 Feet Below Spill Entrance to Reidy Creek

- 960 Creek through Kit Carson Park @ South Sunset Boulevard at Lift Station No. 1
- 961 Creek Through Kit Carson Park @ Kit Carson Park Exit from Park to Box Culvert under North County Fair Mall
- 962 Creek through Kit Carson Park @ South Side of Las Palmas Bridge
- 963 Creek through Kit Carson Park @ South Escondido Boulevard at Lift Station No. 3 at outlet of the culvert

- 964 Location 100 Feet Above the Spill Entrance to the Creek through Kit Carson Park
- 965 Location 100 Feet Below the Spill Entrance to the Creek through Kit Carson Park
- 966 Location 500 Feet Below the Spill Entrance to the Creek through Kit Carson Park

- 970 San Marcos Creek @ Discovery Way (Lake San Marcos Entrance)
- 971 San Marcos Creek @ Echo Lane
- 972 San Marcos Creek @ Valpreda Road
- 973 San Marcos Creek @ Woodland parkway (at Albertson's Store)
- 974 San Marcos Creek @ the trailer park
- 975 San Marcos Creek @ Country Club Lane

- 980 Location 100 feet above Spill entrance to San Marcos Creek
- 981 Location 100 feet below spill entrance to San Marcos Creek
- 982 Location 500 feet below Spill Entrance to San Marcos Creek

- 991 Public Works Yard- Storm Water Runoff
- 992 HARRF- Storm Water Runoff

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 940										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:40 a.m.	Flowing	315	353	234	3.3	72	95	532	Not Done
5/25/1999	1:15 p.m.	Flowing	293	352	233	3.8	93	95	618	234
8/10/1999	11:15 a.m.	Flowing	278	343	224	2.9	89	69	537	214
10/6/1999	8:45 a.m.	Flowing	218	293	177	4.1	75	100	560	Not Done
11/2/1999	12:30 p.m.	Flowing	284	368	222	4.9	87	70	532	Not Done
2/9/2000	1:30 p.m.	Flowing	306	373	229	3.6	96	66	559	178
5/9/2000	10:50 a.m.	0.53	302	373	208	3.3	80	90	554	279
5/24/2000	2:55 p.m.	Flowing	291	373	221	2.6	102	120	720	327
7/24/2000	10:30 a.m.	0.17	276	364	199	2.3	72	60	447	231
8/22/2000	12:00 p.m.	Flowing	286	354	219	3.6	87	88	577	166
11/16/2000	8:30 a.m.	0.25	295	399	216	3.4	103	136	764	336
2/8/2001	2:20 p.m.	Flowing	248	293	183	3.1	75	99	556	252
5/8/2001	1:05 p.m.	Flowing	350	372	223	3.8	89	99	614	244
8/8/2001	8:30 a.m.	Flowing	291	378	208	3.2	82	108	609	312
11/7/2001	2:45 p.m.	0.48	315	368	223	2.5	94	118	680	247
2/5/2002	9:34 a.m.	Flowing	308	379	219	2.2	91	131	703	323
5/14/2002	2:40 p.m.	0.42	309	408	223	2.1	101	137	758	324
8/7/2002	2:15 p.m.	0.08	309	402	237	2.4	97	78	596	211
11/5/2002	8:16 a.m.	0.18	336	383	225	2.8	96	132	724	352
2/3/2003	12:00 p.m.	0.35	296	347	220	2.9	96	113	676	309
5/14/2003	12:00 p.m.	0.37	323	408	229	2.7	97	127	717	315
Ave. All		0.31	297	366	218	3.1	89	102	621	264
Winter		Flowing	294	350	216	3.0	84	98	588	251
Spring		0.48	309	376	222	3.1	93	108	653	282
Summer		0.13	288	368	217	2.9	85	81	553	227
Fall		0.30	290	362	213	3.5	91	111	652	312
Season Ave		0.30	295	364	217	3.1	88	99	611	268

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 940										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:40 a.m.	Flowing	0.02	0.02	Na	Na	1360	Not Done	Not Done	1.1
5/25/1999	1:15 p.m.	Flowing	Not Done	0.20	Na	Na	1300	Not Done	Not Done	0.1
8/10/1999	11:15 a.m.	Flowing	0.10	0.02	Na	Na	1248	Not Done	Not Done	0.1
10/6/1999	8:45 a.m.	Flowing	Not Done	Not Done	Na	Na	1268	264	1004	0.1
11/2/1999	12:30 p.m.	Flowing	0.09	0.02	Na	Na	1316	224	1092	0.1
2/9/2000	1:30 p.m.	Flowing	0.10	0.02	Na	Na	1352	276	1076	0.1
5/9/2000	10:50 a.m.	0.53	0.10	0.02	0.1	5.1	1376	196	1180	1.1
5/24/2000	2:55 p.m.	Flowing	0.06	0.08	Na	Na	1432	204	1228	1.0
7/24/2000	10:30 a.m.	0.17	Na	Na	Na	Na	1285	Not Done	Not Done	4.0
8/22/2000	12:00 p.m.	Flowing	1.20	0.02	Na	1.5	1295	208	1087	0.5
11/16/2000	8:30 a.m.	0.25	0.05	0.02	0.1	1.6	1415	175	1240	2.0
2/8/2001	2:20 p.m.	Flowing	0.06	0.02	Na	5.0	1155	145	1010	1.9
5/8/2001	1:05 p.m.	Flowing	0.04	0.02	Na	5.3	1548	305	1243	2.4
8/8/2001	8:30 a.m.	Flowing	0.06	0.02	Na	5.0	1320	210	1110	0.6
11/7/2001	2:45 p.m.	0.48	0.10	0.02	Na	1.7	1392	165	1227	2.4
2/5/2002	9:34 a.m.	Flowing	0.05	0.02	Na	1.6	1425	190	1235	2.3
5/14/2002	2:40 p.m.	0.42	0.12	0.08	0.1	4.3	1575	286	1289	0.6
8/7/2002	2:15 p.m.	0.08	0.17	0.02	0.1	3.2	1325	170	1155	0.6
11/5/2002	8:16 a.m.	0.18	0.05	0.03	0.1	2.4	1415	240	1175	0.7
2/3/2003	12:00 p.m.	0.35	0.02	0.04	0.1	2.7	1092	150	942	1.0
5/14/2003	12:00 p.m.	0.37	0.06	0.02	0.1	3.4	1596	384	1212	0.7
Ave. All		0.31	0.14	0.04	0.1	3.3	1357	223	1147	1.1
Winter		Flowing	0.06	0.02	Na	3.3	1323	204	1107	1.4
Spring		0.48	0.08	0.08	0.1	4.9	1446	248	1235	1.0
Summer		0.13	0.38	0.02	0.1	3.2	1295	196	1117	1.1
Fall		0.30	0.07	0.02	0.1	1.9	1361	214	1148	1.1
Season Ave		0.30	0.15	0.04	0.1	3.3	1356	215	1152	1.1

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Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Enter. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 940										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:40 a.m.	Flowing	20	< 20	1960	1.0	4.5	0.04	0.2	0.94
5/25/1999	1:15 p.m.	Flowing	52	173	2010	0.8	4.3	< 0.25	< 0.3	0.49
8/10/1999	11:15 a.m.	Flowing	2987	< 40	2160	3.4	3.8	0.11	0.4	1.10
10/6/1999	8:45 a.m.	Flowing	1500	2755	1892	11.9	5.3	Not Done	Not Done	Not Done
11/2/1999	12:30 p.m.	Flowing	609	278	2180	7.7	6.3	0.08	0.1	1.00
2/9/2000	1:30 p.m.	Flowing	74	< 40	1942	2.7	6.5	0.06	0.3	1.00
5/9/2000	10:50 a.m.	0.53	145	< 40	2030	1.7	4.1	0.03	J 0.1	0.66
5/24/2000	2:55 p.m.	Flowing	155	204	2090	3.1	6.1	0.06	< 0.3	0.61
7/24/2000	10:30 a.m.	0.17	1620	65	1887	9.1	6.4	Na	< 0.3	Na
8/22/2000	12:00 p.m.	Flowing	350	< 40	1855	2.8	6.6	0.09	0.4	0.95
11/16/2000	8:30 a.m.	0.25	243	143	2140	1.3	6.8	0.04	0.2	0.43
2/8/2001	2:20 p.m.	Flowing	3060	545	1792	1.6	3.8	0.04	0.1	0.71
5/8/2001	1:05 p.m.	Flowing	145	10	2110	1.4	4.3	0.06	J 0.2	0.91
8/8/2001	8:30 a.m.	Flowing	933	2382	2010	9.4	4.8	0.04	J 0.2	1.00
11/7/2001	2:45 p.m.	0.48	496	472	2130	2.4	5.6	0.03	0.3	1.10
2/5/2002	9:34 a.m.	Flowing	2481	309	2170	2.2	5.6	0.07	< 0.2	0.59
5/14/2002	2:40 p.m.	0.42	413	216	2210	2.3	3.2	J 0.01	J 0.2	0.51
8/7/2002	2:15 p.m.	0.08	1211	86	2010	13.9	8.4	0.09	0.3	0.79
11/5/2002	8:16 a.m.	0.18	171	243	2160	1.4	6.6	0.02	0.3	0.51
2/3/2003	12:00 p.m.	0.35	132	164	2150	0.9	5.6	0.03	< 0.3	0.94
5/14/2003	12:00 p.m.	0.37	134	97	2200	2.2	5.3	0.04	< 0.2	< 0.20
Ave. All		0.31	806	< 396	2052	4.0	5.4	< 0.06	< 0.2	0.76
Winter		Flowing	1409	< 229	1966	1.9	5.1	0.05	< 0.2	0.81
Spring		0.48	182	< 129	2090	1.9	4.4	< 0.08	< 0.2	0.64
Summer		0.13	1420	< 523	1984	7.7	6.0	0.08	< 0.3	0.96
Fall		0.30	604	778	2100	4.9	6.1	0.04	0.2	0.76
Season Ave		0.30	904	< 414	2035	4.1	5.4	< 0.06	< 0.2	0.79

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 940										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:40 a.m.	Flowing	20.0	8.7	12.4	5.2	Not Done	12.0	134.6%	496
5/25/1999	1:15 p.m.	Flowing	29.6	8.8	9.6	4.4	140	> 20.0	> 200.0%	4880
8/10/1999	11:15 a.m.	Flowing	21.9	8.8	22.0	10.0	128	11.2	145.3%	241900
10/6/1999	8:45 a.m.	Flowing	18.2	8.2	32.8	9.6	Not Done	4.3	45.3%	129970
11/2/1999	12:30 p.m.	Flowing	26.0	8.9	57.4	12.8	Not Done	13.1	164.0%	15530
2/9/2000	1:30 p.m.	Flowing	22.1	9.4	11.8	6.2	107	1.7	19.9%	98000
5/9/2000	10:50 a.m.	0.53	25.8	8.7	9.4	6.8	167	> 20.0	> 200.0%	31300
5/24/2000	2:55 p.m.	Flowing	20.2	8.4	9.6	5.0	196	9.6	105.9%	16900
7/24/2000	10:30 a.m.	0.17	29.3	8.8	Na	Na	138	5.1	64.0%	105400
8/22/2000	12:00 p.m.	Flowing	32.1	9.1	43.8	14.6	100	12.7	160.5%	8164
11/16/2000	8:30 a.m.	0.25	8.9	8.5	8.8	3.4	201	19.6	196.5%	20300
2/8/2001	2:20 p.m.	Flowing	17.9	8.9	5.2	2.4	151	11.0	114.9%	14017
5/8/2001	1:05 p.m.	Flowing	29.8	8.6	7.6	4.0	146	6.5	91.2%	7701
8/8/2001	8:30 a.m.	Flowing	22.1	8.5	26.4	8.8	187	4.2	48.3%	54600
11/7/2001	2:45 p.m.	0.48	22.0	8.5	11.8	3.6	148	6.0	68.7%	19863
2/5/2002	9:34 a.m.	Flowing	11.2	8.4	8.8	3.4	194	7.5	82.0%	137100
5/14/2002	2:40 p.m.	0.42	20.7	8.2	40.8	12.6	194	3.6	39.9%	18500
8/7/2002	2:15 p.m.	0.08	33.1	8.8	36.0	12.4	127	3.8	52.5%	54600
11/5/2002	8:16 a.m.	0.18	13.5	8.1	8.6	3.0	211	6.1	58.6%	17715
2/3/2003	12:00 p.m.	0.35	18.4	8.6	3.4	1.9	185	10.6	114.4%	1723
5/14/2003	12:00 p.m.	0.37	16.7	8.4	4.8	2.0	190	6.2	64.0%	5172
Ave. All		0.31	21.9	8.6	18.6	6.6	158	> 9.3	> 103.4%	47801
Winter		Flowing	17.8	8.8	9.6	4.3	151	8.0	87.9%	62403
Spring		0.48	25.2	8.6	15.4	6.6	169	> 11.9	> 127.4%	15856
Summer		0.13	27.7	8.8	32.1	11.5	136	7.4	94.1%	92933
Fall		0.30	17.7	8.4	23.9	6.5	187	9.8	106.6%	40676
Season Ave		0.30	22.1	8.7	20.2	7.2	161	> 9.3	> 104.0%	52967

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 906										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:48 a.m.	Flowing	784	466	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/28/1999	11:00 a.m.	Open	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:50 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:25 a.m.	Flowing	732	392	440	9.0	83	135	679	Not Done
5/11/1999	2:20 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:10 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	9:25 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
10/6/1999	12:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/2/1999	9:15 a.m.	Flowing	716	473	413	9.1	102	140	770	Not Done
2/9/2000	9:30 a.m.	Flowing	1018	469	648	18.1	136	178	1005	334
5/8/2000	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/22/2000	9:25 a.m.	No Flow	22144	2951	10891	308.0	1208	603	6480	192
11/15/2000	9:50 a.m.	Slight Flow	848	467	513	12.0	109	157	841	243
2/8/2001	10:45 a.m.	Flowing	680	589	401	12.7	123	219	1053	254
5/8/2001	10:15 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/7/2001	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/7/2001	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/5/2002	12:56 p.m.	Some Flow	798	401	481	9.7	109	147	816	277
5/13/2002	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/6/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/5/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/4/2003	10:10 a.m.	0.12	944	480	490	8.9	121	147	867	316
5/13/2003	11:22 a.m.	Flowing	843	518	655	13.1	152	185	1086	333
Ave. All		Varies	3465	776	1970	54	267	226	1663	260
Winter		Flowing	802	463	493	12	113	170	888	288
Spring		No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Summer		No Flow	22144	2951	10891	308	1208	603	6480	192
Fall		Varies	782	470	463	11	106	149	805	243
Season Ave		Varies	7909	1295	3949	110	475	307	2725	241

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 906										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:48 a.m.	Flowing	0.63	< 0.10	Na	Na	2268	Not Done	Not Done	< 0.1
1/28/1999	11:00 a.m.	Open	0.50	0.48	Na	Na	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:50 a.m.	Flowing	0.28	0.21	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:25 a.m.	Flowing	0.26	0.06	Na	Na	1944	Not Done	Not Done	0.9
5/11/1999	2:20 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:10 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	9:25 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
10/6/1999	12:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/2/1999	9:15 a.m.	Flowing	0.24	0.04	Na	Na	2160	268	1892	1.0
2/9/2000	9:30 a.m.	Flowing	0.54	0.10	Na	Na	3056	572	2484	< 0.1
5/8/2000	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/22/2000	9:25 a.m.	No Flow	3.36	0.92	Na	1.0	40145	5330	34815	Na
11/15/2000	9:50 a.m.	Slight Flow	0.34	0.20	0.2	1.0	2443	2443	260	Na
2/8/2001	10:45 a.m.	Flowing	0.29	0.15	0.2	3.1	1998	187	1811	Na
5/8/2001	10:15 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/7/2001	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/7/2001	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/5/2002	12:56 p.m.	Some Flow	0.22	0.17	Na	3.3	2050	223	1827	3.3
5/13/2002	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/6/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/5/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/4/2003	10:10 a.m.	0.12	0.15	0.26	< 0.1	2.0	2364	256	2108	1.2
5/13/2003	11:22 a.m.	Flowing	0.43	0.20	0.1	3.4	3052	468	2584	1.0
Ave. All		Varies	0.67	< 0.24	0.2	2.1	7008	1504	7182	< 1.1
Winter		Flowing	0.39	< 0.18	0.2	3.2	2263	327	2041	< 1.1
Spring		No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Summer		No Flow	3.36	0.92	Na	1.0	40145	5330	34815	Na
Fall		Varies	0.29	0.12	0.2	1.0	2302	1356	1076	1.0
Season Ave		Varies	1.35	< 0.41	0.2	1.7	14903	2338	12644	< 1.1

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Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 906										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:48 a.m.	Flowing	510	< 10	2515	Not Done	5.7	0.03	< 0.2	0.34
1/28/1999	11:00 a.m.	Open	1050	754	1044	Not Done	1.3	0.07	0.3	1.60
2/3/1999	10:50 a.m.	Flowing	126	< 10	1770	Not Done	1.2	0.09	0.2	1.30
2/24/1999	9:25 a.m.	Flowing	416	20	3360	34.2	0.2	0.05	0.2	0.43
5/11/1999	2:20 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:10 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	9:25 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
10/6/1999	12:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/2/1999	9:15 a.m.	Flowing	488	262	3880	22.0	0.7	< 0.02	0.3	1.50
2/9/2000	9:30 a.m.	Flowing	933	52	4370	26.8	1.0	0.03	0.2	0.20
5/8/2000	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/22/2000	9:25 a.m.	No Flow	3076	< 40	55500	86.5	66.0	0.05	0.3	0.92
11/15/2000	9:50 a.m.	Slight Flow	472	98	4030	6.4	2.0	0.03	0.3	1.30
2/8/2001	10:45 a.m.	Flowing	98	30	3280	14.8	0.8	0.05	0.2	0.93
5/8/2001	10:15 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/7/2001	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/7/2001	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/5/2002	12:56 p.m.	Some Flow	161	< 20	3380	7.2	1.6	0.03	< 0.2	1.10
5/13/2002	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/6/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/5/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/4/2003	10:10 a.m.	0.12	288	< 10	3750	11.3	0.3	0.03	< 0.3	1.00
5/13/2003	11:22 a.m.	Flowing	816	73	4750	15.9	J 1.0	J 0.01	0.3	0.60
Ave. All		Varies	733	< 130	8313	28.3	8.1	< 0.04	< 0.2	0.96
Winter		Flowing	471	< 128	2817	20.8	1.7	0.05	< 0.2	0.84
Spring		No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Summer		No Flow	3076	< 40	55500	86.5	66.0	0.05	0.3	0.92
Fall		Varies	480	180	3955	14.2	1.4	< 0.03	0.3	1.40
Season Ave		Varies	1342	< 116	20757	40.5	23.0	< 0.04	< 0.3	1.05

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 906										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:48 a.m.	Flowing	11.8	7.9	15.2	6.4	Not Done	8.5	75.9%	5475
1/28/1999	11:00 a.m.	Open	12.9	Not Done	Na	Na	Not Done	6.5	61.1%	18700
2/3/1999	10:50 a.m.	Flowing	12.4	8.5	Na	Na	Not Done	9.6	92.2%	1424
2/24/1999	9:25 a.m.	Flowing	13.5	8.6	65.2	20.0	Not Done	11.4	113.3%	3870
5/11/1999	2:20 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:10 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	9:25 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
10/6/1999	12:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/2/1999	9:15 a.m.	Flowing	15.2	8.3	40.2	13.6	Not Done	12.8	121.2%	16000
2/9/2000	9:30 a.m.	Flowing	15.0	8.2	63.4	18.6	200	2.6	26.0%	10460
5/8/2000	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/22/2000	9:25 a.m.	No Flow	21.7	8.2	384.0	146.0	115	8.1	102.7%	173000
11/15/2000	9:50 a.m.	Slight Flow	9.7	8.0	12.4	5.6	146	12.5	111.6%	86001
2/8/2001	10:45 a.m.	Flowing	11.2	8.2	47.6	11.8	152	11.7	115.2%	2247
5/8/2001	10:15 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/7/2001	8:45 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/7/2001	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/5/2002	12:56 p.m.	Some Flow	14.1	8.1	15.2	4.4	166	6.8	67.3%	1650
5/13/2002	10:20 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/6/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
11/5/2002	11:40 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/4/2003	10:10 a.m.	0.12	13.0	8.2	17.2	4.7	189	3.7	35.6%	15400
5/13/2003	11:22 a.m.	Flowing	18.7	7.9	21.9	6.3	200	2.3	24.9%	54600
Ave. All		Varies	13.8	8.2	80	28	156	9.0	88.7%	31883
Winter		Flowing	13.0	8.2	41	12	173	8.1	78.7%	6261
Spring		No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
Summer		No Flow	21.7	8.2	384	146	115	8.1	102.7%	173000
Fall		Varies	12.5	8.2	26	10	146	12.7	116.4%	51001
Season Ave		Varies	15.7	8.2	151	56	144	9.6	99.3%	76754

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 905										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:50 a.m.	Flowing	784	437	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/28/1999	11:05 a.m.	Open	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:40 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:10 a.m.	Flowing	670	366	385	8.1	78	145	683	Not Done
5/11/1999	2:00 p.m.	Flowing	Na	Na	Na	Na	Na	Na	Na	Na
5/25/1999	8:20 a.m.	Flowing	537	395	363	6.0	103	134	759	309
8/10/1999	9:20 a.m.	Flowing	744	441	453	8.6	101	122	721	302
10/6/1999	12:50 p.m.	Flowing	466	400	321	4.8	93	125	695	Not Done
11/2/1999	8:50 a.m.	Flowing	512	441	313	6.1	91	130	699	Not Done
2/9/2000	9:00 a.m.	Flowing	1021	539	638	21.2	143	210	1113	324
5/8/2000	8:30 a.m.	Flowing	740	472	428	12.8	103	149	796	320
8/22/2000	9:35 a.m.	Flowing	620	624	Na	Na	Na	Na	Na	307
11/15/2000	10:20 a.m.	Flowing	749	503	453	10.6	112	168	881	244
2/8/2001	10:10 a.m.	Flowing	739	606	426	14.7	127	236	1112	239
5/8/2001	10:00 a.m.	Flowing	698	692	392	21.7	151	284	1331	328
8/7/2001	8:55 a.m.	Flowing	530	465	320	5.3	90	117	663	297
11/7/2001	10:10 a.m.	Flowing	589	681	351	5.4	139	244	1182	338
2/5/2002	12:40 p.m.	Flowing	784	662	526	4.0	170	338	1544	273
5/13/2002	10:15 a.m.	Flowing	631	471	372	2.6	129	227	1098	319
8/6/2002	11:45 a.m.	0.39	418	392	266	3.4	93	188	852	271
11/5/2002	12:00 p.m.	Flowing	782	488	506	10.1	122	156	890	308
2/4/2003	10:40 a.m.	0.12	834	452	449	8.5	121	175	935	328
5/13/2003	11:40 a.m.	Flowing	632	435	409	21.5	128	220	1076	305
Ave. All		Flowing	674	498	409	9.7	116	187	946	301
Winter		Flowing	800	522	494	12.0	130	232	1113	279
Spring		Flowing	652	508	389	10.8	122	199	996	319
Summer		Flowing	578	480	346	5.8	95	142	745	294
Fall		Flowing	620	503	389	7.4	111	165	869	297
Season Ave		Flowing	662	503	404	9.0	114	184	931	297

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 905										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:50 a.m.	Flowing	0.54	< 0.10	Na	Na	2204	Not Done	Not Done	< 0.1
1/28/1999	11:05 a.m.	Open	0.49	0.43	Na	Na	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:40 a.m.	Flowing	0.31	0.28	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:10 a.m.	Flowing	0.21	0.07	Na	Na	1892	Not Done	Not Done	0.9
5/11/1999	2:00 p.m.	Flowing	0.24	0.16	Na	Na	2100	Not Done	Not Done	Na
5/25/1999	8:20 a.m.	Flowing	Not Done	Not Done	Na	Na	1788	Not Done	Not Done	< 0.1
8/10/1999	9:20 a.m.	Flowing	0.37	< 0.10	Na	Na	2052	Not Done	Not Done	1.3
10/6/1999	12:50 p.m.	Flowing	Not Done	Not Done	Na	Na	1656	180	1476	< 0.1
11/2/1999	8:50 a.m.	Flowing	0.26	0.04	Na	Na	1776	204	1572	1.0
2/9/2000	9:00 a.m.	Flowing	0.26	0.16	Na	Na	3180	1116	2064	< 0.1
5/8/2000	8:30 a.m.	Flowing	0.10	0.10	Na	1.9	2156	142	2014	< 1.0
8/22/2000	9:35 a.m.	Flowing	0.25	0.06	Na	3.9	2040	205	1835	Na
11/15/2000	10:20 a.m.	Flowing	0.44	0.28	0.1	2.8	2330	243	2087	Na
2/8/2001	10:10 a.m.	Flowing	0.23	0.14	0.1	2.7	2145	213	1932	Na
5/8/2001	10:00 a.m.	Flowing	0.20	0.17	Na	2.2	2283	383	1900	< 10.0
8/7/2001	8:55 a.m.	Flowing	0.24	0.09	Na	1.7	1765	165	1600	Na
11/7/2001	10:10 a.m.	Flowing	0.17	0.10	Na	2.7	1898	165	1733	< 20.0
2/5/2002	12:40 p.m.	Flowing	0.18	0.14	Na	5.5	2199	242	1957	< 30.0
5/13/2002	10:15 a.m.	Flowing	0.21	0.11	0.1	1.5	2104	290	1814	5.4
8/6/2002	11:45 a.m.	0.39	0.24	0.12	< 0.1	1.8	1490	136	1354	0.6
11/5/2002	12:00 p.m.	Flowing	0.07	0.17	< 0.1	1.3	2263	199	2064	1.4
2/4/2003	10:40 a.m.	0.12	0.06	0.29	< 0.1	2.6	2297	263	2034	1.0
5/13/2003	11:40 a.m.	Flowing J	0.07	0.05	< 0.1	2.9	2168	372	1796	0.9
Ave. All		Flowing	0.24	< 0.15	< 0.1	2.6	2085	282	1827	< 4.6
Winter		Flowing	0.32	< 0.19	0.1	4.1	2324	524	1984	< 7.8
Spring		Flowing	0.19	0.14	0.1	1.9	2086	272	1909	< 4.1
Summer		Flowing	0.28	< 0.09	< 0.1	2.5	1837	169	1596	0.9
Fall		Flowing	0.24	0.15	< 0.1	2.3	1985	198	1786	< 5.6
Season Ave		Flowing	0.25	< 0.14	< 0.1	2.7	2058	291	1819	< 4.6

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Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 905										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:50 a.m.	Flowing	74	< 30	2555	Not Done	4.1	< 0.00	< 0.2	0.95
1/28/1999	11:05 a.m.	Open	1020	613	2275	Not Done	1.3	0.08	0.2	1.90
2/3/1999	10:40 a.m.	Flowing	< 10	< 10	1767	Not Done	0.9	0.06	0.3	1.30
2/24/1999	9:10 a.m.	Flowing	31	31	3160	11.0	0.1	0.03	< 0.2	0.40
5/11/1999	2:00 p.m.	Flowing	86	52	2910	22.8	1.0	0.03	< 0.2	< 0.10
5/25/1999	8:20 a.m.	Flowing	86	52	2910	22.8	Not Done	Not Done	Not Done	Not Done
8/10/1999	9:20 a.m.	Flowing	63	< 40	3700	26.3	0.3	< 0.25	< 0.3	0.85
10/6/1999	12:50 p.m.	Flowing	221	< 40	2920	16.4	0.0	Not Done	Not Done	Not Done
11/2/1999	8:50 a.m.	Flowing	233	148	3850	15.5	0.7	< 0.02	0.2	1.20
2/9/2000	9:00 a.m.	Flowing	121	41	4400	7.7	1.0	0.02	0.4	1.30
5/8/2000	8:30 a.m.	Flowing	< 40	< 40	3350	29.8	1.0	J 0.02	J 0.2	1.50
8/22/2000	9:35 a.m.	Flowing	52	< 40	2990	26.1	J 0.8	0.03	0.9	1.50
11/15/2000	10:20 a.m.	Flowing	480	233	3800	8.5	2.3	0.02	0.3	1.20
2/8/2001	10:10 a.m.	Flowing	< 40	52	3070	9.8	1.0	0.03	0.2	0.80
5/8/2001	10:00 a.m.	Flowing	20	30	3290	19.2	J 0.7	J 0.01	0.3	1.40
8/7/2001	8:55 a.m.	Flowing	41	20	2810	21.2	J 0.7	< 0.02	0.5	1.20
11/7/2001	10:10 a.m.	Flowing	798	238	3160	14.2	2.0	0.03	0.2	1.40
2/5/2002	12:40 p.m.	Flowing	30	52	3580	2.8	1.6	0.03	< 0.2	0.90
5/13/2002	10:15 a.m.	Flowing	< 20	< 20	3180	22.1	4.6	0.01	< 0.2	0.59
8/6/2002	11:45 a.m.	0.39	86	30	2330	18.8	1.2	J 0.02	0.2	0.66
11/5/2002	12:00 p.m.	Flowing	441	90	3810	8.9	3.1	< 0.02	0.7	1.60
2/4/2003	10:40 a.m.	0.12	41	85	3620	8.0	0.4	0.01	< 0.3	0.86
5/13/2003	11:40 a.m.	Flowing	52	41	3190	14.0	1.3	J 0.01	0.4	0.45
Ave. All		Flowing	< 178	< 88	3158	16.3	1.4	< 0.04	< 0.3	< 1.05
Winter		Flowing	< 189	< 118	2972	7.8	1.4	< 0.04	< 0.2	< 1.08
Spring		Flowing	< 50	< 39	3128	23.3	1.8	0.02	0.2	0.90
Summer		Flowing	61	< 33	2958	23.1	0.7	< 0.08	< 0.5	1.05
Fall		Flowing	435	< 150	3508	12.7	1.6	< 0.02	0.3	1.35
Season Ave		Flowing	< 184	< 85	3141	16.7	1.4	< 0.04	< 0.3	< 1.09

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 905										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:50 a.m.	Flowing	12.7	7.5	14.8	6.8	Not Done	7.6	73.2%	2359
1/28/1999	11:05 a.m.	Open	14.1	Not Done	Na	Na	Not Done	5.5	58.5%	15530
2/3/1999	10:40 a.m.	Flowing	11.4	7.9	Na	Na	Not Done	8.7	66.5%	2374
2/24/1999	9:10 a.m.	Flowing	13.2	7.9	25.6	10.0	Not Done	9.9	94.2%	1370
5/11/1999	2:00 p.m.	Flowing	22.0	7.9	35.2	10.8	Na	10.0	101.0%	11000
5/25/1999	8:20 a.m.	Flowing	19.9	7.9	51.2	14.0	185	7.1	80.0%	11000
8/10/1999	9:20 a.m.	Flowing	22.9	7.9	47.0	15.0	181	6.3	79.1%	68670
10/6/1999	12:50 p.m.	Flowing	21.7	8.2	30.8	8.4	Not Done	4.3	48.3%	16500
11/2/1999	8:50 a.m.	Flowing	16.1	8.0	29.4	10.8	Not Done	8.2	83.4%	14140
2/9/2000	9:00 a.m.	Flowing	15.4	7.5	19.0	7.2	194	2.2	22.5%	1585
5/8/2000	8:30 a.m.	Flowing	20.0	7.8	54.8	17.6	192	4.7	52.7%	15140
8/22/2000	9:35 a.m.	Flowing	23.1	8.1	74.0	18.6	184	4.2	51.3%	119800
11/15/2000	10:20 a.m.	Flowing	11.1	7.6	20.2	7.6	146	8.3	78.8%	5172
2/8/2001	10:10 a.m.	Flowing	11.0	7.9	29.6	9.2	143	9.5	87.9%	2495
5/8/2001	10:00 a.m.	Flowing	20.5	7.7	45.8	11.6	197	2.3	27.8%	2143
8/7/2001	8:55 a.m.	Flowing	23.5	8.0	31.0	8.8	178	2.2	27.3%	24600
11/7/2001	10:10 a.m.	Flowing	17.8	9.0	30.4	8.8	203	4.1	42.7%	12997
2/5/2002	12:40 p.m.	Flowing	12.0	7.4	9.8	3.6	164	4.5	41.9%	2359
5/13/2002	10:15 a.m.	Flowing	20.5	7.9	34.0	8.6	191	2.9	32.3%	4352
8/6/2002	11:45 a.m.	0.39	24.9	7.9	28.0	8.8	162	2.2	27.2%	22546
11/5/2002	12:00 p.m.	Flowing	16.5	7.6	14.6	4.2	185	3.4	35.5%	14600
2/4/2003	10:40 a.m.	0.12	13.3	7.6	11.3	4.6	197	7.6	73.2%	22300
5/13/2003	11:40 a.m.	Flowing	21.7	7.7	21.0	5.1	183	5.1	58.7%	4884
Ave. All		Flowing	17.6	7.9	31.3	9.5	180	5.7	58.4%	17301
Winter		Flowing	12.8	7.7	19.8	7.4	167	6.8	63.5%	4010
Spring		Flowing	20.6	7.8	44.2	12.5	191	5.4	58.8%	8727
Summer		Flowing	23.6	8.0	45.0	12.8	176	3.7	46.2%	58904
Fall		Flowing	16.6	8.1	25.1	8.0	178	5.6	57.7%	12682
Season Ave		Flowing	18.4	7.9	33.5	10.2	178	5.4	56.6%	21081

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 904										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:35 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
1/28/1999	10:30 a.m.	Open	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:15 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	8:35 a.m.	Open	20428	2473	11066	402	1047	477	5503	Not Done
5/11/1999	1:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:00 a.m.	Open	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	8:50 a.m.	Open	22525	2590	11233	414	1275	452	452	118
10/6/1999	12:30 p.m.	Open	21483	2593	11032	424	1290	449	449	Not Done
11/2/1999	8:30 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/9/2000	8:45 a.m.	No Flow	6034	1095	3352	112	444	269	2500	339
5/8/2000	8:00 a.m.	Flowing	18227	2320	7539	274	950	344	4771	192
8/22/2000	9:05 a.m.	Flowing	19552	2429	6358	318	1014	398	5169	158
11/15/2000	9:15 a.m.	Flowing	20843	2589	6778	339	1081	424	5510	115
2/8/2001	9:30 a.m.	Flowing	18092	2223	9581	344	1179	427	5921	115
5/8/2001	9:09 a.m.	Flowing	19310	2344	9173	345	1159	470	5946	192
8/7/2001	8:15 a.m.	Flowing	6495	2932	Na	310	889	356	4550	193
11/7/2001	9:15 a.m.	Flowing	21360	2537	10937	365	1308	455	6522	119
2/5/2002	11:38 a.m.	Flowing	14972	1962	8156	293	1025	448	5340	174
5/13/2002	9:30 a.m.	Flowing	14371	2532	10526	331	1254	415	6200	116
8/6/2002	1:50 p.m.	Flowing	24916	2575	10090	374	1244	425	6184	151
11/4/2002	11:50 a.m.	Flowing	24301	2498	9960	345	1244	417	6163	118
2/4/2003	9:45 a.m.	No Flow	9704	1401	5290	214	743	359	3956	256
5/13/2003	12:20 p.m.	Flowing	12580	1927	7008	261	918	365	4692	186
Ave. All		Varies	17364	2295	8630	321	1063	409	4696	169
Winter		Varies	14882	1938	8039	288	924	405	4816	209
Spring		Varies	17303	2399	9079	317	1121	410	5639	167
Summer		Open	18372	2632	9227	354	1105	408	4089	155
Fall		Varies	21997	2554	9677	368	1231	436	4661	117
Season Ave		Varies	18138	2381	9005	332	1095	415	4801	162

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 904										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:35 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
1/28/1999	10:30 a.m.	Open	0.32	0.29	Na	Na	Not Done	Not Done	Not Done	Not Done
2/3/1999	10:15 a.m.	Flowing	< 0.10	< 0.02	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	8:35 a.m.	Open	0.05	0.03	Na	Na	36040	Not Done	Not Done	< 0.1
5/11/1999	1:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:00 a.m.	Open	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	8:50 a.m.	Open	< 0.06	< 0.10	Na	Na	35408	Not Done	Not Done	< 0.1
10/6/1999	12:30 p.m.	Open	Not Done	Not Done	Na	Na	34728	3672	31056	< 0.1
11/2/1999	8:30 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/9/2000	8:45 a.m.	No Flow	0.25	0.07	Na	Na	13232	1772	11460	< 0.1
5/8/2000	8:00 a.m.	Flowing	0.22	0.21	Na	< 1.0	29168	6230	22938	< 1.0
8/22/2000	9:05 a.m.	Flowing	0.20	0.14	Na	< 1.0	34758	4570	30188	Na
11/15/2000	9:15 a.m.	Flowing	0.32	< 0.02	Na	< 1.0	34710	2528	32182	Na
2/8/2001	9:30 a.m.	Flowing	0.03	< 0.02	Na	< 1.0	35328	3532	31796	Na
5/8/2001	9:09 a.m.	Flowing	0.20	0.07	Na	< 1.0	31645	4360	27285	< 10.0
8/7/2001	8:15 a.m.	Flowing	0.22	0.08	Na	< 1.0	31415	2903	28513	36.8
11/7/2001	9:15 a.m.	Flowing	0.04	< 0.02	Na	< 1.0	35128	3423	31705	< 20.0
2/5/2002	11:38 a.m.	Flowing	J 0.09	0.08	Na	< 1.0	24794	1960	22834	< 30.0
5/13/2002	9:30 a.m.	Flowing	< 0.10	< 0.02	0.33	< 1.0	36798	4274	35524	5.5
8/6/2002	1:50 p.m.	Flowing	0.10	0.07	< 0.1	< 1.0	33814	2243	31571	1.7
11/4/2002	11:50 a.m.	Flowing	0.08	0.04	< 0.1	< 1.0	38840	3160	35680	Na
2/4/2003	9:45 a.m.	No Flow	0.02	0.02	0.1	< 1.0	17478	1499	15979	2.0
5/13/2003	12:20 p.m.	Flowing	J 0.08	0.12	< 0.1	< 1.0	25768	3576	22192	1.8
Ave. All		Varies	< 0.14	< 0.08	< 0.2	< 1.0	31121	3313	27394	< 8.4
Winter		Varies	< 0.14	< 0.08	Na	< 1.0	27349	2421	22030	< 10.1
Spring		Varies	0.17	0.10	0.3	< 1.0	32537	4955	28582	< 5.5
Summer		Open	< 0.15	< 0.10	< 0.1	< 1.0	33849	3239	30091	< 12.9
Fall		Varies	0.15	< 0.03	< 0.1	< 1.0	35852	3196	32656	< 10.1
Season Ave		Varies	< 0.15	< 0.08	< 0.2	< 1.0	32396	3453	28340	< 9.6

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 904										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:35 a.m.	No Flow	No Sample	No Sample	No Sample	Not Done	No Sample	No Sample	No Sample	No Sample
1/28/1999	10:30 a.m.	Open	223	428	2207	Not Done	0.5	0.06	0.2	1.10
2/3/1999	10:15 a.m.	Flowing	< 10	< 10	3608	Not Done	0.1	< 0.02	0.3	0.51
2/24/1999	8:35 a.m.	Open	120	< 20	52500	4.1	0.1	0.04	< 0.2	< 0.20
5/11/1999	1:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:00 a.m.	Open	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	8:50 a.m.	Open	63	< 40	59400	3.0	19.3	< 0.25	< 0.3	2.20
10/6/1999	12:30 p.m.	Open	135	< 40	59100	1.9	0.1	Not Done	Not Done	Not Done
11/2/1999	8:30 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/9/2000	8:45 a.m.	No Flow	< 40	< 40	17740	7.4	24.0	0.05	0.3	2.50
5/8/2000	8:00 a.m.	Flowing	109	504	42700	12.4	68.0	J 0.01	J 0.2	0.51
8/22/2000	9:05 a.m.	Flowing	1036	< 40	49000	2.0	37.0	0.23	0.3	0.53
11/15/2000	9:15 a.m.	Flowing	< 40	< 40	52000	1.4	37.0	J 0.004	J 0.1	0.51
2/8/2001	9:30 a.m.	Flowing	< 40	20	51200	3.6	48.0	0.02	< 0.2	0.40
5/8/2001	9:09 a.m.	Flowing	132	41	45700	4.7	60.0	< 0.02	0.4	0.50
8/7/2001	8:15 a.m.	Flowing	426	85	45700	6.0	22.0	< 0.02	0.2	0.78
11/7/2001	9:15 a.m.	Flowing	41	< 20	51300	0.8	61.4	J 0.02	J 0.2	1.30
2/5/2002	11:38 a.m.	Flowing	63	20	37800	6.4	45.7	0.03	< 0.2	0.67
5/13/2002	9:30 a.m.	Flowing	< 20	< 20	51100	1.7	0.8	< 0.02	< 0.2	0.21
8/6/2002	1:50 p.m.	Flowing	983	10	49000	3.3	42.8	< 0.02	< 0.2	0.63
11/4/2002	11:50 a.m.	Flowing	183	84	50700	3.8	0.6	< 0.02	< 0.2	0.53
2/4/2003	9:45 a.m.	No Flow	20	20	26800	3.2	0.6	0.01	< 0.3	0.79
5/13/2003	12:20 p.m.	Flowing	292	10	37000	6.5	< 5.0	J 0.01	< 0.2	2.30
Ave. All		Varies	< 209	< 79	41292	4.2	24.9	< 0.05	< 0.2	< 0.90
Winter		Varies	< 83	< 90	27509	5.4	19.7	< 0.04	< 0.2	< 0.90
Spring		Varies	87	188	46500	6.3	42.9	0.02	0.3	0.41
Summer		Open	627	< 44	50775	3.6	30.3	< 0.13	< 0.2	1.04
Fall		Varies	100	< 46	53275	2.0	24.8	< 0.02	0.2	0.78
Season Ave		Varies	< 224	< 92	44515	4.3	29.4	< 0.05	< 0.2	< 0.78

CITY OF ESCONDIDO DATA
(NOT ESCONDIDO CREEK)

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 904										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	9:35 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
1/28/1999	10:30 a.m.	Open	13.6	Not Done	Na	Na	Not Done	3.4	41.1%	15530
2/3/1999	10:15 a.m.	Flowing	13.7	8.5	Na	Na	Not Done	2.6	33.5%	< 10
2/24/1999	8:35 a.m.	Open	11.1	8.1	77	23.2	Not Done	8.9	97.0%	544
5/11/1999	1:45 p.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
5/25/1999	8:00 a.m.	Open	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
8/10/1999	8:50 a.m.	Open	19.6	8.0	250	60.0	71	4.4	58.0%	310
10/6/1999	12:30 p.m.	Open	19.9	8.1	213	28.0	Not Done	5.1	68.5%	865
11/2/1999	8:30 a.m.	No Flow	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample	No Sample
2/9/2000	8:45 a.m.	No Flow	15.5	8.3	46	28.0	203	5.6	55.7%	933
5/8/2000	8:00 a.m.	Flowing	18.8	7.7	112	28.8	115	3.1	36.4%	35500
8/22/2000	9:05 a.m.	Flowing	23.4	7.8	159	37.0	95	3.7	43.5%	6867
11/15/2000	9:15 a.m.	Flowing	15.5	8.0	74	16.6	69	8.1	98.6%	132
2/8/2001	9:30 a.m.	Flowing	12.8	8.0	89	17.0	69	8.9	100.7%	109
5/8/2001	9:09 a.m.	Flowing	18.1	7.8	104	24.6	115	1.5	20.6%	7270
8/7/2001	8:15 a.m.	Flowing	22.1	7.8	91	27.2	116	1.2	14.6%	20600
11/7/2001	9:15 a.m.	Flowing	18.0	8.0	23.8	7.4	71	3.9	61.7%	221
2/5/2002	11:38 a.m.	Flowing	12.4	7.8	44.8	9.4	104	4.5	48.5%	199
5/13/2002	9:30 a.m.	Flowing	18.0	8.2	22.0	7.2	70	3.6	47.4%	346
8/6/2002	1:50 p.m.	Flowing	26.3	7.8	21.2	6.4	91	1.5	21.9%	5037
11/4/2002	11:50 a.m.	Flowing	19.3	8.1	37.8	9.8	71	5.6	73.6%	1506
2/4/2003	9:45 a.m.	No Flow	13.7	8.0	13.3	6.1	153	5.4	58.2%	5960
5/13/2003	12:20 p.m.	Flowing	20.3	7.8	11.9	3.3	111	3.4	42.9%	24192
Ave. All		Varies	17.5	8.0	82	20.0	102	4.4	53.8%	< 6638
Winter		Varies	13.2	8.1	64	19.4	125	5.6	62.8%	< 2888
Spring		Varies	18.3	7.9	79	20.2	100	2.7	34.8%	14372
Summer		Open	22.9	7.9	130	32.7	93	2.7	34.5%	8204
Fall		Varies	18.2	8.1	87	15.5	70	5.7	75.6%	681
Season Ave		Varies	18.1	8.0	90	21.9	97	4.2	51.9%	< 6536

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 907										
11/10/1998	8:20 a.m.	6.28	0.23	0.23	Na	Na	848	Not Done	Not Done	< 0.1
1/6/1999	10:20 a.m.	4.80	0.25	< 0.10	Na	Na	1480	Not Done	Not Done	0.6
1/28/1999	11:25 a.m.	Open	0.28	0.25	Na	Na	Not Done	Not Done	Not Done	Not Done
2/3/1999	11:40 a.m.	Flowing	0.20	0.12	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:40 a.m.	3.60	0.08	0.08	Na	Na	1544	Not Done	Not Done	0.8
5/11/1999	8:30 a.m.	3.38	0.22	0.15	Na	Na	1616	Not Done	Not Done	< 0.1
5/25/1999	8:50 a.m.	2.83	Not Done	< 0.20	Na	Na	1408	Not Done	Not Done	< 0.1
8/10/1999	8:30 a.m.	1.44	0.20	0.17	Na	Na	1476	Not Done	Not Done	< 0.1
10/6/1999	1:30 p.m.	1.74	Not Done	Not Done	Na	Na	1556	188	1368	< 0.1
11/2/1999	9:40 a.m.	1.50	0.10	0.10	Na	Na	1572	216	1356	0.9
12/21/1999	1:37 p.m.	Flowing	0.20	Not Done	Na	Na	1638	191	1447	Na
2/8/2000	9:45 a.m.	3.40	0.20	0.15	Na	Na	1316	212	1104	0.7
5/8/2000	9:15 a.m.	2.10	0.22	0.18	0.3	2.7	1480	102	1378	1.1
8/21/2000	8:55 a.m.	1.02	0.23	0.16	Na	4.8	1544	208	1336	2.3
11/15/2000	11:00 a.m.	Flowing	0.22	0.16	< 0.1	4.1	1370	153	1217	1.9
2/7/2001	10:45 a.m.	2.72	0.20	0.16	< 0.1	4.4	1652	220	1432	2.9
5/7/2001	9:10 a.m.	3.67	0.20	0.15	< 0.1	4.2	1538	178	1360	2.9
6/5/2001	2:45 p.m.	Flowing	0.21	0.21	Na	1.8	1558	190	1368	2.5
8/6/2001	8:55 a.m.	1.23	0.10	0.09	< 0.1	2.1	1578	193	1385	0.7
11/8/2001	1:30 p.m.	3.08	0.15	0.16	1.0	7.9	1520	170	1350	2.2
2/4/2002	1:33 p.m.	3.44	0.14	0.08	0.1	3.2	1585	195	1390	2.8
5/7/2002	2:30 p.m.	2.32	0.17	0.15	Na	3.5	1594	Na	Na	0.6
8/5/2002	9:26 a.m.	0.72	0.12	0.11	< 0.1	1.2	1395	135	1260	0.7
11/4/2002	11:20 a.m.	1.03	0.08	0.13	< 0.1	2.9	1490	1301	189	0.6
2/3/2003	10:21 a.m.	0.85	0.06	0.11	< 0.1	3.6	1550	186	1364	0.7
5/12/2003	8:30 a.m.	1.92	0.08	0.08	< 0.1	5.0	1724	360	1364	0.8
Ave. All		2.53	0.17	< 0.14	< 0.2	3.7	1501	259	1275	< 1.1
Winter		3.81	0.19	< 0.13	0.1	3.2	1481	204	1247	< 1.2
Spring		3.05	0.20	< 0.17	< 0.1	3.2	1543	184	1364	< 1.3
Summer		1.10	0.16	0.13	< 0.1	2.7	1498	179	1327	< 0.9
Fall		2.72	0.16	0.16	0.4	5.0	1428	370	1155	< 1.0
Season Ave		2.67	0.18	< 0.15	< 0.2	3.5	1487	234	1273	< 1.1

?? estimated?

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 907										
11/10/1998	8:20 a.m.	6.28	288	279	175	4.4	56	101	483	Not Done
1/6/1999	10:20 a.m.	4.80	410	406	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/28/1999	11:25 a.m.	Open	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/3/1999	11:40 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	9:40 a.m.	3.60	393	368	267	4.8	74	127	622	Not Done
5/11/1999	8:30 a.m.	3.38	395	379	258	4.6	87	114	643	265
5/25/1999	8:50 a.m.	2.83	395	379	258	4.6	87	114	643	265
8/10/1999	8:30 a.m.	1.44	401	390	277	3.8	86	109	625	Not Done
10/6/1999	1:30 p.m.	1.74	397	394	282	4.8	89	126	678	Not Done
11/2/1999	9:40 a.m.	1.50	399	383	257	5.1	83	128	660	Not Done
12/21/1999	1:37 p.m.	Flowing	Na	Na	Na	Na	Na	Na	Na	Not Done
2/8/2000	9:45 a.m.	3.40	308	301	208	5.2	74	108	574	257
5/8/2000	9:15 a.m.	2.10	391	389	253	4.6	85	117	643	287
8/21/2000	8:55 a.m.	1.02	425	393	274	8.0	89	135	705	259
11/15/2000	11:00 a.m.	Flowing	379	328	219	5.0	84	134	681	267
2/7/2001	10:45 a.m.	2.72	426	390	269	5.3	96	150	770	309
5/7/2001	9:10 a.m.	3.67	411	399	252	4.8	89	133	697	288
6/5/2001	2:45 p.m.	Flowing	406	393	252	4.8	89	133	697	310
8/6/2001	8:55 a.m.	1.23	415	433	265	4.3	85	111	629	275
11/8/2001	1:30 p.m.	3.08	381	379	252	4.3	85	135	689	297
2/4/2002	1:33 p.m.	3.44	448	395	290	5.2	101	162	820	307
5/7/2002	2:30 p.m.	2.32	358	380	260	2.9	88	132	693	289
8/5/2002	9:26 a.m.	0.72	348	393	250	2.7	81	110	611	248
11/4/2002	11:20 a.m.	1.03	432	418	239	4.1	82	108	610	293
2/3/2003	10:21 a.m.	0.85	436	413	260	3.8	93	133	716	287
5/12/2003	8:30 a.m.	1.92	380	437	253	4.8	93	136	724	289
Ave. All		2.53	392	383	253	4.6	85	125	664	282
Winter		3.81	390	368	255	5.0	83	132	672	282
Spring		3.05	393	386	256	4.3	88	125	674	283
Summer		1.10	397	402	266	4.7	85	116	643	261
Fall		2.72	379	363	237	4.6	80	122	633	286
Season Ave		2.67	390	380	254	4.7	84	124	656	278

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 907										
11/10/1998	8:20 a.m.	6.28	Not Done	Not Done	1212	Not Done	2.1	< 0.02	0.4	1.80
1/6/1999	10:20 a.m.	4.80	< 20	< 20	1606	Not Done	5.7	0.01	< 0.2	0.36
1/28/1999	11:25 a.m.	Open	1440	1730	909	Not Done	2.1	0.06	0.2	1.20
2/3/1999	11:40 a.m.	Flowing	60	< 10	1347	Not Done	2.7	0.05	0.2	0.64
2/24/1999	9:40 a.m.	3.60	86	110	2450	5.3	4.4	0.04	< 0.2	0.53
5/11/1999	8:30 a.m.	3.38	Na	Na	Na	Na	2.7	< 0.02	< 0.2	< 0.20
5/25/1999	8:50 a.m.	2.83	63	74	2300	15.0	2.5	< 0.25	< 0.3	0.29
8/10/1999	8:30 a.m.	1.44	201	75	2440	14.1	0.8	0.01	0.7	2.10
10/6/1999	1:30 p.m.	1.74	84	51	2720	4.6	2.4	Not Done	Not Done	Not Done
11/2/1999	9:40 a.m.	1.50	63	52	2790	4.7	2.0	< 0.02	< 0.2	0.61
12/21/1999	1:37 p.m.	Flowing	Na	Na	Na	Na	Not Done	Not Done	0.3	0.91
2/8/2000	9:45 a.m.	3.40	148	490	1939	6.4	2.5	0.01	0.3	0.91
5/8/2000	9:15 a.m.	2.10	189	120	2290	18.7	1.0	J 0.01	J 0.2	0.99
8/21/2000	8:55 a.m.	1.02	399	350	2370	10.4	3.3	J 0.01	0.2	0.59
11/15/2000	11:00 a.m.	Flowing	134	85	2170	3.1	2.3	J 0.01	0.2	0.55
2/7/2001	10:45 a.m.	2.72	86	145	2510	3.9	5.4	0.04	0.1	0.45
5/7/2001	9:10 a.m.	3.67	145	31	2400	10.5	2.5	J 0.01	0.6	1.20
6/5/2001	2:45 p.m.	Flowing	31	11	2020	2.8	3.4	< 0.02	J 0.2	0.65
8/6/2001	8:55 a.m.	1.23	74	171	2310	6.5	1.0	< 0.02	0.2	0.76
11/8/2001	1:30 p.m.	3.08	173	213	2300	4.5	3.0	< 0.02	0.3	1.40
2/4/2002	1:33 p.m.	3.44	20	< 20	2500	3.2	4.5	J 0.01	< 0.2	0.69
5/7/2002	2:30 p.m.	2.32	85	97	2300	7.8	4.1	J 0.01	< 0.2	0.78
8/5/2002	9:26 a.m.	0.72	41	193	2130	7.7	2.2	0.02	< 0.2	0.54
11/4/2002	11:20 a.m.	1.03	86	173	2240	4.6	3.1	0.07	< 0.2	0.60
2/3/2003	10:21 a.m.	0.85	272	20	2420	4.0	3.1	0.01	< 0.3	0.63
5/12/2003	8:30 a.m.	1.92	97	143	2440	11.0	3.4	J 0.01	< 0.2	0.50
Ave. All		2.53	< 174	< 191	2171	7.4	2.9	< 0.03	< 0.3	< 0.80
Winter		3.81	< 296	< 397	1792	5.0	3.7	0.03	< 0.2	0.72
Spring		3.05	81	53	2255	9.0	3.0	< 0.06	< 0.3	< 0.62
Summer		1.10	179	197	2313	9.7	1.8	0.02	0.3	1.00
Fall		2.72	108	115	2239	4.3	2.5	< 0.03	< 0.3	0.98
Season Ave		2.67	< 166	< 190	2150	7.0	2.7	< 0.03	< 0.3	< 0.83

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 907										
11/10/1998	8:20 a.m.	6.28	13.1	7.8	32.0	6.8	Not Done	9.4	90.3%	Not Done
1/6/1999	10:20 a.m.	4.80	11.1	8.0	4.8	2.4	Not Done	10.6	91.0%	481
1/28/1999	11:25 a.m.	Open	11.9	Not Done	Na	Na	Not Done	11.1	102.1%	37900
2/3/1999	11:40 a.m.	Flowing	10.4	8.0	Na	Na	Not Done	11.5	105.0%	1400
2/24/1999	9:40 a.m.	3.60	11.5	8.3	14.4	5.6	Not Done	10.9	101.7%	1439
5/11/1999	8:30 a.m.	3.38	15.9	8.0	21.6	7.2	159	10.7	108.8%	Na
5/25/1999	8:50 a.m.	2.83	18.6	7.9	36.0	9.6	159	9.1	98.8%	8700
8/10/1999	8:30 a.m.	1.44	19.8	8.1	44.0	16.0	Not Done	4.0	44.7%	20460
10/6/1999	1:30 p.m.	1.74	19.6	8.0	14.8	4.8	Not Done	3.2	74.7%	5794
11/2/1999	9:40 a.m.	1.50	13.5	8.0	12.6	4.0	Not Done	9.5	84.0%	1040
12/21/1999	1:37 p.m.	Flowing	9.9	8.2	6.0	4.0	Not Done	5.2	46.6%	Na
2/8/2000	9:45 a.m.	3.40	12.9	7.9	14.6	3.8	154	6.2	60.2%	5170
5/8/2000	9:15 a.m.	2.10	18.3	7.9	42.8	11.6	172	5.7	66.2%	10460
8/21/2000	8:55 a.m.	1.02	22.1	7.9	28.6	6.8	155	6.3	71.4%	39900
11/15/2000	11:00 a.m.	Flowing	10.2	7.8	8.6	3.4	160	8.2	83.9%	3873
2/7/2001	10:45 a.m.	2.72	13.0	7.7	8.0	2.8	185	9.2	85.7%	985
5/7/2001	9:10 a.m.	3.67	18.0	7.8	21.6	6.0	173	3.5	26.0%	6488
6/5/2001	2:45 p.m.	Flowing	18.7	8.4	15.8	4.0	186	4.7	49.5%	15530
8/6/2001	8:55 a.m.	1.23	20.0	8.0	14.4	4.4	165	2.7	35.0%	35400
11/8/2001	1:30 p.m.	3.08	17.0	7.9	7.9	2.8	178	3.4	35.4%	4884
2/4/2002	1:33 p.m.	3.44	11.5	8.0	14.2	4.2	184	5.2	48.1%	369
5/7/2002	2:30 p.m.	2.32	16.1	7.9	12.0	4.4	173	3.5	35.5%	19863
8/5/2002	9:26 a.m.	0.72	21.7	7.9	10.4	3.4	149	2.9	33.2%	14715
11/4/2002	11:20 a.m.	1.03	14.5	8.1	8.0	3.0	176	5.1	50.4%	8347
2/3/2003	10:21 a.m.	0.85	12.4	7.9	8.1	2.1	172	4.8	46.4%	4106
5/12/2003	8:30 a.m.	1.92	15.4	8.0	18.7	4.4	173	3.5	35.2%	12033
Ave. All		2.53	15.3	8.0	17.3	5.3	169	6.5	65.8%	11276
Winter		3.81	11.6	8.0	12.0	4.0	169	9.2	84.7%	7793
Spring		3.05	17.5	8.0	21.4	6.2	170	6.3	63.7%	12645
Summer		1.10	20.9	8.0	24.4	7.7	156	4.0	46.1%	27619
Fall		2.72	14.0	8.0	12.8	4.1	171	6.3	66.5%	4788
Season Ave		2.67	16.0	8.0	17.6	5.5	167	6.4	65.2%	13211

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 908										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	9:20 a.m.	Flowing	30	30	2160	7.5	2.6	< 0.02	0.3	0.91
8/10/1999	9:45 a.m.	Flowing	< 40	< 40	2510	5.0	0.3	< 0.25	< 0.3	0.33
10/6/1999	1:45 p.m.	Flowing	< 40	< 40	2380	2.6	2.0	Not Done	Not Done	Not Done
11/2/1999	10:10 a.m.	Flowing	180	< 40	2530	5.0	3.2	< 0.25	< 0.2	0.52
2/9/2000	10:30 a.m.	Flowing	74	< 40	2110	3.7	3.9	0.02	0.2	0.45
5/8/2000	10:30 a.m.	Flowing	327	419	2160	7.2	1.0	J 0.02	J 0.2	0.97
8/22/2000	8:25 a.m.	Flowing	175	52	2320	6.7	2.0	< 0.02	0.4	0.84
11/15/2000	11:30 a.m.	Flowing	110	< 40	2130	8.0	2.5	J 0.20	J 0.0	0.60
2/8/2001	11:35 a.m.	Flowing	3873	3609	1589	14.8	5.2	0.08	0.3	0.89
5/8/2001	11:11 a.m.	Flowing	132	148	2310	13.0	2.5	J 0.02	0.4	0.99
8/7/2001	9:34 a.m.	Flowing	135	256	2270	8.5	1.0	J 0.01	J 0.2	0.71
11/7/2001	11:07 a.m.	1.11	650	110	2040	4.7	2.7	0.02	0.4	1.60
2/5/2002	1:55 p.m.	2.81	< 20	52	2300	2.2	4.9	0.03	< 0.2	0.44
5/13/2002	11:14 a.m.	2.89	369	173	2290	10.5	2.1	J 0.01	< 0.2	0.57
8/6/2002	10:30 a.m.	Flowing	704	240	2120	11.1	2.7	J 0.02	0.3	0.55
11/5/2002	11:30 a.m.	Flowing	295	98	1959	3.7	2.9	< 0.02	J 0.2	0.62
2/4/2003	9:16 a.m.	Flowing	41	41	2330	3.0	3.4	0.01	< 0.3	0.79
5/13/2003	10:28	Flowing	160	118	2430	13.2	4.0	J 0.01	< 0.2	J 0.20
Ave. All		2.27	< 409	< 308	2219	7.2	2.7	< 0.06	< 0.2	0.70
Winter		2.81	1322	< 1234	2000	6.9	4.7	0.04	< 0.2	0.59
Spring		2.89	215	193	2230	9.6	2.1	< 0.02	< 0.3	0.86
Summer		Flowing	< 264	< 147	2305	7.8	1.5	< 0.07	< 0.3	0.61
Fall		1.11	< 255	< 66	2208	4.8	2.7	< 0.12	< 0.2	0.84
Season Ave		2.27	< 514	< 410	2186	7.3	2.7	< 0.06	< 0.2	0.72

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 908										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	9:20 a.m.	Flowing	18.5	8.0	14.0	5.2	150	10.3	114.3%	3640
8/10/1999	9:45 a.m.	Flowing	20.0	8.1	17.0	8.0	147	10.9	120.4%	12030
10/6/1999	1:45 p.m.	Flowing	19.6	8.1	11.2	4.4	Not Done	6.7	73.6%	9208
11/2/1999	10:10 a.m.	Flowing	13.0	8.1	12.6	3.8	Not Done	10.3	101.6%	1780
2/9/2000	10:30 a.m.	Flowing	13.5	8.1	10.0	3.6	176	2.8	27.4%	2400
5/8/2000	10:30 a.m.	Flowing	18.3	7.9	18.0	6.8	171	6.6	70.7%	15530
8/22/2000	8:25 a.m.	Flowing	20.9	7.9	16.6	5.2	171	5.6	62.5%	31800
11/15/2000	11:30 a.m.	Flowing	10.9	7.7	17.2	4.2	158	8.9	85.0%	9208
2/8/2001	11:35 a.m.	Flowing	9.7	8.1	16.2	5.0	123	10.9	100.6%	18300
5/8/2001	11:11 a.m.	Flowing	19.2	8.0	28.0	7.0	170	3.4	36.3%	17329
8/7/2001	9:34 a.m.	Flowing	21.3	8.0	11.2	3.6	161	3.2	36.2%	22100
11/7/2001	11:07 a.m.	1.11	17.3	7.9	8.4	2.6	156	4.2	44.8%	24600
2/5/2002	1:55 p.m.	2.81	10.8	8.2	5.2	2.2	180	6.1	55.8%	419
5/13/2002	11:14 a.m.	2.89	18.4	8.0	13.0	4.2	167	3.2	35.0%	19823
8/6/2002	10:30 a.m.	Flowing	21.1	7.9	15.8	3.8	149	2.6	29.1%	30100
11/5/2002	11:30 a.m.	Flowing	14.3	8.0	5.6	2.2	153	7.6	74.8%	8632
2/4/2003	9:16 a.m.	Flowing	9.7	8.0	4.7	1.6	171	5.7	50.8%	2400
5/13/2003	10:28	Flowing	18.2	8.1	22.5	4.7	177	4.5	47.8%	15531
Ave. All		2.27	16.4	8.0	13.7	4.3	161	6.3	64.8%	13602
Winter		2.81	11.3	8.1	10.5	3.6	160	6.6	61.3%	7040
Spring		2.89	18.6	8.0	18.3	5.8	164	5.9	64.1%	14081
Summer		Flowing	20.8	8.0	15.2	5.2	157	5.6	62.1%	24008
Fall		1.11	15.0	8.0	11.0	3.4	156	7.6	76.0%	10686
Season Ave		2.27	16.4	8.0	13.7	4.5	159	6.4	65.8%	13953

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-JV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 908										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	9:20 a.m.	Flowing	0.10	0.05	Na	Na	1356	Not Done	Not Done	< 0.1
8/10/1999	9:45 a.m.	Flowing	0.45	< 0.10	Na	Na	1368	Not Done	Not Done	1.2
10/6/1999	1:45 p.m.	Flowing	Not Done	Not Done	Na	Na	1368	164	1204	< 0.1
11/2/1999	10:10 a.m.	Flowing	0.13	0.12	Na	Na	1476	192	1284	< 0.1
2/9/2000	10:30 a.m.	Flowing	0.21	0.15	Na	Na	1412	200	1212	< 0.1
5/8/2000	10:30 a.m.	Flowing	0.21	0.15	Na	3.5	1404	92	1312	1.1
8/22/2000	8:25 a.m.	Flowing	0.20	0.10	Na	3.8	1578	133	1445	2.2
11/15/2000	11:30 a.m.	Flowing	0.20	0.16	Na	4.3	1345	153	1192	2.2
2/8/2001	11:35 a.m.	Flowing	0.19	0.28	Na	16.2	975	110	865	2.2
5/8/2001	11:11 a.m.	Flowing	0.20	0.18	Na	4.6	1608	268	1340	2.3
8/7/2001	9:34 a.m.	Flowing	0.10	0.10	Na	2.7	1380	160	1220	0.7
11/7/2001	11:07 a.m.	1.11	0.13	0.11	Na	9.2	1338	115	1223	2.7
2/5/2002	1:55 p.m.	2.81	0.12	0.09	Na	3.6	1478	180	1298	2.6
5/13/2002	11:14 a.m.	2.89	0.12	0.09	< 0.1	3.0	1502	188	1314	0.7
8/6/2002	10:30 a.m.	Flowing	0.16	0.08	< 0.1	1.8	1395	128	1268	0.7
11/5/2002	11:30 a.m.	Flowing	0.08	0.14	< 0.1	3.3	1224	166	1058	0.7
2/4/2003	9:16 a.m.	Flowing	0.02	0.10	< 0.1	3.5	1506	202	1304	0.7
5/13/2003	10:28	Flowing	0.17	0.16	< 0.1	4.8	1712	360	1352	0.8
Ave. All		2.27	0.16	< 0.13	< 0.1	4.9	1413	176	1243	< 1.2
Winter		2.81	0.17	0.17	Na	9.9	1288	163	1125	< 1.6
Spring		2.89	0.16	0.12	< 0.1	3.7	1468	183	1322	< 1.0
Summer		Flowing	0.23	< 0.09	< 0.1	2.8	1430	140	1311	1.2
Fall		1.11	0.13	0.13	< 0.1	5.6	1350	158	1192	< 1.2
Season Ave		2.27	0.17	< 0.13	< 0.1	5.5	1384	161	1238	< 1.3

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 908										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	9:20 a.m.	Flowing	353	372	244	3.6	83	103	601	250
8/10/1999	9:45 a.m.	Flowing	359	376	264	4.5	78	99	568	245
10/6/1999	1:45 p.m.	Flowing	321	254	248	4.6	79	112	605	Not Done
11/2/1999	10:10 a.m.	Flowing	349	372	242	4.3	79	122	632	Not Done
2/9/2000	10:30 a.m.	Flowing	335	335	238	5.0	83	126	656	294
5/8/2000	10:30 a.m.	Flowing	353	374	242	4.6	78	107	590	285
8/22/2000	8:25 a.m.	Flowing	401	384	275	6.9	87	132	689	285
11/15/2000	11:30 a.m.	Flowing	361	317	215	4.4	79	133	657	264
2/8/2001	11:35 a.m.	Flowing	225	221	175	4.5	54	85	435	205
5/8/2001	11:11 a.m.	Flowing	394	394	252	5.3	87	123	667	283
8/7/2001	9:34 a.m.	Flowing	390	426	254	4.2	81	106	597	268
11/7/2001	11:07 a.m.	1.11	313	339	216	5.5	73	126	615	261
2/5/2002	1:55 p.m.	2.81	374	381	269	5.3	95	148	759	300
5/13/2002	11:14 a.m.	2.89	371	413	258	2.7	86	132	686	278
8/6/2002	10:30 a.m.	Flowing	347	399	262	3.2	82	114	622	249
11/5/2002	11:30 a.m.	Flowing	323	347	207	4.3	68	107	549	255
2/4/2003	9:16 a.m.	Flowing	389	399	247	3.7	89	126	680	286
5/13/2003	10:28	Flowing	369	436	254	3.9	93	136	724	295
Ave. All		2.27	352	363	242	4.5	81	119	630	269
Winter		2.81	311	312	227	4.9	77	120	617	266
Spring		2.89	368	388	249	4.1	84	116	636	274
Summer		Flowing	374	396	264	4.7	82	113	619	262
Fall		1.11	333	326	226	4.6	76	120	612	260
Season Ave		2.27	347	356	241	4.6	80	117	621	266

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 909										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	11:27 a.m.	Flowing	9.3	8.0	2.2	1.8	Not Done	13.6	118.7%	959
2/3/1999	12:00 p.m.	Flowing	10.3	8.3	Na	Na	Not Done	8.5	77.3%	432
2/24/1999	7:30 a.m.	Flowing	10.1	8.6	8.0	5.2	Not Done	8.8	78.5%	1017
5/25/1999	9:45 a.m.	Flowing	18.5	8.1	6.4	3.6	161	10.2	116.1%	Na
8/10/1999	10:05 a.m.	Flowing	20.0	8.2	13.0	5.0	147	12.5	137.5%	6130
10/6/1999	2:05 p.m.	Flowing	20.1	8.6	7.2	3.6	Not Done	5.3	57.4%	12030
11/2/1999	10:30 a.m.	Flowing	11.6	8.4	6.8	2.6	Not Done	12.4	115.0%	3282
12/21/1999	1:05 p.m.	Flowing	10.0	8.4	3.5	2.5	Not Done	8.2	76.4%	1110
2/9/2000	11:00 a.m.	Flowing	14.7	8.6	6.8	3.2	Not Done	3.3	31.8%	650
5/8/2000	11:00 a.m.	Flowing	18.2	8.3	8.4	4.8	160	8.2	88.0%	5480
8/22/2000	11:10 a.m.	Flowing	21.2	8.4	10.6	4.2	184	9.6	109.3%	14800
11/15/2000	12:00 p.m.	1.98	10.5	8.3	38.0	3.4	169	10.2	91.6%	6131
2/8/2001	11:55 a.m.	Flowing	9.8	8.0	14.4	4.4	57	11.0	98.1%	15600
5/8/2001	11:39 a.m.	Flowing	19.7	8.4	8.8	3.2	162	5.1	67.4%	3780
6/5/2001	1:40 p.m.	Flowing	20.6	8.0	12.0	2.8	187	6.4	67.6%	15530
8/7/2001	10:02 a.m.	Flowing	22.4	8.3	20.8	4.6	165	2.7	39.6%	18500
11/7/2001	12:05 p.m.	1.70	17.3	8.3	12.2	2.4	186	4.0	42.4%	2110
2/5/2002	10:45 a.m.	2.59	10.5	8.4	2.6	1.8	174	4.8	43.5%	233
5/7/2002	1:10 p.m.	3.10	16.6	8.3	2.0	2.0	149	3.3	34.1%	14136
8/5/2002	11:05 a.m.	1.26	21.5	8.3	0.6	0.4	141	3.5	34.9%	13068
11/5/2002	11:00 a.m.	1.05	13.4	8.3	5.0	2.0	153	7.9	75.8%	9300
2/4/2003	8:45 a.m.	1.06	9.5	8.3	1.9	0.9	167	5.4	48.3%	2602
5/13/2003	9:20 a.m.	1.90	17.9	8.4	1.4	0.9	170	4.9	65.1%	5172
Ave. All		1.83	15.4	8.3	8.8	3.0	158	7.4	74.5%	6911
Winter		Flowing	10.7	8.3	7.0	3.4	57	8.9	80.1%	3295
Spring		3.10	18.7	8.2	7.5	3.3	164	6.6	74.6%	9732
Summer		1.26	21.3	8.3	11.3	3.6	160	7.1	80.3%	13125
Fall		1.58	14.6	8.4	13.8	2.8	169	7.9	76.4%	6571
Season Ave		1.98	16.3	8.3	9.9	3.3	137	7.6	77.9%	8180

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 909										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	11:27 a.m.	Flowing	< 10	< 10	1299	Not Done	8.3	0.01	< 0.2	1.16
2/3/1999	12:00 p.m.	Flowing	60	< 10	1232	Not Done	5.6	0.02	0.2	0.77
2/24/1999	7:30 a.m.	Flowing	98	20	2140	1.1	7.3	0.06	< 0.2	0.30
5/25/1999	9:45 a.m.	Flowing	Na	Na			5.6	< 0.25	< 0.3	0.87
8/10/1999	10:05 a.m.	Flowing	< 30	< 30	1973	0.6	2.7	< 0.25	< 0.3	0.26
10/6/1999	2:05 p.m.	Flowing	< 40	< 40	2510	5.0	3.5	Not Done	Not Done	Not Done
11/2/1999	10:30 a.m.	Flowing	< 40	< 40	1981	0.8	6.1	0.02	0.3	0.72
12/21/1999	1:05 p.m.	Flowing	< 40	< 40	2290	0.8	Not Done	Not Done	0.1	0.86
2/9/2000	11:00 a.m.	Flowing	41	< 40	1921	1.7	7.5	0.02	0.2	0.51
5/8/2000	11:00 a.m.	Flowing	< 40	108	1911	0.7	3.1	0.02	J 0.1	0.57
8/22/2000	11:10 a.m.	Flowing	41	< 40	1994	1.6	2.6	0.19	0.4	0.84
11/15/2000	12:00 p.m.	1.98	< 40	< 40	1887	6.0	6.0	J 0.01	0.3	0.46
2/8/2001	11:55 a.m.	Flowing	4611	6131	641	31.4	3.0	0.08	0.4	0.99
5/8/2001	11:39 a.m.	Flowing	41	< 10	2030	2.0	4.4	J 0.01	0.8	1.30
6/5/2001	1:40 p.m.	Flowing	86	< 20	2290	8.3	6.2	J 0.02	0.3	0.51
8/7/2001	10:02 a.m.	Flowing	63	120	1763	16.0	3.1	J 0.02	J 0.1	0.71
11/7/2001	12:05 p.m.	1.70	175	< 20	1975	2.7	4.5	0.03	0.3	1.10
2/5/2002	10:45 a.m.	2.59	< 20	< 20	2000	0.6	7.0	0.03	< 0.2	0.60
5/7/2002	1:10 p.m.	3.10	41	85	1867	1.7	6.6	J 0.02	< 0.2	0.44
8/5/2002	11:05 a.m.	1.26	20	41	1811	1.6	4.0	0.02	< 0.2	0.65
11/5/2002	11:00 a.m.	1.05	20	52	1729	5.0	3.9	< 0.02	J 0.1	0.50
2/4/2003	8:45 a.m.	1.06	10	10	1897	1.5	6.0	0.01	0.4	0.59
5/13/2003	9:20 a.m.	1.90	119	52	2070	1.2	6.1	J 0.02	< 0.2	< 0.20
Ave. All		1.83	< 258	< 317	1873	4.5	5.1	< 0.05	< 0.3	0.68
Winter		Flowing	< 810	< 1042	1587	8.8	6.3	0.04	< 0.2	0.77
Spring		3.10	52	< 56	2025	3.2	5.2	< 0.06	< 0.3	0.74
Summer		1.26	< 39	< 58	1885	4.9	3.1	< 0.12	< 0.2	0.62
Fall		1.58	< 63	< 38	2016	3.9	4.8	0.02	0.3	0.70
Season Ave		1.98	< 241	< 298	1878	5.2	4.9	< 0.06	< 0.3	0.70

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-JV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 909										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	11:27 a.m.	Flowing	0.21	< 0.10	Na	Na	1264	Not Done	Not Done	0.7
2/3/1999	12:00 p.m.	Flowing	0.20	0.14	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	7:30 a.m.	Flowing	0.08	0.06	Na	Na	852	Not Done	Not Done	1.1
5/25/1999	9:45 a.m.	Flowing	Not Done	< 0.20	Na	Na	1196	Not Done	Not Done	< 0.1
8/10/1999	10:05 a.m.	Flowing	0.07	< 0.10	Na	Na	1160	Not Done	Not Done	1.2
10/6/1999	2:05 p.m.	Flowing	Not Done	Not Done	Na	Na	1120	128	992	< 0.1
11/2/1999	10:30 a.m.	Flowing	0.08	0.08	Na	Na	1224	120	1104	0.9
12/21/1999	1:05 p.m.	Flowing	0.10	Not Done	Na	Na	1298	149	1149	Not Done
2/9/2000	11:00 a.m.	Flowing	0.42	0.11	Na	Na	1272	132	1140	0.7
5/8/2000	11:00 a.m.	Flowing	< 0.10	0.06	Na	4.9	1344	80	1264	1.0
8/22/2000	11:10 a.m.	Flowing	0.20	0.13	Na	4.2	1300	98	1203	2.1
11/15/2000	12:00 p.m.	1.98	0.20	0.12	< 0.1	1.2	1218	130	1088	2.2
2/8/2001	11:55 a.m.	Flowing	0.10	0.13	0.3	6.3	385	40	345	1.4
5/8/2001	11:39 a.m.	Flowing	0.10	0.08	< 0.1	5.1	1263	128	1135	1.5
6/5/2001	1:40 p.m.	Flowing	0.10	0.12	Na	4.3	1318	150	1168	1.5
8/7/2001	10:02 a.m.	Flowing	J 0.03	J 0.02	< 0.1	4.5	1263	158	1105	0.7
11/7/2001	12:05 p.m.	1.70	0.10	0.09	0.7	2.0	1292	100	1192	2.3
2/5/2002	10:45 a.m.	2.59	J 0.08	0.05	Na	1.6	1258	140	1118	2.1
5/7/2002	1:10 p.m.	3.10	J 0.10	0.08	Na	4.9	1213	Na	Na	0.6
8/5/2002	11:05 a.m.	1.26	J 0.07	0.02	< 0.1	3.6	1165	133	1033	0.6
11/5/2002	11:00 a.m.	1.05	J 0.05	0.10	< 0.1	3.2	1076	186	890	0.7
2/4/2003	8:45 a.m.	1.06	0.03	0.07	< 0.1	1.8	1195	138	1057	0.7
5/13/2003	9:20 a.m.	1.90	< 0.10	0.02	< 0.1	4.3	1440	288	1152	0.7
Ave. All		1.83	< 0.12	< 0.09	< 0.2	3.7	1187	135	1067	< 1.1
Winter		Flowing	0.19	< 0.11	0.3	6.3	1014	107	878	1.0
Spring		3.10	< 0.10	< 0.11	< 0.1	4.8	1267	119	1189	< 0.9
Summer		1.26	0.09	< 0.07	0.1	4.1	1222	129	1113	1.1
Fall		1.58	0.11	0.10	< 0.3	2.1	1186	133	1053	< 1.2
Season Ave		1.98	< 0.12	< 0.10	< 0.2	4.3	1172	122	1058	< 1.1

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 909										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	11:27 a.m.	Flowing	302	329	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/3/1999	12:00 p.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	7:30 a.m.	Flowing	285	307	244	8.0	62	99	504	Not Done
5/25/1999	9:45 a.m.	Flowing	296	318	228	4.0	73	90	527	269
8/10/1999	10:05 a.m.	Flowing	359	376	264	4.5	78	99	568	245
10/6/1999	2:05 p.m.	Flowing	243	276	227	4.3	64	89	486	Not Done
11/2/1999	10:30 a.m.	Flowing	263	293	224	4.4	67	100	526	Not Done
12/21/1999	1:05 p.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/9/2000	11:00 a.m.	Flowing	276	304	233	5.0	75	105	571	Not Done
5/8/2000	11:00 a.m.	Flowing	284	324	224	4.5	67	83	481	267
8/22/2000	11:10 a.m.	Flowing	289	313	239	5.9	72	100	544	307
11/15/2000	12:00 p.m.	1.98	255	300	207	4.3	72	109	569	282
2/8/2001	11:55 a.m.	Flowing	73	84	65	2.8	21	39	184	95
5/8/2001	11:39 a.m.	Flowing	298	327	228	4.0	77	95	552	270
6/5/2001	1:40 p.m.	Flowing	298	327	226	4.6	77	105	578	312
8/7/2001	10:02 a.m.	Flowing	308	351	235	4.3	69	85	500	276
11/7/2001	12:05 p.m.	1.70	277	308	223	4.0	72	109	570	311
2/5/2002	10:45 a.m.	2.59	280	326	242	4.8	81	120	632	290
5/7/2002	1:10 p.m.	3.10	268	326	234	3.1	71	94	529	249
8/5/2002	11:05 a.m.	1.26	254	315	225	3.0	68	81	483	236
11/5/2002	11:00 a.m.	1.05	246	299	192	3.9	60	87	465	255
2/4/2003	8:45 a.m.	1.06	270	326	214	3.6	73	100	548	278
5/13/2003	9:20 a.m.	1.90	294	371	221	3.4	81	103	591	283
Ave. All		1.83	272	310	220	4.3	69	95	520	264
Winter		Flowing	234	256	181	5.3	53	81	419	95
Spring		3.10	289	324	228	4.0	73	93	533	273
Summer		1.26	303	339	241	4.4	72	91	524	266
Fall		1.58	257	295	215	4.2	67	99	523	283
Season Ave		1.98	271	304	216	4.5	66	91	500	229

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 910										
11/10/1998	9:30 a.m.	3.20	12.8	8.3	6.0	2.4	Not Done	13.4	127.6%	Not Done
1/6/1999	12:05 p.m.	2.60	11.2	8.4	5.2	2.8	Not Done	14.4	136.6%	1616
2/24/1999	10:20 a.m.	3.60	12.0	8.7	10.0	4.8	Not Done	16.4	153.0%	990
5/11/1999	9:00 a.m.	3.85	15.8	8.4	6.0	4.4	167	15.3	153.3%	Not Done
5/25/1999	10:15 a.m.	Flowing	18.6	8.3	4.4	2.8	Not Done	12.9	137.5%	4350
8/10/1999	9:43 a.m.	2.06	20.5	8.5	32.0	14.0	Not Done	5.7	59.9%	8160
10/7/1999	7:55 a.m.	1.85	15.1	8.3	8.0	3.2	Not Done	3.6	35.9%	4890
11/2/1999	11:10 a.m.	2.00	12.8	8.5	6.6	3.0	Not Done	11.2	106.4%	2920
2/8/2000	10:45 a.m.	2.70	13.4	8.5	2.8	1.2	178	5.2	48.1%	1920
5/8/2000	11:15 a.m.	3.10	18.6	8.4	9.2	4.8	156	8.8	93.6%	5480
8/21/2000	11:00 a.m.	1.61	22.6	8.3	13.2	5.4	156	8.4	101.5%	28800
11/13/2000	12:40 p.m.	3.63	11.4	8.1	3.0	1.3	156	11.1	102.4%	17329
2/7/2001	12:10 p.m.	3.46	13.0	8.3	11.0	3.6	188	10.8	100.3%	1334
5/7/2001	10:40 a.m.	3.90	18.7	8.3	7.6	3.4	188	5.1	57.1%	2850
6/5/2001	12:30 p.m.	Flowing	20.3	8.4	6.2	2.8	192	6.5	72.3%	17300
8/6/2001	9:56 a.m.	2.87	20.9	8.4	3.6	2.2	176	4.1	46.0%	10800
11/8/2001	12:40 a.m.	2.92	17.3	8.4	6.0	2.6	198	5.4	53.8%	12997
2/4/2002	12:22 p.m.	3.98	16.3	8.4	2.0	1.4	188	6.9	70.7%	591
5/7/2002	12:10 p.m.	2.82	16.4	8.3	1.6	1.6	179	3.1	31.2%	7230
8/5/2002	12:33 p.m.	0.91	24.0	8.5	1.6	1.2	172	3.8	47.3%	20746
11/4/2002	10:50 a.m.	0.75	13.0	8.4	1.8	1.4	192	6.7	65.5%	5483
2/3/2003	9:40 a.m.	0.97	11.7	8.2	1.6	1.0	167	5.8	53.9%	1989
5/12/2003	10:00 a.m.	1.36	16.3	8.4	0.9	0.8	188	4.4	45.1%	5172
Ave. All		2.58	16.2	8.4	6.5	3.1	178	8.2	82.6%	7759
Winter		3.27	13.2	8.5	6.2	2.8	184	10.7	101.7%	1290
Spring		3.42	18.1	8.3	5.8	3.3	176	8.6	90.8%	7442
Summer		1.86	22.0	8.4	12.6	5.7	168	5.5	63.7%	17127
Fall		2.39	13.7	8.3	5.2	2.3	182	8.6	81.9%	8724
Season Ave		2.74	16.7	8.4	7.5	3.5	178	8.3	84.5%	8646

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 910										
11/10/1998	9:30 a.m.	3.20	Not Done	Not Done	1142	Not Done	6.1	< 0.02	0.4	1.90
1/6/1999	12:05 p.m.	2.60	98	30	1371	Not Done	9.0	0.01	< 0.2	0.36
2/24/1999	10:20 a.m.	3.60	73	31	2070	2.0	7.8	0.05	0.2	0.92
5/11/1999	9:00 a.m.	3.85	Not Done	Not Done	Not Done	Not Done	5.9	0.03	< 0.2	< 0.20
5/25/1999	10:15 a.m.	Flowing	63	16	1983	0.8	6.2	< 0.25	< 0.3	0.57
8/10/1999	9:43 a.m.	2.06	< 50	< 40	2000	1.0	3.1	0.03	0.5	1.20
10/7/1999	7:55 a.m.	1.85	135	< 40	2100	1.9	4.6	Not Done	Not Done	Not Done
11/2/1999	11:10 a.m.	2.00	109	< 40	2230	1.1	6.2	0.02	0.2	0.50
2/8/2000	10:45 a.m.	2.70	< 40	< 40	1921	0.6	6.8	0.02	0.4	0.95
5/8/2000	11:15 a.m.	3.10	63	41	1902	0.8	3.6	0.02	J 0.1	0.62
8/21/2000	11:00 a.m.	1.61	< 40	74	1950	2.1	4.6	0.03	0.3	0.58
11/13/2000	12:40 p.m.	3.63	275	73	1647	0.9	5.7	0.03	< 0.2	0.49
2/7/2001	12:10 p.m.	3.46	52	< 40	2020	2.3	8.0	0.04	0.1	0.40
5/7/2001	10:40 a.m.	3.90	86	10	2100	0.6	5.4	J 0.02	J 0.1	0.46
6/5/2001	12:30 p.m.	Flowing	41	122	2010	1.2	7.0	J 0.02	0.6	0.92
8/6/2001	9:56 a.m.	2.87	20	63	2010	0.9	3.8	0.02	0.3	1.00
11/8/2001	12:40 a.m.	2.92	132	< 20	1990	1.5	5.7	J 0.02	0.4	1.30
2/4/2002	12:22 p.m.	3.98	31	< 20	1990	1.1	8.0	J 0.02	< 0.2	0.62
5/7/2002	12:10 p.m.	2.82	74	63	1930	0.9	8.3	0.02	< 0.2	0.49
8/5/2002	12:33 p.m.	0.91	85	86	1903	1.7	6.1	0.03	< 0.2	0.77
11/4/2002	10:50 a.m.	0.75	10	31	1985	0.8	7.2	0.07	J 0.1	0.44
2/3/2003	9:40 a.m.	0.97	31	30	1980	0.8	8.1	0.02	< 0.3	1.10
5/12/2003	10:00 a.m.	1.36	74	41	2090	1.1	6.8	0.02	< 0.2	0.50
Ave. All		2.58	< 75	< 45	1924	1.2	6.3	< 0.04	< 0.3	< 0.74
Winter		3.27	< 59	< 32	1874	1.5	7.9	0.03	< 0.2	0.65
Spring		3.42	65	50	1985	0.9	6.1	< 0.06	< 0.2	< 0.54
Summer		1.86	< 49	< 66	1966	1.4	4.4	0.03	0.3	0.89
Fall		2.39	132	< 41	1849	1.2	5.9	< 0.03	< 0.3	0.93
Season Ave		2.74	< 76	< 47	1919	1.3	6.1	< 0.04	< 0.3	< 0.75

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 910										
11/10/1998	9:30 a.m.	3.20	0.22	0.22	Na	Na	800	Not Done	Not Done	< 0.1
1/6/1999	12:05 p.m.	2.60	0.29	< 0.10	Na	Na	1260	Not Done	Not Done	0.6
2/24/1999	10:20 a.m.	3.60	0.10	0.05	Na	Na	1312	Not Done	Not Done	0.8
5/11/1999	9:00 a.m.	3.85	0.20	0.12	Na	Na	1188	Not Done	Not Done	< 0.1
5/25/1999	10:15 a.m.	Flowing	Not Done	< 0.20	Na	Na	1212	Not Done	Not Done	Not Done
8/10/1999	9:43 a.m.	2.06	0.02	0.02	Na	Na	1200	Not Done	Not Done	< 0.1
10/7/1999	7:55 a.m.	1.85	Not Done	Not Done	Na	Na	1220	144	1076	1.0
11/2/1999	11:10 a.m.	2.00	0.10	0.09	Na	Na	1244	132	1112	< 0.1
2/8/2000	10:45 a.m.	2.70	0.10	0.11	Na	Na	1264	156	1108	< 0.1
5/8/2000	11:15 a.m.	3.10	< 0.10	0.07	Na	5.0	1228	70	1158	< 1.0
8/21/2000	11:00 a.m.	1.61	0.27	0.23	Na	3.4	1244	144	1100	1.9
11/13/2000	12:40 p.m.	3.63	0.14	0.14	Na	< 1.0	1045	158	887	0.5
2/7/2001	12:10 p.m.	3.46	0.10	0.11	Na	2.0	1308	158	1150	1.9
5/7/2001	10:40 a.m.	3.90	0.20	0.15	< 0.1	1.9	1313	145	1168	2.1
6/5/2001	12:30 p.m.	Flowing	0.10	0.13	Na	2.1	1328	160	1168	1.6
8/6/2001	9:56 a.m.	2.87	J 0.02	< 0.02	< 0.1	5.1	1340	178	1163	0.7
11/8/2001	12:40 a.m.	2.92	0.15	0.13	0.6	2.2	1278	145	1133	2.0
2/4/2002	12:22 p.m.	3.98	J 0.10	0.07	< 0.1	1.1	1283	143	1140	1.8
5/7/2002	12:10 p.m.	2.82	0.11	0.09	Na	3.0	1282	Na	Na	0.6
8/5/2002	12:33 p.m.	0.91	0.12	< 0.02	< 0.1	4.8	1245	130	1115	0.6
11/4/2002	10:50 a.m.	0.75	J 0.07	0.17	< 0.1	2.4	1307	223	1084	0.5
2/3/2003	9:40 a.m.	0.97	0.04	0.12	< 0.1	1.9	1264	164	1100	0.6
5/12/2003	10:00 a.m.	1.36	J 0.08	0.08	< 0.1	4.0	1472	292	1180	0.8
Ave. All										
Winter		2.58	< 0.13	< 0.11	0.2	< 2.9	1245	159	1115	< 0.9
Spring		3.27	0.14	< 0.09	0.1	1.6	1285	152	1133	< 1.0
Summer		3.42	< 0.14	< 0.13	< 0.1	3.0	1259	125	1165	< 1.1
Fall		1.86	0.11	0.07	0.1	4.4	1257	151	1126	< 0.8
Season Ave		2.39	0.14	0.15	0.4	< 1.9	1149	160	1058	< 0.7
		2.74	< 0.13	< 0.11	< 0.2	< 2.7	1238	147	1120	< 0.9

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 910										
11/10/1998	9:30 a.m.	3.20	220	271	174	4.4	54	95	460	Not Done
1/6/1999	12:05 p.m.	2.60	294	331	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	10:20 a.m.	3.60	275	303	230	4.6	62	108	525	Not Done
5/11/1999	9:00 a.m.	3.85	287	317	230	3.9	74	91	531	279
5/25/1999	10:15 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
8/10/1999	9:43 a.m.	2.06	282	313	246	3.9	70	84	498	Not Done
10/7/1999	7:55 a.m.	1.85	260	298	229	4.9	69	93	518	Not Done
11/2/1999	11:10 a.m.	2.00	268	304	230	4.3	68	96	519	Not Done
2/8/2000	10:45 a.m.	2.70	271	307	225	4.6	77	99	565	296
5/8/2000	11:15 a.m.	3.10	281	327	223	4.2	67	79	471	260
8/21/2000	11:00 a.m.	1.61	290	318	249	6.5	72	100	549	260
11/13/2000	12:40 p.m.	3.63	219	262	167	4.9	59	91	470	260
2/7/2001	12:10 p.m.	3.46	268	322	227	3.7	79	115	612	314
5/7/2001	10:40 a.m.	3.90	311	341	219	4.3	76	109	586	314
6/5/2001	12:30 p.m.	Flowing	289	326	220	4.3	76	109	586	321
8/6/2001	9:56 a.m.	2.87	311	348	237	4.2	72	92	526	294
11/8/2001	12:40 a.m.	2.92	276	323	225	3.2	75	113	592	331
2/4/2002	12:22 p.m.	3.98	274	328	224	3.0	76	118	606	313
5/7/2002	12:10 p.m.	2.82	257	316	234	2.7	77	103	576	298
8/5/2002	12:33 p.m.	0.91	274	340	231	2.4	75	94	544	287
11/4/2002	10:50 a.m.	0.75	313	360	224	3.4	75	108	580	320
2/3/2003	9:40 a.m.	0.97	283	338	219	3.4	77	100	568	279
5/12/2003	10:00 a.m.	1.36	284	373	228	4.9	81	114	619	314
Ave. All		2.58	277	321	223	4.1	72	101	548	296
Winter		3.27	276	318	227	4.0	73	110	577	308
Spring		3.42	285	325	225	3.9	74	98	550	294
Summer		1.86	289	330	241	4.2	72	93	529	280
Fall		2.39	259	303	208	4.2	67	100	523	304
Season Ave		2.74	277	319	225	4.1	72	100	545	297

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 911										
11/10/1998	10:00 a.m.	3.05	14.9	8.1	4.4	2.4	Not Done	11.5	115.7%	Not Done
1/6/1999	12:18 p.m.	2.60	10.9	8.2	4.8	2.4	Not Done	14.5	131.3%	884
2/24/1999	10:30 a.m.	4.00	12.7	8.6	5.2	3.6	Not Done	13.7	129.0%	1081
5/11/1999	10:00 a.m.	3.15	16.7	8.4	7.2	4.8	Na	15.9	162.8%	Not Done
5/25/1999	10:35 a.m.	Flowing	19.3	8.3	9.6	4.4	183	14.0	156.2%	4100
8/10/1999	10:15 a.m.	2.04	21.2	8.6	16.0	8.0	Na	11.2	127.7%	11200
10/7/1999	8:30 a.m.	1.59	15.9	8.3	8.8	3.6	Na	3.7	37.8%	11200
11/2/1999	11:25 a.m.	2.20	13.5	8.4	9.4	3.0	Na	9.5	91.7%	4610
2/8/2000	11:30 a.m.	2.20	13.8	8.5	4.2	1.8	194	9.7	100.0%	3080
5/8/2000	12:10 p.m.	2.75	19.3	8.4	7.2	4.8	178	9.5	103.6%	7270
8/21/2000	11:30 a.m.	2.05	23.5	8.2	23.4	7.8	171	8.5	99.5%	18500
11/13/2000	12:00 p.m.	2.71	11.0	8.1	3.8	1.4	164	10.8	101.3%	17329
2/7/2001	12:50 p.m.	2.74	13.0	8.4	2.8	1.6	156	10.8	93.5%	1904
5/7/2001	11:10 a.m.	3.78	20.8	8.4	5.0	2.8	146	4.7	52.9%	4570
8/6/2001	10:45 a.m.	2.72	23.1	8.5	10.6	4.2	193	4.3	53.8%	26200
11/8/2001	11:45 a.m.	3.76	17.6	8.3	18.8	5.8	180	5.6	59.4%	39900
2/4/2002	11:46 a.m.	2.31	10.8	8.4	3.4	1.8	164	6.8	101.9%	133
5/13/2002	12:15 p.m.	2.87	22.0	8.3	1.4	1.4	176	5.7	66.2%	12100
8/6/2002	9:45 a.m.	0.85	21.5	8.3	8.8	5.1	165	4.6	52.7%	38200
11/4/2002	10:10 a.m.	0.77	12.7	8.3	2.0	2.0	189	5.7	53.8%	12716
2/3/2003	9:21 a.m.	0.88	11.7	8.2	1.7	1.2	183	5.8	53.7%	3873
5/12/2003	11:00 a.m.	1.51	18.7	8.4	1.4	1.2	135	4.1	44.8%	307600
Ave. All		2.41	16.6	8.3	7.3	3.4	172	8.7	90.4%	26323
Winter		2.77	12.2	8.4	4.1	2.2	171	11.1	111.1%	1416
Spring		3.14	19.6	8.4	6.1	3.6	171	10.0	108.3%	7010
Summer		1.92	22.3	8.4	14.7	6.3	176	7.2	83.4%	23525
Fall		2.35	14.3	8.2	7.9	3.0	177	7.8	76.6%	17151
Season Ave		2.54	17.1	8.3	8.2	3.8	174	9.0	94.9%	12276

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 911										
11/10/1998	10:00 a.m.	3.05	Not Done	Not Done	1327	Not Done	7.2	< 0.02	0.6	1.90
1/6/1999	12:18 p.m.	2.60	73	< 10	1324	Not Done	9.0	0.02	< 0.2	0.38
2/24/1999	10:30 a.m.	4.00	278	41	2100	1.2	8.1	0.07	0.2	0.97
5/11/1999	10:00 a.m.	3.15	Not Done	Not Done	Na	Na	6.6	0.04	< 0.2	< 0.20
5/25/1999	10:35 a.m.	Flowing	52	30	2010	1.0	6.2	< 0.25	< 0.3	0.55
8/10/1999	10:15 a.m.	2.04	63	< 40	2010	1.3	0.4	0.06	0.8	1.40
10/7/1999	8:30 a.m.	1.59	109	< 40	2060	4.4	5.5	Not Done	Not Done	Not Done
11/2/1999	11:25 a.m.	2.20	98	63	2260	1.8	7.1	0.30	0.2	0.72
2/8/2000	11:30 a.m.	2.20	213	74	1942	0.8	7.6	0.05	0.4	1.10
5/8/2000	12:10 p.m.	2.75	84	< 40	1941	0.6	4.7	0.04	J 0.1	1.10
8/21/2000	11:30 a.m.	2.05	41	164	1977	1.9	5.5	0.17	0.3	0.79
11/13/2000	12:00 p.m.	2.71	285	52	1738	0.9	6.8	0.07	J 0.1	0.53
2/7/2001	12:50 p.m.	2.74	243	399	1935	1.0	9.6	0.05	0.1	0.53
5/7/2001	11:10 a.m.	3.78	52	10	2010	0.7	5.6	0.04	< 0.2	0.80
8/6/2001	10:45 a.m.	2.72	< 20	51	2000	3.3	4.8	0.04	0.3	1.40
11/8/2001	11:45 a.m.	3.76	160	20	1947	5.8	6.0	0.03	< 0.2	0.98
2/4/2002	11:46 a.m.	2.31	52	< 20	1940	1.0	7.4	0.04	< 0.2	< 0.20
5/13/2002	12:15 p.m.	2.87	74	< 20	1961	0.9	6.7	0.04	< 0.2	0.56
8/6/2002	9:45 a.m.	0.85	10	52	1819	3.6	6.4	0.05	0.2	0.83
11/4/2002	10:10 a.m.	0.77	98	20	1973	1.3	7.3	< 0.02	< 0.2	0.59
2/3/2003	9:21 a.m.	0.88	41	< 20	1993	0.9	7.1	0.04	< 0.3	1.20
5/12/2003	11:00 a.m.	1.51	17000	12997	1990	1.8	6.6	0.05	< 0.2	0.20
Ave. All		2.41	952	< 708	1917	1.8	6.5	< 0.07	< 0.3	< 0.81
Winter		2.77	172	< 109	1848	1.0	8.3	0.05	< 0.2	< 0.64
Spring		3.14	66	< 25	1981	0.8	6.0	< 0.08	< 0.2	< 0.64
Summer		1.92	34	< 77	1952	2.5	4.3	0.08	0.4	1.11
Fall		2.35	150	< 39	1884	2.9	6.7	< 0.09	< 0.3	0.94
Season Ave		2.54	105	< 62	1916	1.8	6.3	< 0.07	< 0.3	< 0.83

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 911										
11/10/1998	10:00 a.m.	3.05	0.25	0.25	Na	Na	929	Not Done	Not Done	< 0.1
1/6/1999	12:18 p.m.	2.60	0.30	< 0.10	Na	Na	1256	Not Done	Not Done	0.6
2/24/1999	10:30 a.m.	4.00	0.07	0.07	Na	Na	1280	Not Done	Not Done	1.1
5/11/1999	10:00 a.m.	3.15	0.20	0.08	Na	Na	1228	Not Done	Not Done	Not Done
5/25/1999	10:35 a.m.	Flowing	Not Done	< 0.20	Na	Na	1228	Not Done	Not Done	< 0.1
8/10/1999	10:15 a.m.	2.04	0.04	0.02	Na	Na	1212	Not Done	Not Done	< 0.1
10/7/1999	8:30 a.m.	1.59	Not Done	Not Done	Na	Na	1228	152	1076	0.9
11/2/1999	11:25 a.m.	2.20	0.10	0.09	Na	Na	1272	156	1116	< 0.1
2/8/2000	11:30 a.m.	2.20	0.10	0.10	Na	Na	1284	164	1120	0.8
5/8/2000	12:10 p.m.	2.75	< 0.10	0.08	Na	2.5	1260	106	1154	1.0
8/21/2000	11:30 a.m.	2.05	0.26	0.20	Na	2.6	1264	144	1120	2.1
11/13/2000	12:00 p.m.	2.71	0.13	0.13	Na	1.3	1093	168	925	0.5
2/7/2001	12:50 p.m.	2.74	0.09	0.09	Na	1.6	1243	133	1110	2.2
5/7/2001	11:10 a.m.	3.78	J 0.09	0.09	Na	2.1	1235	145	1090	2.5
8/6/2001	10:45 a.m.	2.72	J 0.07	0.06	Na	5.5	1413	228	1185	0.7
11/8/2001	11:45 a.m.	3.76	0.13	0.12	Na	2.4	1775	132	1643	2.4
2/4/2002	11:46 a.m.	2.31	J 0.09	0.07	Na	1.1	1250	133	1117	2.4
5/13/2002	12:15 p.m.	2.87	J 0.03	0.03	0.2	3.1	1282	174	1108	0.6
8/6/2002	9:45 a.m.	0.85	J 0.09	0.09	< 0.1	4.1	1175	118	1058	0.8
11/4/2002	10:10 a.m.	0.77	J 0.06	0.13	< 0.1	1.9	1238	221	1017	0.8
2/3/2003	9:21 a.m.	0.88	0.04	0.10	< 0.1	1.9	1274	146	1128	0.6
5/12/2003	11:00 a.m.	1.51	0.11	0.10	< 0.1	4.4	1396	288	1108	0.7
Ave. All		2.41	< 0.12	< 0.10	< 0.1	2.7	1264	163	1130	< 1.0
Winter		2.77	0.13	< 0.09	Na	1.4	1263	143	1116	1.4
Spring		3.14	< 0.11	< 0.09	0.2	2.6	1247	142	1117	< 1.0
Summer		1.92	0.12	0.09	< 0.1	4.1	1266	163	1121	< 0.9
Fall		2.35	0.13	0.14	Na	1.9	1256	166	1155	< 0.8
Season Ave		2.54	< 0.12	< 0.10	< 0.1	2.5	1258	153	1127	< 1.0

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 911										
11/10/1998	10:00 a.m.	3.05	234	286	187	4.1	57	99	482	Not Done
1/6/1999	12:18 p.m.	2.60	288	329	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	10:30 a.m.	4.00	275	308	233	4.5	61	102	506	Not Done
5/11/1999	10:00 a.m.	3.15	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	10:35 a.m.	Flowing	281	311	230	4.3	74	99	551	305
8/10/1999	10:15 a.m.	2.04	276	308	248	5.7	74	95	541	Na
10/7/1999	8:30 a.m.	1.59	251	289	221	4.9	71	98	536	Na
11/2/1999	11:25 a.m.	2.20	261	299	226	5.3	69	103	541	Na
2/8/2000	11:30 a.m.	2.20	266	306	223	4.5	78	106	586	324
5/8/2000	12:10 p.m.	2.75	275	324	220	4.4	69	88	503	297
8/21/2000	11:30 a.m.	2.05	287	314	250	6.2	76	105	577	286
11/13/2000	12:00 p.m.	2.71	232	280	179	4.6	63	95	497	273
2/7/2001	12:50 p.m.	2.74	261	321	217	3.6	74	103	562	260
5/7/2001	11:10 a.m.	3.78	308	340	225	3.8	73	91	528	243
8/6/2001	10:45 a.m.	2.72	299	344	231	4.2	73	103	558	321
11/8/2001	11:45 a.m.	3.76	273	319	220	2.9	71	106	559	300
2/4/2002	11:46 a.m.	2.31	277	333	226	3.3	73	109	573	274
5/13/2002	12:15 p.m.	2.87	265	321	240	3.0	76	106	578	294
8/6/2002	9:45 a.m.	0.85	252	319	217	2.5	68	93	511	275
11/4/2002	10:10 a.m.	0.77	286	333	216	3.1	72	106	561	315
2/3/2003	9:21 a.m.	0.88	276	334	220	3.3	76	106	579	306
5/12/2003	11:00 a.m.	1.51	286	378	229	4.2	77	91	543	226
Ave. All		2.41	272	319	223	4.1	71	100	543	287
Winter		2.77	273	319	225	4.0	72	105	557	286
Spring		3.14	282	324	229	3.9	73	96	540	285
Summer		1.92	279	321	236	4.6	73	99	547	294
Fall		2.35	256	301	208	4.1	67	101	529	296
Season Ave		2.54	273	316	225	4.1	71	100	543	290

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 912										
11/10/1998	11:40 a.m.	3.05	Not Done	Not Done	1416	Not Done	7.3	0.03	0.4	1.20
1/6/1999	12:28 p.m.	3.00	63	41	1334	Not Done	8.6	0.07	< 0.2	0.49
2/24/1999	10:45 a.m.	3.50	62	20	2080	1.3	8.1	0.12	< 0.2	< 0.20
5/11/1999	10:45 a.m.	3.96	Not Done	Not Done	Na	Na	6.4	0.09	< 0.2	< 0.20
5/25/1999	10:55 a.m.	Flowing	160	< 30	1899	1.0	6.2	< 0.25	< 0.3	0.66
8/10/1999	10:50 a.m.	2.14	73	< 40	1911	1.6	5.4	0.06	0.6	1.50
10/6/1999	10:55 a.m.	2.18	52	41	1958	1.6	5.4	Not Done	Not Done	Not Done
11/2/1999	11:35 a.m.	2.10	52	74	2120	1.2	7.3	0.07	0.3	0.93
12/21/1999	3:15 p.m.	Flowing	52	74	2120	1.2	Not Done	Not Done	0.1	0.45
2/8/2000	12:00 p.m.	2.60	63	41	1923	0.5	7.6	0.10	0.5	1.90
5/8/2000	12:50 p.m.	2.50	160	41	1890	1.5	4.5	0.12	0.2	1.10
5/24/2000	4:05 p.m.	Flowing	31	148	1994	1.7	6.2	0.12	< 0.3	0.30
8/21/2000	12:00 p.m.	1.48	259	216	1910	1.5	5.2	0.25	0.3	0.94
11/13/2000	11:20 a.m.	2.55	1178	197	1838	1.6	7.6	0.09	0.3	0.54
12/1/2000	10:15 a.m.	2.99	Not Done	Not Done	1887	1.6	6.8	0.06	0.8	1.40
2/7/2001	1:25 p.m.	2.56	121	359	2550	1.8	13.0	0.13	0.1	0.40
5/7/2001	11:47 a.m.	3.92	74	< 10	2070	1.5	6.2	0.14	< 0.2	0.79
6/5/2001	10:20 a.m.	4.07	389	369	2020	2.8	7.2	0.13	1.7	2.50
8/6/2001	11:00 a.m.	2.65	216	169	1976	6.8	5.7	0.12	0.4	1.00
11/8/2001	11:05 a.m.	3.20	455	142	1998	4.0	7.0	0.07	J 0.2	1.00
2/4/2002	11:13 a.m.	2.19	857	86	2000	1.0	9.2	0.11	< 0.2	0.94
5/7/2002	11:05 a.m.	2.92	160	265	1916	1.2	9.0	0.26	J 0.1	0.46
8/5/2002	1:25 p.m.	1.09	487	171	1805	3.9	7.3	0.20	J 0.1	0.73
11/4/2002	9:45 a.m.	0.72	487	269	2002	2.0	8.8	0.10	J 0.1	0.60
2/3/2003	8:55 a.m.	1.01	74	74	1888	1.2	6.9	0.09	< 0.3	1.60
5/12/2003	11:15 a.m.	1.47	122	161	2080	1.5	6.6	0.16	< 0.2	0.48
Ave. All		2.52	246	< 132	1943	1.9	7.2	< 0.12	< 0.3	< 0.89
Winter		2.77	233	109	1977	1.1	9.3	0.10	< 0.2	< 0.79
Spring		3.47	162	< 144	1965	1.6	6.5	< 0.16	< 0.4	< 0.86
Summer		1.84	259	< 149	1901	3.4	5.9	0.16	0.4	1.04
Fall		2.40	379	133	1917	1.9	7.2	0.07	0.3	0.87
Season Ave		2.62	258	< 134	1940	2.0	7.2	< 0.12	< 0.3	< 0.89

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 912										
11/10/1998	11:40 a.m.	3.05	14.4	8.1	4.8	2.6	Not Done	11.4	111.9%	Not Done
1/6/1999	12:28 p.m.	3.00	11.5	8.2	3.2	2.0	Not Done	13.0	123.6%	3130
2/24/1999	10:45 a.m.	3.50	13.3	8.4	24.0	9.6	Not Done	13.1	115.9%	2359
5/11/1999	10:45 a.m.	3.96	18.3	8.2	6.0	4.4	Na	12.8	136.4%	Not Done
5/25/1999	10:55 a.m.	Flowing	20.8	8.0	7.2	4.4	141	9.6	109.3%	4890
8/10/1999	10:50 a.m.	2.14	22.4	8.3	12.0	8.0	Not Done	7.9	91.0%	11200
10/6/1999	10:55 a.m.	2.18	20.0	8.0	6.8	4.0	Not Done	10.4	115.7%	11200
11/2/1999	11:35 a.m.	2.10	14.2	8.2	5.0	2.6	Not Done	8.7	78.7%	6130
12/21/1999	3:15 p.m.	Flowing	12.7	8.3	1.6	1.2	Not Done	4.6	50.1%	6130
2/8/2000	12:00 p.m.	2.60	14.9	8.2	4.0	2.2	154	6.9	66.6%	3790
5/8/2000	12:50 p.m.	2.50	20.3	8.1	9.2	5.6	134	7.6	85.0%	24900
5/24/2000	4:05 p.m.	Flowing	19.6	8.4	5.2	2.8	195	7.3	80.9%	14600
8/21/2000	12:00 p.m.	1.48	24.8	8.0	5.4	3.0	147	6.1	76.2%	35000
11/13/2000	11:20 a.m.	2.55	11.9	8.0	4.9	1.6	161	11.0	104.1%	22800
12/1/2000	10:15 a.m.	2.99	14.2	8.1	6.8	3.2	152	9.6	96.6%	Not Done
2/7/2001	1:25 p.m.	2.56	13.1	8.1	3.6	2.2	176	7.7	73.9%	1421
5/7/2001	11:47 a.m.	3.92	20.1	8.2	5.0	4.0	177	4.4	52.6%	6490
6/5/2001	10:20 a.m.	4.07	18.8	8.1	10.2	3.8	183	5.2	53.2%	37400
8/6/2001	11:00 a.m.	2.65	23.9	8.1	13.8	5.0	153	3.1	37.2%	27200
11/8/2001	11:05 a.m.	3.20	16.0	8.2	8.6	3.4	195	5.2	51.2%	11199
2/4/2002	11:13 a.m.	2.19	9.2	8.2	3.6	2.0	192	6.2	53.8%	18300
5/7/2002	11:05 a.m.	2.92	16.8	8.1	2.2	2.2	175	3.1	30.6%	14136
8/5/2002	1:25 p.m.	1.09	24.8	8.4	10.4	8.4	174	5.1	61.4%	55400
11/4/2002	9:45 a.m.	0.72	13.2	8.2	5.2	2.8	194	5.6	53.0%	21846
2/3/2003	8:55 a.m.	1.01	12.0	8.1	1.3	1.3	141	5.2	48.7%	5172
5/12/2003	11:15 a.m.	1.47	18.7	8.2	1.4	1.3	185	6.0	64.5%	5475
Ave. All		2.52	16.9	8.2	6.6	3.6	168	7.6	77.8%	15225
Winter		2.77	12.4	8.2	7.7	3.6	174	9.4	86.8%	5800
Spring		3.47	19.2	8.2	6.4	3.9	168	7.1	78.3%	17069
Summer		1.84	24.0	8.2	10.4	6.1	158	5.5	66.5%	32200
Fall		2.40	14.6	8.1	5.5	2.7	176	8.3	82.7%	13218
Season Ave		2.62	17.5	8.2	7.5	4.1	169	7.6	78.5%	17072

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 912										
11/10/1998	11:40 a.m.	3.05	0.20	0.15	Na	Na	991	Not Done	Not Done	< 0.1
1/6/1999	12:28 p.m.	3.00	0.26	< 0.10	Na	Na	1252	Not Done	Not Done	0.6
2/24/1999	10:45 a.m.	3.50	0.05	0.04	Na	Na	1252	Not Done	Not Done	0.9
5/11/1999	10:45 a.m.	3.96	0.20	0.09	Na	Na	1164	Not Done	Not Done	Not Done
5/25/1999	10:55 a.m.	Flowing	Not Done	< 0.20	Na	Na	1172	Not Done	Not Done	< 0.1
8/10/1999	10:50 a.m.	2.14	0.07	0.04	Na	Na	1100	Not Done	Not Done	< 0.1
10/6/1999	10:55 a.m.	2.18	Not Done	Not Done	Na	Na	1204	160	1044	0.9
11/2/1999	11:35 a.m.	2.10	0.10	0.09	Na	Na	1224	190	1034	0.9
12/21/1999	3:15 p.m.	Flowing	0.09	Not Done	Na	Na	1276	164	1112	Not Done
2/8/2000	12:00 p.m.	2.60	0.10	0.14	Na	Na	1288	188	1100	< 0.1
5/8/2000	12:50 p.m.	2.50	< 0.10	0.08	0.3	3.7	1234	102	1132	< 1.0
5/24/2000	4:05 p.m.	Flowing	0.21	0.14	Na	Na	1308	162	1146	1.1
8/21/2000	12:00 p.m.	1.48	0.20	0.10	Na	2.6	1232	148	1084	1.8
11/13/2000	11:20 a.m.	2.55	0.12	0.11	Na	1.5	1175	173	1002	0.5
12/1/2000	10:15 a.m.	2.99	0.10	0.10	0.1	4.6	1203	118	1085	1.9
2/7/2001	1:25 p.m.	2.56	0.10	0.09	0.1	2.2	1558	160	1398	2.8
5/7/2001	11:47 a.m.	3.92	J 0.07	0.04	< 0.1	2.2	1357	165	1192	2.3
6/5/2001	10:20 a.m.	4.07	J 0.09	0.09	Na	2.6	1333	170	1163	2.1
8/6/2001	11:00 a.m.	2.65	J 0.09	0.06	< 0.1	2.9	1375	223	1153	0.6
11/8/2001	11:05 a.m.	3.20	0.14	0.11	1.0	2.8	1252	140	1112	1.9
2/4/2002	11:13 a.m.	2.19	J 0.07	0.05	0.1	1.3	1280	133	1147	2.5
5/7/2002	11:05 a.m.	2.92	J 0.09	0.09	Na	4.4	1276	Na	Na	0.7
8/5/2002	1:25 p.m.	1.09	J 0.10	0.05	< 0.1	2.4	1175	115	1060	0.7
11/4/2002	9:45 a.m.	0.72	J 0.07	0.10	< 0.1	2.5	1324	233	1091	0.8
2/3/2003	8:55 a.m.	1.01	0.03	0.08	< 0.1	2.6	1164	134	1030	0.6
5/12/2003	11:15 a.m.	1.47	0.29	0.04	< 0.1	4.7	1472	308	1164	0.8
Ave. All		2.52	< 0.12	< 0.09	< 0.2	2.9	1255	168	1118	< 1.1
Winter		2.77	0.12	< 0.08	0.1	1.8	1326	160	1215	< 1.4
Spring		3.47	< 0.13	< 0.10	< 0.2	3.2	1263	150	1158	< 1.2
Summer		1.84	0.11	0.06	< 0.1	2.6	1221	162	1099	< 0.8
Fall		2.40	0.12	0.11	0.4	2.9	1206	168	1069	< 1.0
Season Ave		2.62	< 0.12	< 0.09	< 0.2	2.6	1254	160	1135	< 1.1

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 912										
11/10/1998	11:40 a.m.	3.05	255	310	200	3.6	65	109	540	Not Done
1/6/1999	12:28 p.m.	3.00	291	337	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	10:45 a.m.	3.50	281	316	240	3.7	64	93	497	Not Done
5/11/1999	10:45 a.m.	3.96	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	10:55 a.m.	Flowing	279	315	235	3.9	70	80	489	235
8/10/1999	10:50 a.m.	2.14	251	289	254	4.0	69	81	485	Not Done
10/6/1999	10:55 a.m.	2.18	250	295	234	3.7	66	91	498	Not Done
11/2/1999	11:35 a.m.	2.10	267	309	231	4.7	65	87	485	Not Done
12/21/1999	3:15 p.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/8/2000	12:00 p.m.	2.60	281	317	233	4.1	75	89	531	257
5/8/2000	12:50 p.m.	2.50	281	335	227	4.5	66	67	438	224
5/24/2000	4:05 p.m.	Flowing	278	325	222	3.6	77	103	574	326
8/21/2000	12:00 p.m.	1.48	279	322	247	4.7	72	95	530	246
11/13/2000	11:20 a.m.	2.55	249	307	195	4.1	68	95	517	269
12/1/2000	10:15 a.m.	2.99	255	312	214	4.1	73	91	528	254
2/7/2001	1:25 p.m.	2.56	460	302	339	4.2	74	113	587	294
5/7/2001	11:47 a.m.	3.92	300	334	229	4.0	77	104	576	296
6/5/2001	10:20 a.m.	4.07	296	331	229	4.0	77	104	576	306
8/6/2001	11:00 a.m.	2.65	308	356	239	3.7	70	85	502	256
11/8/2001	11:05 a.m.	3.20	269	318	222	2.6	75	111	585	326
2/4/2002	11:13 a.m.	2.19	270	322	224	2.2	76	116	603	320
5/7/2002	11:05 a.m.	2.92	252	317	233	2.9	77	98	564	292
8/5/2002	1:25 p.m.	1.09	251	320	213	2.1	70	96	526	291
11/4/2002	9:45 a.m.	0.72	314	361	227	2.9	76	109	585	324
2/3/2003	8:55 a.m.	1.01	263	332	219	3.4	73	82	506	235
5/12/2003	11:15 a.m.	1.47	281	367	227	3.3	83	109	614	308
Ave. All		2.52	282	323	232	3.6	72	96	536	281
Winter		2.77	317	319	259	3.5	72	103	554	290
Spring		3.47	281	326	229	3.8	74	93	536	280
Summer		1.84	272	322	238	3.6	70	89	511	264
Fall		2.40	266	316	218	3.7	70	99	534	293
Season Ave		2.62	284	321	236	3.7	72	96	534	282

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 913										
11/10/1998	12:15 p.m.	2.86	Not Done	Not Done	1785	Not Done	7.9	0.03	< 0.2	1.10
1/6/1999	12:52 p.m.	2.57	250	< 10	1386	Not Done	8.9	0.12	< 0.2	0.47
2/24/1999	10:55 a.m.	3.71	86	52	2140	1.2	8.5	0.19	0.3	0.30
5/11/1999	11:15 a.m.	3.13	Na	Na	Na	Na	6.7	0.22	< 0.2	< 0.20
5/25/1999	11:05 a.m.	Flowing	120	230	2030	1.1	6.7	< 0.25	0.3	1.03
8/10/1999	11:20 a.m.	2.16	216	254	2020	1.5	6.9	0.24	0.5	1.10
10/6/1999	10:30 a.m.	2.18	134	146	2090	1.7	6.6	Not Done	Not Done	Not Done
11/2/1999	11:45 a.m.	2.10	201	85	2330	1.5	8.4	0.15	0.2	0.74
2/8/2000	12:30 p.m.	2.30	< 40	< 40	1966	0.8	8.3	0.20	0.5	0.95
5/8/2000	1:25 p.m.	2.80	240	120	1976	1.8	5.1	0.28	0.3	0.77
8/21/2000	12:20 p.m.	2.08	201	259	1960	1.3	5.6	0.26	0.6	1.30
9/12/2000	11:30 a.m.	2.10	336	134	1956	1.4	7.6	Not Done	0.2	Not Done
11/13/2000	10:30 a.m.	1.99	776	591	1935	1.7	9.2	0.12	0.2	0.53
12/1/2000	11:00 a.m.	2.97	Not Done	Not Done	1993	1.3	7.5	0.21	0.6	1.10
2/7/2001	1:55 p.m.	2.39	85	109	2610	3.0	16.0	0.10	0.1	0.44
5/7/2001	12:11 p.m.	3.72	63	< 10	2090	1.5	6.1	0.19	< 0.2	0.85
8/6/2001	11:30 a.m.	2.87	426	359	2020	5.3	5.9	0.27	0.3	0.95
11/8/2001	10:35 a.m.	3.24	504	243	1996	8.4	7.2	0.08	0.2	1.30
2/4/2002	10:49 a.m.	2.96	1842	84	2010	1.2	9.4	0.09	< 0.2	0.65
5/13/2002	1:12 p.m.	3.00	441	41	1975	2.4	6.3	0.24	J 0.2	0.78
8/6/2002	9:05 a.m.	0.82	265	199	1840	2.1	8.4	0.30	0.5	1.00
11/4/2002	9:10 a.m.	0.64	520	528	2000	2.6	9.0	0.10	0.5	0.55
2/3/2003	8:25 a.m.	0.96	109	63	1990	1.1	8.0	0.20	< 0.3	1.10
5/12/2003	12:00 p.m.	1.50	173	84	1981	1.6	7.5	0.16	< 0.2	J 0.20
Ave. All		2.39	< 335	< 173	2003	2.1	7.8	< 0.18	< 0.3	< 0.79
Winter		2.79	< 461	< 59	2022	1.6	10.2	0.14	< 0.3	0.56
Spring		3.16	216	< 100	2018	1.7	6.2	< 0.24	< 0.2	< 0.73
Summer		2.01	289	241	1959	2.3	6.9	0.27	0.4	1.09
Fall		2.28	427	319	2018	2.8	8.0	0.12	< 0.3	0.89
Season Ave		2.56	< 348	< 180	2004	2.1	7.8	< 0.19	< 0.3	< 0.82

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 913										
11/10/1998	12:15 p.m.	2.86	13.5	8.0	5.6	3.0	Not Done	10.1	98.9%	Not Done
1/6/1999	12:52 p.m.	2.57	12.0	8.1	4.2	2.2	Not Done	11.7	109.7%	4884
2/24/1999	10:55 a.m.	3.71	12.5	8.2	6.8	4.8	Not Done	11.1	105.4%	3448
5/11/1999	11:15 a.m.	3.13	17.0	8.1	7.6	4.8	171	11.2	118.2%	Na
5/25/1999	11:05 a.m.	Flowing	19.7	8.0	3.6	2.4	171	10.4	117.6%	7540
8/10/1999	11:20 a.m.	2.16	21.3	8.2	8.0	8.0	Not Done	10.0	121.2%	18500
10/6/1999	10:30 a.m.	2.18	19.1	7.9	8.0	4.4	Not Done	8.2	89.2%	46110
11/2/1999	11:45 a.m.	2.10	14.5	8.1	6.0	2.8	Not Done	7.8	76.8%	6867
2/8/2000	12:30 p.m.	2.30	14.4	8.2	4.4	2.2	199	5.0	47.8%	5170
5/8/2000	1:25 p.m.	2.80	21.8	8.2	10.0	5.6	186	10.8	115.7%	24000
8/21/2000	12:20 p.m.	2.08	23.7	7.9	5.4	2.8	176	5.2	61.0%	23300
9/12/2000	11:30 a.m.	2.10	21.0	7.8	Not Done	Not Done	176	5.6	63.8%	45000
11/13/2000	10:30 a.m.	1.99	10.8	7.9	4.7	1.8	184	7.8	76.1%	32700
12/1/2000	11:00 a.m.	2.97	12.8	8.0	5.4	3.2	180	8.2	78.3%	Not Done
2/7/2001	1:55 p.m.	2.39	12.7	7.9	13.0	4.2	175	8.1	76.4%	1989
5/7/2001	12:11 p.m.	3.72	19.4	8.1	7.4	4.0	191	4.5	46.6%	6870
8/6/2001	11:30 a.m.	2.87	22.5	8.1	12.2	4.6	198	3.4	38.8%	33600
11/8/2001	10:35 a.m.	3.24	15.8	8.1	16.2	4.4	200	4.6	47.1%	21100
2/4/2002	10:49 a.m.	2.96	8.6	8.1	3.2	2.0	192	5.8	49.7%	27800
5/13/2002	1:12 p.m.	3.00	22.4	8.3	3.0	2.6	188	4.2	48.3%	15531
8/6/2002	9:05 a.m.	0.82	18.6	8.0	7.4	3.4	182	2.7	32.2%	50400
11/4/2002	9:10 a.m.	0.64	12.6	8.1	3.6	2.0	198	6.9	65.1%	20481
2/3/2003	8:25 a.m.	0.96	12.5	8.0	1.7	1.1	179	5.1	48.2%	3654
5/12/2003	12:00 p.m.	1.50	17.6	8.5	1.4	1.0	191	5.2	53.8%	6867
Ave. All		2.39	16.5	8.1	6.5	3.4	185	7.2	74.4%	19324
Winter		2.79	12.0	8.1	6.3	3.1	189	8.3	77.8%	8658
Spring		3.16	20.1	8.1	6.3	3.9	181	8.2	89.3%	13485
Summer		2.01	21.4	8.0	8.3	4.7	183	5.4	63.4%	34160
Fall		2.28	14.2	8.0	7.1	3.1	191	7.7	75.9%	25452
Season Ave		2.56	16.9	8.1	7.0	3.7	186	7.4	76.6%	20439

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 913										
11/10/1998	12:15 p.m.	2.86	0.10	0.14	Na	Na	1250	Not Done	Not Done	< 0.1
1/6/1999	12:52 p.m.	2.57	0.16	< 0.10	Na	Na	1288	Not Done	Not Done	0.5
2/24/1999	10:55 a.m.	3.71	0.07	0.03	Na	Na	1332	Not Done	Not Done	1.1
5/11/1999	11:15 a.m.	3.13	0.20	0.07	Na	Na	1216	Not Done	Not Done	< 0.1
5/25/1999	11:05 a.m.	Flowing	Not Done	< 0.20	Na	Na	1228	Not Done	Not Done	< 0.1
8/10/1999	11:20 a.m.	2.16	0.07	0.05	Na	Na	1264	Not Done	Not Done	1.1
10/6/1999	10:30 a.m.	2.18	Not Done	Not Done	Na	Na	1256	164	1092	1.0
11/2/1999	11:45 a.m.	2.10	0.10	0.07	Na	Na	1268	152	1116	0.9
2/8/2000	12:30 p.m.	2.30	0.10	0.08	Na	Na	1324	184	1140	< 0.1
5/8/2000	1:25 p.m.	2.80	< 0.10	0.07	Na	4.2	1206	76	1130	< 1.0
8/21/2000	12:20 p.m.	2.08	0.20	0.11	Na	4.2	1268	164	1104	1.8
9/12/2000	11:30 a.m.	2.10	Not Done	Not Done	Na	Na	1233	118	116	Not Done
11/13/2000	10:30 a.m.	1.99	0.12	0.10	Na	2.0	1253	190	1063	0.5
12/1/2000	11:00 a.m.	2.97	0.07	0.07	0.1	4.7	1252	132	1120	1.5
2/7/2001	1:55 p.m.	2.39	0.09	0.07	< 0.1	2.5	1613	160	1453	2.6
5/7/2001	12:11 p.m.	3.72	J 0.05	0.02	0.2	3.2	1315	148	1167	1.4
8/6/2001	11:30 a.m.	2.87	J 0.09	0.06	< 0.1	4.1	1420	245	1175	0.7
11/8/2001	10:35 a.m.	3.24	0.09	0.05	1.4	2.9	1258	142	1116	2.3
2/4/2002	10:49 a.m.	2.96	J 0.08	0.05	< 0.1	< 1.0	1280	133	1147	2.0
5/13/2002	1:12 p.m.	3.00	J 0.04	< 0.02	0.1	3.5	1302	186	1116	0.6
8/6/2002	9:05 a.m.	0.82	0.13	0.07	< 0.1	3.7	1190	123	1068	0.6
11/4/2002	9:10 a.m.	0.64	J 0.07	0.07	< 0.1	2.4	1302	238	1064	0.5
2/3/2003	8:25 a.m.	0.96	0.03	0.07	< 0.1	3.4	1186	146	1040	0.6
5/12/2003	12:00 p.m.	1.50	J 0.06	0.04	< 0.1	4.2	1384	256	1128	0.8
Ave. All		2.39	< 0.10	< 0.07	< 0.2	3.3	1287	164	1075	< 1.0
Winter		2.79	0.10	< 0.07	< 0.1	1.8	1367	159	1247	< 1.3
Spring		3.16	< 0.10	< 0.08	0.2	3.6	1253	137	1138	< 0.7
Summer		2.01	0.12	0.07	< 0.1	4.0	1275	162	866	1.0
Fall		2.28	0.09	0.08	0.5	3.0	1263	170	1095	< 1.0
Season Ave		2.56	< 0.10	< 0.07	< 0.2	3.1	1290	157	1086	< 1.0

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 913										
11/10/1998	12:15 p.m.	2.86	254	305	203	3.2	64	110	538	Not Done
1/6/1999	12:52 p.m.	2.57	290	334	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	10:55 a.m.	3.71	287	316	243	3.7	64	110	538	Not Done
5/11/1999	11:15 a.m.	3.13	296	315	243	3.9	76	90	535	285
5/25/1999	11:05 a.m.	Flowing	296	315	243	3.9	76	90	535	285
8/10/1999	11:20 a.m.	2.16	271	307	250	3.8	76	96	555	Not Done
10/6/1999	10:30 a.m.	2.18	255	296	234	4.5	70	95	524	Not Done
11/2/1999	11:45 a.m.	2.10	262	303	231	5.0	70	100	535	Not Done
2/8/2000	12:30 p.m.	2.30	270	310	234	4.3	80	107	597	332
5/8/2000	1:25 p.m.	2.80	273	325	224	3.7	71	84	504	310
8/21/2000	12:20 p.m.	2.08	266	305	241	5.0	75	99	554	294
9/12/2000	11:30 a.m.	2.10	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	294
11/13/2000	10:30 a.m.	1.99	257	315	202	3.8	72	103	554	307
12/1/2000	11:00 a.m.	2.97	258	316	220	3.4	79	108	595	300
2/7/2001	1:55 p.m.	2.39	477	302	350	4.5	72	115	584	292
5/7/2001	12:11 p.m.	3.72	297	330	223	3.3	79	107	590	318
8/6/2001	11:30 a.m.	2.87	294	342	232	3.7	75	101	561	331
11/8/2001	10:35 a.m.	3.24	267	314	230	2.3	74	117	598	333
2/4/2002	10:49 a.m.	2.96	261	323	219	2.2	75	122	614	321
5/13/2002	1:12 p.m.	3.00	263	327	241	2.5	78	112	601	313
8/6/2002	9:05 a.m.	0.82	241	305	214	2.2	70	98	533	303
11/4/2002	9:10 a.m.	0.64	302	352	222	2.9	75	110	583	331
2/3/2003	8:25 a.m.	0.96	271	335	222	3.1	78	99	567	299
5/12/2003	12:00 p.m.	1.50	281	366	228	3.3	83	118	637	319
Ave. All		2.39	282	320	234	3.6	74	104	565	309
Winter		2.79	317	317	262	3.7	73	114	583	315
Spring		3.16	285	322	235	3.5	76	96	553	302
Summer		2.01	268	315	234	3.7	74	98	551	306
Fall		2.28	265	314	220	3.6	72	106	561	318
Season Ave		2.56	284	317	238	3.6	74	104	562	310

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Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 916										
11/10/1998	1:15 p.m.	2.88	22.1	8.5	8.4	3.4	Not Done	15.4	167.7%	Not Done
1/6/1999	1:02 p.m.	2.30	18.7	8.8	9.2	4.6	Not Done >	20.0 >	200.0%	19860
2/24/1999	11:10 a.m.	3.40	11.6	8.2	9.6	4.0	Not Done	13.3	123.8%	2014
5/11/1999	11:45 a.m.	2.71	17.6	8.2	9.2	5.6	Na	14.9	152.9%	2014
5/25/1999	11:20 a.m.	3.49	19.7	7.9	10.8	4.8	194	9.5	106.6%	64800
8/10/1999	12:00 p.m.	1.66	21.8	8.3	16.0	10.0	Not Done	10.1	122.2%	204600
10/6/1999	10:05 a.m.	1.60	18.1	7.9	11.2	5.6	Not Done	4.9	53.0%	12997
11/2/1999	12:00 p.m.	1.90	14.3	8.2	11.2	4.6	Not Done	10.8	110.1%	32300
2/8/2000	1:30 p.m.	2.00	15.3	8.5	8.6	3.8	194	3.8	37.9%	19860
5/8/2000	3:15 p.m.	2.40	24.3	8.8	15.2	9.2	144	14.7	177.4%	27200
5/24/2000	3:35 p.m.	Flowing	20.6	8.8	29.8	12.0	158	10.0	108.5%	104000
8/21/2000	1:40 p.m.	2.20	27.1	8.4	9.6	4.0	164	10.3	130.0%	64500
11/13/2000	3:15 p.m.	1.98	16.5	8.4	5.2	1.9	173	10.6	107.7%	35900
2/7/2001	2:30 p.m.	2.54	12.3	8.3	6.0	2.6	188	10.5	96.8%	4611
5/7/2001	12:37 p.m.	3.53	30.9	8.8	21.4	10.4	118	5.6	80.4%	12997
6/5/2001	9:35 a.m.	3.37	19.2	8.2	84.2	19.4	200	6.8	71.8%	76300
8/7/2001	11:03 a.m.	2.46	27.2	8.4	8.2	4.4	182	5.2	56.8%	165800
11/8/2001	10:00 a.m.	2.19	17.9	8.2	69.8	14.4	156	6.4	67.6%	25900
2/4/2002	9:56 a.m.	2.36	14.5	8.1	10.6	4.2	187	7.8	76.6%	59100
5/7/2002	10:10 a.m.	2.89	16.7	8.7	4.8	3.8	185	3.3	32.9%	30500
8/5/2002	1:57 p.m.	0.88	33.9	8.9	18.8	9.2	106	4.5	64.3%	272300
11/4/2002	8:30 a.m.	0.92	13.5	8.2	28.0	8.4	188	6.8	64.1%	10802
2/3/2003	1:55 p.m.	0.82	21.6	8.9	10.2	3.3	135	9.6	110.7%	5794
5/12/2003	12:45 p.m.	1.41	28.9	9.0	4.0	2.0	129	6.0	78.5%	17329
Ave. All		2.26	20.2	8.4	17.5	6.5	165 >	9.2 >	99.9%	55282
Winter		2.52	14.5	8.4	8.8	3.8	190 >	11.1 >	107.0%	21089
Spring		3.07	21.3	8.5	25.1	9.3	166	9.3	104.4%	45402
Summer		1.80	27.5	8.5	13.2	6.9	151	7.5	93.3%	176800
Fall		1.91	17.1	8.2	22.3	6.4	172	9.1	95.0%	23580
Season Ave		2.32	20.1	8.4	17.3	6.6	170 >	9.2 >	99.9%	66718

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N	
Station 916											
11/10/1998	1:15 p.m.	2.88	Not Done	Not Done	1658	Not Done	9.6	0.02	<	0.2	1.20
1/6/1999	1:02 p.m.	2.30	146	< 10	1315	Not Done	9.0	0.06	<	0.2	0.58
2/24/1999	11:10 a.m.	3.40	404	52	2110	1.8	9.4	0.17	<	0.2	0.43
5/11/1999	11:45 a.m.	2.71	404	52	2110	1.8	7.3	0.19	<	0.2	0.30
5/25/1999	11:20 a.m.	3.49	3310	211	2000	1.8	7.7	< 0.25	<	0.3	0.92
8/10/1999	12:00 p.m.	1.66	1259	< 40	2010	2.7	8.6	0.31		0.6	2.10
10/6/1999	10:05 a.m.	1.60	581	959	2020	4.1	7.1	Not Done	Not Done	Not Done	
11/2/1999	12:00 p.m.	1.90	697	419	2310	4.1	9.5	0.14		0.7	1.00
2/8/2000	1:30 p.m.	2.00	520	85	1966	2.3	9.4	0.17		0.5	1.50
5/8/2000	3:15 p.m.	2.40	330	63	1819	3.3	5.6	0.17		0.3	0.92
5/24/2000	3:35 p.m.	Flowing	810	930	1827	5.9	8.5	0.20	<	0.3	1.71
8/21/2000	1:40 p.m.	2.20	1354	350	1843	3.9	6.8	0.28		0.5	0.92
11/13/2000	3:15 p.m.	1.98	1010	323	1928	2.1	9.9	0.11		0.2	0.49
2/7/2001	2:30 p.m.	2.54	816	231	2110	2.4	10.0	0.10		0.2	0.48
5/7/2001	12:37 p.m.	3.53	295	< 10	1937	4.0	6.5	0.11		0.3	1.20
6/5/2001	9:35 a.m.	3.37	907	805	2030	18.3	8.5	0.16		0.7	1.80
8/7/2001	11:03 a.m.	2.46	932	345	1946	4.3	7.5	0.20		0.3	2.00
11/8/2001	10:00 a.m.	2.19	576	181	1973	9.8	8.2	0.07	J	0.1	1.60
2/4/2002	9:56 a.m.	2.36	1725	228	1970	2.7	10.3	0.08	<	0.2	0.70
5/7/2002	10:10 a.m.	2.89	416	471	1886	1.7	9.1	0.24		0.3	0.79
8/5/2002	1:57 p.m.	0.88	706	457	1715	9.9	8.2	0.19		0.3	1.30
11/4/2002	8:30 a.m.	0.92	1942	377	1955	9.2	9.6	0.06	J	0.2	0.60
2/3/2003	1:55 p.m.	0.82	74	74	1850	4.1	10.0	0.11	<	0.3	0.92
5/12/2003	12:45 p.m.	1.41	145	145	1889	1.7	7.7	0.08	<	0.2	0.21
Ave. All		2.26	842	< 296	1924	4.6	8.5	< 0.15	<	0.3	1.03
Winter		2.52	722	< 121	1894	2.3	9.6	0.12	<	0.3	0.74
Spring		3.07	925	< 363	1944	5.3	7.6	< 0.19	<	0.3	1.09
Summer		1.80	1063	< 298	1879	5.2	7.8	0.25		0.4	1.58
Fall		1.91	961	452	1974	5.9	9.0	0.08	<	0.3	0.98
Season Ave		2.32	918	< 309	1923	4.7	8.5	< 0.16	<	0.3	1.10

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 916										
11/10/1998	1:15 p.m.	2.88	0.10	0.10	Na	Na	1161	Not Done	Not Done	0.9
1/6/1999	1:02 p.m.	2.30	0.12	< 0.10	Na	Na	1180	Not Done	Not Done	0.6
2/24/1999	11:10 a.m.	3.40	0.07	0.02	Na	Na	1320	Not Done	Not Done	1.1
5/11/1999	11:45 a.m.	2.71	0.10	0.03	Na	Na	1228	Not Done	Not Done	Not Done
5/25/1999	11:20 a.m.	3.49	Not Done	< 0.20	Na	Na	1268	Not Done	Not Done	< 0.1
8/10/1999	12:00 p.m.	1.66	0.06	0.02	Na	Na	1164	Not Done	Not Done	< 0.1
10/6/1999	10:05 a.m.	1.60	Not Done	Not Done	Na	Na	1216	152	1064	0.9
11/2/1999	12:00 p.m.	1.90	0.10	0.04	Na	Na	1280	156	1124	< 0.1
2/8/2000	1:30 p.m.	2.00	0.07	0.03	Na	Na	1320	200	1120	0.8
5/8/2000	3:15 p.m.	2.40	< 0.10	0.05	0.4	4.2	1310	82	1228	1.6
5/24/2000	3:35 p.m.	Flowing	0.22	0.05	Na	Na	1220	156	1064	1.0
8/21/2000	1:40 p.m.	2.20	0.10	0.06	Na	3.5	1179	156	1023	3.0
11/13/2000	3:15 p.m.	1.98	J 0.09	0.09	Na	2.2	1228	178	1050	0.6
2/7/2001	2:30 p.m.	2.54	0.08	0.04	0.1	2.9	1358	140	1218	2.1
5/7/2001	12:37 p.m.	3.53	0.10	J 0.02	0.1	1.7	1155	138	1017	2.2
6/5/2001	9:35 a.m.	3.37	0.20	< 0.02	Na	3.4	1360	165	1195	1.8
8/7/2001	11:03 a.m.	2.46	J 0.08	J 0.02	< 0.1	3.7	1313	140	1173	0.7
11/8/2001	10:00 a.m.	2.19	0.11	0.03	0.8	2.8	1302	145	1157	2.4
2/4/2002	9:56 a.m.	2.36	0.11	0.05	0.2	1.1	1285	133	1152	2.3
5/7/2002	10:10 a.m.	2.89	J 0.07	0.07	Na	4.8	1247	Na	Na	0.6
8/5/2002	1:57 p.m.	0.88	J 0.09	J 0.02	< 0.1	4.9	1100	105	995	0.6
11/4/2002	8:30 a.m.	0.92	J 0.07	0.06	< 0.1	1.5	1248	231	1017	0.5
2/3/2003	1:55 p.m.	0.82	0.03	0.06	< 0.1	2.9	1228	146	1082	0.6
5/12/2003	12:45 p.m.	1.41	J 0.05	< 0.02	< 0.1	4.0	1292	260	1032	0.8
Ave. All		2.26	< 0.10	< 0.05	< 0.2	3.1	1248	158	1101	< 1.1
Winter		2.52	0.09	< 0.05	0.1	2.0	1293	158	1163	1.4
Spring		3.07	< 0.13	< 0.06	0.3	3.5	1255	135	1126	< 1.2
Summer		1.80	0.08	0.03	< 0.1	4.0	1189	134	1064	< 1.1
Fall		1.91	0.09	0.06	0.4	2.2	1239	172	1082	< 0.9
Season Ave		2.32	< 0.10	< 0.05	< 0.2	2.9	1244	150	1109	< 1.2

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 916										
11/10/1998	1:15 p.m.	2.88	249	304	208	2.4	61	104	511	Not Done
1/6/1999	1:02 p.m.	2.30	290	332	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:10 a.m.	3.40	275	308	231	3.3	62	113	537	Not Done
5/11/1999	11:45 a.m.	2.71	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	11:20 a.m.	3.49	280	315	233	4.1	75	106	574	324
8/10/1999	12:00 p.m.	1.66	266	301	245	3.5	76	114	598	Not Done
10/6/1999	10:05 a.m.	1.60	235	283	213	4.2	67	102	531	Not Done
11/2/1999	12:00 p.m.	1.90	254	303	216	3.3	64	108	534	Not Done
2/8/2000	1:30 p.m.	2.00	263	309	225	3.4	77	110	592	324
5/8/2000	3:15 p.m.	2.40	259	318	206	3.4	63	76	448	240
5/24/2000	3:35 p.m.	Flowing	257	319	221	13.1	71	89	515	264
8/21/2000	1:40 p.m.	2.20	246	300	221	4.0	69	99	531	273
11/13/2000	3:15 p.m.	1.98	261	325	206	3.2	71	104	552	289
2/7/2001	2:30 p.m.	2.54	298	316	248	3.0	76	117	605	314
5/7/2001	12:37 p.m.	3.53	261	329	215	2.2	64	79	462	196
6/5/2001	9:35 a.m.	3.37	284	328	223	3.6	76	114	599	333
8/7/2001	11:03 a.m.	2.46	284	332	222	3.3	68	99	526	304
11/8/2001	10:00 a.m.	2.19	270	321	228	2.8	74	116	596	260
2/4/2002	9:56 a.m.	2.36	267	323	221	2.5	74	118	598	312
5/7/2002	10:10 a.m.	2.89	249	321	218	2.4	73	110	578	308
8/5/2002	1:57 p.m.	0.88	264	343	215	2.1	63	70	434	177
11/4/2002	8:30 a.m.	0.92	286	339	211	2.3	70	108	561	314
2/3/2003	1:55 p.m.	0.82	273	344	213	2.8	72	86	510	226
5/12/2003	12:45 p.m.	1.41	283	375	230	3.0	78	80	521	206
Ave. All		2.26	268	321	221	3.5	70	101	541	274
Winter		2.52	279	318	231	3.1	72	115	583	317
Spring		3.07	265	322	219	4.8	70	96	529	278
Summer		1.80	265	319	226	3.2	69	96	522	251
Fall		1.91	259	312	214	3.0	68	107	547	288
Season Ave		2.32	267	318	222	3.5	70	103	546	283

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 917										
11/10/1998	1:30 p.m.	Flowing	22.1	8.4	2.8	2.0	Not Done	11.6	123.8%	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	12:50 p.m.	Flowing	28.2	8.6	8.0	3.6	146 >	20.0 >	200.0%	13700
8/10/1999	10:35 a.m.	1.60	26.0	8.5	35.0	15.0	171	15.2	197.8%	198600
10/6/1999	9:25 a.m.	1.80	19.5	8.9	18.8	7.6	Not Done	11.3	122.8%	12740
11/2/1999	12:05 p.m.	1.60	24.8	9.1	19.4	8.0	Not Done	15.6	186.8%	88400
2/9/2000	1:05 p.m.	Flowing	22.5	9.4	9.8	5.4	130	2.3	25.9%	4885
5/9/2000	9:15 a.m.	2.90	20.4	8.3	14.0	11.8	182	13.9	162.0%	17330
8/22/2000	11:45 a.m.	Flowing	30.1	8.8	23.6	7.4	144	13.5	180.5%	83900
11/15/2000	1:20 p.m.	1.15	19.6	9.0	16.8	7.2	132	17.6	192.0%	12033
2/8/2001	1:20 p.m.	Flowing	18.2	8.9	5.2	2.4	143	14.8	138.7%	16032
5/7/2001	1:20 p.m.	3.44	31.3	9.0	11.8	4.6	80	7.6	121.5%	2050
8/6/2001	12:59 p.m.	2.38	33.9	9.3	30.0	11.2	83	4.8	67.9%	91000
11/7/2001	2:10 p.m.	1.64	24.0	8.7	33.0	7.6	183	8.3	83.4%	6131
2/4/2002	9:18 a.m.	2.23	10.3	8.2	10.8	4.2	186	6.8	61.2%	90500
5/13/2002	1:58 p.m.	2.65	30.3	9.3	13.6	7.2	96	4.2	54.2%	52900
8/6/2002	8:32 a.m.	0.86	20.3	8.2	13.2	6.0	183	5.4	59.7%	30500
11/5/2002	10:30 a.m.	0.88	18.7	8.5	12.8	4.8	185	7.9	86.0%	8164
2/3/2003	1:16 p.m.	0.75	20.6	8.8	4.0	2.2	139	8.4	95.5%	1835
5/12/2003	1:15 p.m.	1.39	29.4	9.1	3.9	1.8	113	7.2	94.9%	4352
Ave. All		1.80	23.7	8.8	15.1	6.3	144 >	10.3 >	118.7%	40836
Winter		2.23	17.0	8.8	8.6	4.0	153	8.0	75.3%	37139
Spring		3.00	27.6	8.8	11.9	6.8	126 >	11.4 >	134.4%	21495
Summer		1.61	27.6	8.7	25.5	9.9	145	9.7	126.5%	101000
Fall		1.41	21.5	8.8	17.3	6.2	167	12.0	132.5%	25494
Season Ave		2.06	23.4	8.8	15.8	6.7	148 >	10.3 >	117.2%	46282

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 917										
11/10/1998	1:30 p.m.	Flowing	Not Done	Not Done	Not Done	Not Done	9.8	0.02	<	1.30
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	12:50 p.m.	Flowing	200	108	1961	0.9	7.9	0.06	0.5	0.99
8/10/1999	10:35 a.m.	1.60	1918	99	2150	4.9	8.1	0.25	0.5	1.20
10/6/1999	9:25 a.m.	1.80	676	411	2140	5.8	8.9	Not Done	Not Done	Not Done
11/2/1999	12:05 p.m.	1.60	246	98	2040	3.2	6.2	0.07	0.1	1.00
2/9/2000	1:05 p.m.	Flowing	160	52	1789	3.4	11.0	0.09	0.3	1.20
5/9/2000	9:15 a.m.	2.90	327	63	1954	2.8	7.5	0.25	0.3	1.90
8/22/2000	11:45 a.m.	Flowing	620	240	1832	6.8	5.8	0.20	0.3	1.20
11/15/2000	1:20 p.m.	1.15	97	51	1831	2.0	8.4	0.07	J 0.1	0.51
2/8/2001	1:20 p.m.	Flowing	1935	305	1734	2.0	12.0	0.07	0.1	0.86
5/7/2001	1:20 p.m.	3.44	97	10	1852	2.1	6.6	0.11	0.2	1.80
8/6/2001	12:59 p.m.	2.38	197	143	1736	7.1	5.0	0.09	0.3	1.70
11/7/2001	2:10 p.m.	1.64	354	131	1915	6.1	7.6	0.08	0.2	0.73
2/4/2002	9:18 a.m.	2.23	2063	160	1990	2.0	10.5	0.07	< 0.2	0.70
5/13/2002	1:58 p.m.	2.65	233	313	1836	4.2	6.1	0.11	J 0.1	1.10
8/6/2002	8:32 a.m.	0.86	716	160	1870	3.6	10.7	0.33	J 0.2	0.60
11/5/2002	10:30 a.m.	0.88	1218	382	1930	3.1	10.3	0.10	0.3	1.10
2/3/2003	1:16 p.m.	0.75	74	20	1875	1.3	9.8	0.10	< 0.3	0.93
5/12/2003	1:15 p.m.	1.39	41	31	1877	1.9	8.2	0.07	< 0.2	< 0.20
Ave. All		1.80	621	154	1906	3.5	8.4	0.12	< 0.2	1.06
Winter		2.23	1386	172	1838	2.5	11.2	0.08	< 0.2	0.92
Spring		3.00	214	124	1901	2.5	7.0	0.13	0.3	1.45
Summer		1.61	863	161	1897	5.6	7.4	0.22	0.3	1.18
Fall		1.41	518	215	1971	4.0	8.5	0.07	< 0.2	0.93
Season Ave		2.06	745	168	1902	3.6	8.5	0.12	< 0.2	1.12

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 917										
11/10/1998	1:30 p.m.	Flowing	< 0.10	0.06	Na	Na	Not Done	Not Done	Not Done	< 0.1
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	12:50 p.m.	Flowing	0.10	0.05	Na	Na	1200	Not Done	Not Done	< 0.1
8/10/1999	10:35 a.m.	1.60	0.10	0.03	Na	Na	1228	Not Done	Not Done	1.1
10/6/1999	9:25 a.m.	1.80	Not Done	Not Done	Na	Na	1324	224	1100	0.9
11/2/1999	12:05 p.m.	1.60	0.36	0.03	Na	Na	1168	152	1016	0.9
2/9/2000	1:05 p.m.	Flowing	0.10	0.03	Na	Na	1240	204	1036	< 0.1
5/9/2000	9:15 a.m.	2.90	< 0.10	< 0.02	Na	2.2	1280	140	1140	1.1
8/22/2000	11:45 a.m.	Flowing	0.20	0.09	Na	3.1	1250	145	1105	3.0
11/15/2000	1:20 p.m.	1.15	J 0.04	< 0.02	Na	2.3	1193	130	1063	2.0
2/8/2001	1:20 p.m.	Flowing	0.10	0.03	0.2	2.2	1110	108	1002	1.9
5/7/2001	1:20 p.m.	3.44	J 0.05	0.05	< 0.1	3.9	1208	133	1075	2.4
8/6/2001	12:59 p.m.	2.38	J 0.06	< 0.02	0.3	6.7	1208	200	1008	0.7
11/7/2001	2:10 p.m.	1.64	J 0.04	< 0.02	0.8	2.7	1210	120	1090	3.5
2/4/2002	9:18 a.m.	2.23	J 0.06	J 0.02	0.1	< 1.0	1273	128	1145	2.1
5/13/2002	1:58 p.m.	2.65	J 0.05	< 0.02	0.5	4.5	1210	184	1026	0.9
8/6/2002	8:32 a.m.	0.86	J 0.05	< 0.02	< 0.1	3.9	1218	140	1078	0.6
11/5/2002	10:30 a.m.	0.88	J 0.08	0.06	< 0.1	2.1	1259	231	1028	0.8
2/3/2003	1:16 p.m.	0.75	0.02	0.04	< 0.1	2.2	1220	148	1072	0.6
5/12/2003	1:15 p.m.	1.39	J 0.07	< 0.02	< 0.1	3.5	1300	272	1028	0.7
Ave. All		1.80	< 0.09	< 0.04	0.2	< 3.1	1228	166	1063	< 1.2
Winter		2.23	0.09	0.03	0.2	< 1.6	1208	147	1061	< 1.4
Spring		3.00	< 0.07	< 0.04	< 0.3	3.5	1225	152	1080	< 1.1
Summer		1.61	0.10	< 0.04	0.2	4.6	1226	162	1064	1.4
Fall		1.41	< 0.13	< 0.04	0.5	2.4	1231	171	1059	< 1.4
Season Ave		2.06	< 0.10	< 0.04	0.3	< 3.0	1222	158	1066	< 1.3

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 917										
11/10/1998	1:30 p.m.	Flowing	252	299	208	2.6	62	100	505	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	12:50 p.m.	Flowing	275	309	229	3.8	69	87	501	244
8/10/1999	10:35 a.m.	1.60	259	294	237	2.9	67	97	519	285
10/6/1999	9:25 a.m.	1.80	244	286	221	4.7	67	105	539	Not Done
11/2/1999	12:05 p.m.	1.60	248	315	221	4.5	57	86	449	Not Done
2/9/2000	1:05 p.m.	Flowing	269	313	232	3.3	72	73	480	217
5/9/2000	9:15 a.m.	2.90	272	314	216	3.3	67	99	522	304
8/22/2000	11:45 a.m.	Flowing	258	328	221	3.0	61	85	463	240
11/15/2000	1:20 p.m.	1.15	261	317	214	2.9	72	92	526	220
2/8/2001	1:20 p.m.	Flowing	235	261	196	2.6	62	96	495	239
5/7/2001	1:20 p.m.	3.44	306	336	227	3.0	74	62	457	133
8/6/2001	12:59 p.m.	2.38	280	358	225	4.0	52	69	385	139
11/7/2001	2:10 p.m.	1.64	277	321	231	2.5	72	97	538	306
2/4/2002	9:18 a.m.	2.23	266	321	220	2.1	74	118	598	311
5/13/2002	1:58 p.m.	2.65	407	543	370	4.5	96	107	662	160
8/6/2002	8:32 a.m.	0.86	257	325	218	1.6	71	106	557	305
11/5/2002	10:30 a.m.	0.88	282	333	226	2.5	75	109	580	309
2/3/2003	1:16 p.m.	0.75	272	337	217	2.6	73	87	517	232
5/12/2003	1:15 p.m.	1.39	290	376	232	2.6	79	73	509	189
Ave. All		1.80	274	331	230	3.1	69	92	516	240
Winter		2.23	257	298	216	2.7	69	96	524	256
Spring		3.00	315	375	260	3.7	76	89	536	210
Summer		1.61	263	326	225	2.9	63	89	481	242
Fall		1.41	261	312	220	3.3	67	98	523	278
Season Ave		2.06	274	328	230	3.1	69	93	516	247

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 920										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:30 a.m.	Flowing	11.2	8.8	5.6	2.8	Not Done	11.0	119.5%	2187
5/25/1999	1:10 p.m.	Flowing	28.9	8.6	8.4	4.0	144	> 20.0	> 200.0%	4610
8/10/1999	11:00 a.m.	Flowing	26.4	8.5	31.0	14.0	166	12.6	157.1%	198600
10/6/1999	8:40 a.m.	Flowing	18.6	8.2	3.6	3.2	Not Done	3.5	38.7%	8164
11/2/1999	12:20 p.m.	Flowing	22.9	8.9	14.2	5.0	Not Done	16.5	192.4%	15530
2/9/2000	1:25 p.m.	Flowing	20.9	9.3	4.4	2.4	126	1.9	21.2%	3080
5/9/2000	11:15 a.m.	Flowing	25.9	8.5	6.2	4.2	147	14.3	179.0%	6130
5/24/2000	3:05 p.m.	Flowing	20.4	8.5	24.0	8.6	150	15.1	113.0%	73300
7/26/2000	12:15 p.m.	1.20	28.8	8.5	Na	Na	146	5.0	64.9%	42200
8/22/2000	12:15 p.m.	Flowing	30.2	8.5	38.8	14.8	147	11.6	160.0%	30900
11/16/2000	9:05 a.m.	0.92	11.2	8.3	3.0	0.8	186	16.9	149.6%	8664
2/8/2001	2:00 p.m.	Flowing	17.4	8.8	4.4	2.0	122	14.8	144.3%	5012
5/8/2001	12:55 p.m.	Flowing	29.8	8.7	6.4	4.4	125	6.4	86.3%	5790
8/7/2001	12:30 a.m.	Flowing	32.7	8.8	32.6	11.4	126	4.8	66.3%	60900
11/6/2001	11:15 a.m.	1.10	22.1	8.5	40.0	11.8	166	6.2	70.6%	12033
2/5/2002	9:14 a.m.	Flowing	11.7	8.1	4.8	2.2	182	2.6	23.4%	5172
5/14/2002	9:32 a.m.	2.02	22.3	8.3	3.8	3.8	166	7.7	87.5%	5200
8/7/2002	2:30 p.m.	0.35	32.3	8.6	76.4	21.2	121	2.7	36.5%	166900
11/5/2002	9:45 a.m.	0.45	17.4	8.3	68.6	21.6	168	7.3	76.9%	9208
2/3/2003	12:15 p.m.	0.53	18.8	8.9	3.6	1.6	138	9.9	106.9%	4611
5/14/2003	12:45 p.m.	1.27	17.7	8.4	2.3	1.5	172	5.4	57.6%	11199
Ave. All		0.98	22.3	8.6	19.1	7.1	150	> 9.3	> 102.5%	32352
Winter		Flowing	15.3	8.8	4.8	2.4	143	7.6	77.1%	3863
Spring		2.02	25.5	8.5	9.8	5.0	146	> 12.7	> 133.2%	19006
Summer		0.77	30.1	8.6	44.7	15.4	141	7.3	97.0%	99900
Fall		0.82	18.4	8.4	25.9	8.5	173	10.1	105.6%	10720
Season Ave		0.95	20.8	8.5	20.8	7.1	151	> 7.8	> 83.5%	25454

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 920										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:30 a.m.	Flowing	74	< 20	1920	0.9	12.8	0.11	< 0.2	0.47
5/25/1999	1:10 p.m.	Flowing	173	41	1935	0.8	9.5	< 0.25	< 0.3	Not Done
8/10/1999	11:00 a.m.	Flowing	857	< 40	2090	3.4	9.6	0.22	0.4	1.30
10/6/1999	8:40 a.m.	Flowing	959	842	2070	1.6	10.5	Not Done	Not Done	Not Done
11/2/1999	12:20 p.m.	Flowing	272	132	2060	1.6	11.0	0.08	0.3	0.70
2/9/2000	1:25 p.m.	Flowing	< 40	41	1729	1.2	15.0	0.08	0.2	0.40
5/9/2000	11:15 a.m.	Flowing	63	73	1796	1.3	9.2	0.14	J 0.1	1.40
5/24/2000	3:05 p.m.	Flowing	1046	400	1707	8.2	9.8	0.17	< 0.3	1.44
7/26/2000	12:15 p.m.	1.20	410	103	1847	10.6	11.0	Na	0.1	Na
8/22/2000	12:15 p.m.	Flowing	776	216	1826	7.1	10.0	0.19	0.2	0.93
11/16/2000	9:05 a.m.	0.92	950	< 40	1864	0.6	12.0	0.06	J 0.2	0.40
2/8/2001	2:00 p.m.	Flowing	1012	253	1856	1.5	18.0	0.09	0.1	1.20
5/8/2001	12:55 p.m.	Flowing	62	< 10	1814	1.6	10.0	0.12	0.6	0.99
8/7/2001	12:30 a.m.	Flowing	520	121	1785	10.1	9.0	Not Done	0.3	1.80
11/6/2001	11:15 a.m.	1.10	554	228	1881	6.4	12.7	0.09	0.3	1.60
2/5/2002	9:14 a.m.	Flowing	185	74	1930	1.2	11.7	0.10	< 0.2	0.37
5/14/2002	9:32 a.m.	2.02	216	85	1856	1.8	8.1	0.19	< 0.2	0.45
8/7/2002	2:30 p.m.	0.35	1025	481	1803	15.2	11.3	0.45	0.4	1.10
11/5/2002	9:45 a.m.	0.45	1930	1565	1812	4.3	12.2	0.11	0.2	0.55
2/3/2003	12:15 p.m.	0.53	74	74	1710	2.1	9.9	0.10	< 0.3	0.64
5/14/2003	12:45 p.m.	1.27	373	146	1918	2.1	12.6	0.08	< 0.2	0.53
Ave. All		0.98	< 551	< 237	1867	4.0	11.2	< 0.15	< 0.3	0.90
Winter		Flowing	< 328	< 97	1859	1.2	14.4	0.09	< 0.2	0.61
Spring		2.02	312	< 122	1822	2.7	9.3	< 0.17	< 0.3	1.07
Summer		0.77	718	< 192	1870	9.3	10.2	0.29	0.3	1.28
Fall		0.82	933	< 561	1937	2.9	11.7	0.09	0.2	0.81
Season Ave		0.95	< 598	< 262	1843	4.0	11.8	< 0.14	< 0.3	0.86

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 920										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:30 a.m.	Flowing	0.04	0.02	Na	Na	1200	Not Done	Not Done	1.0
5/25/1999	1:10 p.m.	Flowing	< 0.20	< 0.20	Na	Na	1176	Not Done	Not Done	< 0.1
8/10/1999	11:00 a.m.	Flowing	0.06	0.04	Na	Na	1212	Not Done	Not Done	< 0.1
10/6/1999	8:40 a.m.	Flowing	Not Done	Not Done	Na	Na	1336	232	1104	0.9
11/2/1999	12:20 p.m.	Flowing	0.04	0.01	Na	Na	1192	164	1028	< 0.1
2/9/2000	1:25 p.m.	Flowing	< 0.10	< 0.02	Na	Na	1200	172	1028	< 0.1
5/9/2000	11:15 a.m.	Flowing	< 0.10	< 0.02	< 0.1	< 1.0	1176	136	1040	1.0
5/24/2000	3:05 p.m.	Flowing	0.12	0.12	Na	Na	1152	172	980	1.7
7/26/2000	12:15 p.m.	1.20	Na	Na	Na	Na	1233	Na	Na	Not Done
8/22/2000	12:15 p.m.	Flowing	0.20	0.07	Na	3.1	1258	175	1083	2.4
11/16/2000	9:05 a.m.	0.92	J 0.03	< 0.02	< 0.1	1.1	1230	138	1092	1.8
2/8/2001	2:00 p.m.	Flowing	0.20	0.11	Na	1.1	1198	100	1098	2.0
5/8/2001	12:55 p.m.	Flowing	J 0.06	0.06	Na	2.4	1205	175	1030	1.5
8/7/2001	12:30 a.m.	Flowing	J 0.09	Not Done	Na	3.0	1195	143	1053	0.6
11/6/2001	11:15 a.m.	1.10	J 0.03	< 0.02	Na	2.1	1290	198	1092	2.4
2/5/2002	9:14 a.m.	Flowing	J 0.04	< 0.02	Na	< 1.0	1228	150	1078	2.2
5/14/2002	9:32 a.m.	2.02	1.30	< 0.02	< 0.1	2.0	1205	155	1050	1.0
8/7/2002	2:30 p.m.	0.35	0.17	0.04	< 0.1	5.6	1190	120	1070	0.7
11/5/2002	9:45 a.m.	0.45	0.21	0.04	< 0.1	2.0	1184	222	962	0.7
2/3/2003	12:15 p.m.	0.53	0.04	0.04	< 0.1	1.4	1238	186	1052	0.6
5/14/2003	12:45 p.m.	1.27	< 0.10	< 0.02	< 0.1	1.7	1364	312	1052	0.8
Ave. All		0.98	< 0.16	< 0.05	< 0.1	< 2.1	1222	174	1052	< 1.1
Winter		Flowing	< 0.09	< 0.04	Na	< 1.1	1207	141	1068	< 1.3
Spring		2.02	< 0.36	< 0.08	< 0.1	< 1.8	1183	160	1025	< 1.1
Summer		0.77	0.13	0.05	< 0.1	3.9	1218	146	1069	< 0.9
Fall		0.82	0.08	< 0.02	< 0.1	1.7	1246	191	1056	< 1.2
Season Ave		0.95	< 0.19	< 0.04	< 0.1	< 2.0	1227	170	1058	< 1.3

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 920										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:30 a.m.	Flowing	247	282	218	3.7	55	100	476	Not Done
5/25/1999	1:10 p.m.	Flowing	253	291	219	3.8	65	94	501	240
8/10/1999	11:00 a.m.	Flowing	252	289	232	2.8	64	104	524	277
10/6/1999	8:40 a.m.	Flowing	242	289	216	2.5	66	113	553	Not Done
11/2/1999	12:20 p.m.	Flowing	252	296	216	2.5	59	91	471	Not Done
2/9/2000	1:25 p.m.	Flowing	249	290	221	2.6	66	81	474	210
5/9/2000	11:15 a.m.	Flowing	244	297	204	3.5	57	86	448	245
5/24/2000	3:05 p.m.	Flowing	224	292	207	2.9	62	102	510	250
7/26/2000	12:15 p.m.	1.20	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	243
8/22/2000	12:15 p.m.	Flowing	255	291	213	2.0	56	92	460	245
11/16/2000	9:05 a.m.	0.92	243	304	212	2.2	69	120	584	310
2/8/2001	2:00 p.m.	Flowing	251	304	213	3.5	58	107	506	203
5/8/2001	12:55 p.m.	Flowing	267	308	217	3.0	65	76	457	209
8/7/2001	12:30 a.m.	Flowing	274	318	219	3.1	57	77	426	211
11/6/2001	11:15 a.m.	1.10	249	295	222	2.0	65	109	541	277
2/5/2002	9:14 a.m.	Flowing	248	300	218	1.6	68	116	568	304
5/14/2002	9:32 a.m.	2.02	237	309	219	1.9	68	110	554	277
8/7/2002	2:30 p.m.	0.35	267	348	233	1.7	64	87	480	201
11/5/2002	9:45 a.m.	0.45	251	321	213	2.0	67	108	544	280
2/3/2003	12:15 p.m.	0.53	225	311	194	2.5	62	91	482	231
5/14/2003	12:45 p.m.	1.27	251	348	213	2.7	72	114	582	286
Ave. All		0.98	249	304	216	2.6	63	99	507	250
Winter		Flowing	249	294	218	2.8	62	101	506	239
Spring		2.02	245	299	213	3.0	63	94	494	244
Summer		0.77	262	312	224	2.4	60	90	472	235
Fall		0.82	247	301	216	2.2	65	108	538	289
Season Ave		0.95	251	313	216	2.4	65	101	518	252

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 922										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	1:45 p.m.	Flowing	31.5	8.6	13.2	5.2	140	> 20.0	> 200.0%	7500
8/10/1999	1:15 p.m.	Flowing	32.6	8.7	57.0	19.0	114	2.1	44.8%	> 241900
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:10 p.m.	Flowing	25.3	9.2	13.6	5.4	Not Done	> 20.0	> 200.0%	10900
2/9/2000	2:00 p.m.	Flowing	21.9	9.4	8.2	4.2	110	1.6	18.1%	3440
5/9/2000	12:10 p.m.	Flowing	30.8	8.7	16.8	6.8	135	10.1	138.0%	12000
8/22/2000	12:25 p.m.	Flowing	31.5	8.5	10.6	5.2	137	14.8	> 200.0%	14136
11/16/2000	10:15 a.m.	0.56	15.1	8.3	2.5	1.4	186	17.3	171.7%	27200
2/8/2001	2:55 p.m.	Flowing	12.3	8.3	11.2	3.6	107	13.0	163.3%	6131
5/9/2001	9:14 a.m.	Flowing	22.8	8.0	14.0	5.6	180	5.3	55.6%	4880
8/8/2001	9:00 a.m.	Flowing	24.1	8.4	28.2	8.4	177	4.8	57.5%	156500
11/6/2001	9:00 a.m.	1.05	22.1	8.2	27.0	7.8	176	5.1	55.8%	14600
12/20/2001	11:00 a.m.	1.07	15.7	8.0	1.5	1.2	168	5.5	55.4%	Na
2/6/2002	10:46 a.m.	1.00	16.8	8.5	9.2	3.8	161	4.8	52.4%	4352
5/14/2002	10:30 a.m.	1.41	28.6	8.6	11.2	5.0	140	7.1	91.7%	14136
8/7/2002	1:30 p.m.	0.19	33.1	8.6	184.0	42.0	136	3.9	55.0%	55600
11/6/2002	10:00 a.m.	0.26	18.3	8.2	7.0	2.2	169	11.8	126.8%	6867
2/4/2003	2:00 p.m.	0.29	21.7	9.0	11.3	3.6	126	7.9	89.9%	2382
5/14/2003	11:15 a.m.	0.77	16.9	8.1	3.2	1.7	172	5.9	60.7%	10462
Ave. All		0.73	23.4	8.5	23.9	7.3	149	> 8.9	> 102.0%	> 34882
Winter		1.00	17.0	8.7	9.5	3.9	126	6.5	77.9%	4641
Spring		1.41	28.4	8.5	13.8	5.7	149	> 10.6	> 121.3%	9629
Summer		0.19	30.3	8.6	70.0	18.7	141	6.4	89.3%	> 117034
Fall		0.73	19.3	8.4	10.3	3.6	175	> 12.0	> 121.9%	14892
Season Ave		0.83	23.8	8.5	25.9	7.9	148	> 8.9	> 102.6%	> 36549

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 922										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	1:45 p.m.	Flowing	110	63	1949	1.9	9.9	< 0.25	< 0.3	Not Done
8/10/1999	1:15 p.m.	Flowing	210	< 40	1908	7.0	9.1	< 0.25	< 0.3	1.20
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:10 p.m.	Flowing	122	41	1970	1.5	11.0	< 0.25	< 0.2	0.80
2/9/2000	2:00 p.m.	Flowing	74	41	1711	1.4	16.0	0.06	0.4	0.46
5/9/2000	12:10 p.m.	Flowing	41	73	1782	4.1	10.0	0.17	J 0.2	0.77
8/22/2000	12:25 p.m.	Flowing	857	197	1804	2.7	13.0	0.18	0.4	0.86
11/16/2000	10:15 a.m.	0.56	108	63	1893	0.7	12.0	0.05	J 0.2	0.30
2/8/2001	2:55 p.m.	Flowing	785	63	1908	3.3	19.0	0.12	0.2	1.40
5/9/2001	9:14 a.m.	Flowing	109	85	1933	3.9	14.0	0.25	J 0.2	0.90
8/8/2001	9:00 a.m.	Flowing	3873	546	1860	4.3	11.0	0.18	J 0.2	1.10
11/6/2001	9:00 a.m.	1.05	495	324	1896	4.2	12.1	0.09	J 0.1	1.50
12/20/2001	11:00 a.m.	1.07	Na	Na	1938	0.9	Na	Na	Na	Na
2/6/2002	10:46 a.m.	1.00	170	158	1860	2.0	12.3	0.06	J 0.1	0.48
5/14/2002	10:30 a.m.	1.41	164	31	1795	1.7	8.3	0.09	J 0.2	0.58
8/7/2002	1:30 p.m.	0.19	1806	132	1769	44.8	13.4	0.26	0.3	1.30
11/6/2002	10:00 a.m.	0.26	1059	294	1836	1.8	13.5	0.07	0.3	0.97
2/4/2003	2:00 p.m.	0.29	20	63	1784	2.1	12.0	0.06	0.5	0.51
5/14/2003	11:15 a.m.	0.77	833	345	1919	2.7	12.3	0.07	< 0.2	< 0.20
Ave. All		0.73	637	< 151	1862	5.0	12.3	< 0.14	< 0.2	0.83
Winter		1.00	343	87	1826	2.2	15.8	0.08	0.2	0.78
Spring		1.41	106	63	1865	2.9	10.6	< 0.19	< 0.2	0.75
Summer		0.19	1687	< 229	1835	14.7	11.6	< 0.22	< 0.3	1.12
Fall		0.73	446	181	1907	1.8	12.2	< 0.12	< 0.2	0.89
Season Ave		0.83	645	< 140	1858	5.4	12.5	< 0.15	< 0.2	0.88

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 922										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	1:45 p.m.	Flowing	Not Done	< 0.20	Na	Na	1200	Not Done	Not Done	< 0.1
8/10/1999	1:15 p.m.	Flowing	0.07	< 0.10	Na	Na	1084	Not Done	Not Done	< 0.1
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:10 p.m.	Flowing	0.04	0.05	Na	Na	1152	156	996	< 0.1
2/9/2000	2:00 p.m.	Flowing	< 0.10	< 0.02	Na	Na	1196	200	996	< 0.1
5/9/2000	12:10 p.m.	Flowing	< 0.10	< 0.02	0.1	1.1	1188	148	1040	1.1
8/22/2000	12:25 p.m.	Flowing	J 0.10	0.06	Na	3.0	1233	105	1128	2.0
11/16/2000	10:15 a.m.	0.56	< 0.10	< 0.02	Na	1.5	1230	138	1092	2.0
2/8/2001	2:55 p.m.	Flowing	0.06	< 0.02	Na	3.2	1245	128	1117	1.9
5/9/2001	9:14 a.m.	Flowing	J 0.04	< 0.02	Na	3.6	1310	188	1122	2.0
8/8/2001	9:00 a.m.	Flowing	J 0.07	J 0.02	Na	3.7	1263	145	1118	0.6
11/6/2001	9:00 a.m.	1.05	J 0.02	< 0.02	Na	2.7	1320	215	1105	1.7
12/20/2001	11:00 a.m.	1.07	Na	Na	Na	< 1.0	1277	178	1099	Not Done
2/6/2002	10:46 a.m.	1.00	J 0.03	< 0.02	Na	< 1.0	1200	150	1050	2.3
5/14/2002	10:30 a.m.	1.41	< 0.10	< 0.02	0.2	1.8	1211	154	1057	0.6
8/7/2002	1:30 p.m.	0.19	0.21	< 0.02	0.1	1.7	1175	135	1040	0.7
11/6/2002	10:00 a.m.	0.26	< 0.10	0.07	0.1	< 1.0	1188	229	959	0.8
2/4/2003	2:00 p.m.	0.29	0.02	0.05	< 0.1	< 1.0	1173	145	1028	0.6
5/14/2003	11:15 a.m.	0.77	< 0.10	< 0.02	< 0.1	1.2	1344	284	1060	0.8
Ave. All		0.73	< 0.08	< 0.04	0.1	< 2.0	1222	169	1063	< 1.0
Winter		1.00	< 0.06	< 0.02	Na	< 2.1	1214	159	1054	< 1.4
Spring		1.41	< 0.08	< 0.07	0.1	2.2	1227	163	1073	< 0.9
Summer		0.19	0.11	< 0.05	0.1	2.8	1189	128	1095	< 0.9
Fall		0.73	< 0.06	< 0.04	0.1	< 1.6	1233	183	1050	< 1.1
Season Ave		0.83	< 0.08	< 0.04	0.1	< 2.2	1216	159	1068	< 1.1

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 922										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	1:45 p.m.	Flowing	247	313	221	3.1	65	92	495	234
8/10/1999	1:15 p.m.	Flowing	229	298	219	2.6	58	81	441	190
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:10 p.m.	Flowing	240	317	221	2.8	59	74	426	Not Done
2/9/2000	2:00 p.m.	Flowing	238	312	219	2.7	67	75	461	183
5/9/2000	12:10 p.m.	Flowing	238	330	207	2.9	58	81	440	225
8/22/2000	12:25 p.m.	Flowing	238	310	203	2.8	54	92	453	228
11/16/2000	10:15 a.m.	0.56	250	345	220	2.1	73	119	598	310
2/8/2001	2:55 p.m.	Flowing	251	352	223	3.8	62	100	505	178
5/9/2001	9:14 a.m.	Flowing	245	326	211	2.9	68	111	556	301
8/8/2001	9:00 a.m.	Flowing	243	321	206	2.7	60	103	505	295
11/6/2001	9:00 a.m.	1.05	235	309	217	2.0	66	115	559	294
12/20/2001	11:00 a.m.	1.07	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	280
2/6/2002	10:46 a.m.	1.00	238	324	214	2.1	68	128	598	268
5/14/2002	10:30 a.m.	1.41	230	327	212	2.6	66	99	517	234
8/7/2002	1:30 p.m.	0.19	251	362	219	1.0	62	84	466	227
11/6/2002	10:00 a.m.	0.26	237	334	211	1.8	67	108	546	282
2/4/2003	2:00 p.m.	0.29	239	344	209	2.3	66	83	477	211
5/14/2003	11:15 a.m.	0.77	246	364	214	2.8	73	118	596	286
Ave. All		0.73	241	329	215	2.5	64	98	508	249
Winter		1.00	242	329	219	2.9	65	101	521	210
Spring		1.41	240	324	213	2.9	64	96	502	249
Summer		0.19	240	323	212	2.2	59	90	466	235
Fall		0.73	240	326	217	2.2	66	104	532	292
Season Ave		0.83	241	326	215	2.5	64	98	506	246

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 923										
11/10/1998	2:15 p.m.	0.75	22.6	8.4	5.4	2.6	Not Done	16.2	192.2%	Not Done
1/6/1999	2:16 p.m.	0.91	22.1	9.0	9.6	4.2	Not Done	4.6	51.4%	Not Done
2/24/1999	11:55 a.m.	0.99	24.8	8.8	10.8	5.6	Not Done	13.4	162.0%	5794
5/11/1999	3:10 p.m.	1.18	28.0	8.5	7.2	3.6	140	> 20.0	> 200.0%	22380
5/25/1999	2:00 p.m.	Flowing	30.8	8.5	14.4	5.6	140	> 20.0	> 200.0%	Not Done
8/10/1999	12:45 p.m.	0.61	31.9	8.7	28.0	14.0	Not Done	5.6	76.8%	6130
10/6/1999	7:45 a.m.	0.72	18.8	7.7	14.0	6.0	Not Done	3.0	32.4%	204600
11/2/1999	1:15 p.m.	0.63	25.7	9.1	7.8	3.6	Not Done	> 20.0	> 200.0%	14136
12/21/1999	3:00 p.m.	Flowing	20.4	8.4	26.4	16.8	Not Done	10.0	108.2%	4611
2/8/2000	2:10 p.m.	0.58	20.6	9.1	5.0	2.6	133	3.8	39.5%	4620
5/8/2000	2:10 p.m.	0.77	29.1	8.8	12.8	7.6	111	12.4	164.2%	12030
5/9/2000	12:33 p.m.	Flowing	29.8	8.7	14.0	11.8	122	11.1	147.0%	7270
8/21/2000	2:15 p.m.	0.75	36.2	8.5	14.4	4.6	125	13.9	178.6%	2613
11/13/2000	2:30 p.m.	0.51	20.6	8.8	6.9	3.2	139	16.7	186.2%	12997
2/7/2001	3:15 p.m.	0.75	15.5	8.1	7.2	3.0	153	11.8	118.0%	581
5/7/2001	2:13 p.m.	1.05	31.7	8.5	8.2	4.8	115	5.7	72.2%	1631
8/6/2001	1:50 p.m.	0.71	33.2	8.5	69.0	21.6	130	5.0	69.6%	112400
11/8/2001	9:00 a.m.	0.92	17.5	8.2	8.4	4.2	178	6.4	55.1%	4884
12/20/2001	10:15 a.m.	0.68	15.8	8.1	1.3	1.2	163	4.3	43.7%	Na
2/4/2002	8:13 a.m.	0.80	9.3	8.0	3.4	2.2	171	4.8	42.2%	4611
5/14/2002	11:28 a.m.	0.94	29.4	8.8	7.0	4.8	128	5.5	72.5%	5200
8/7/2002	11:29 a.m.	0.26	30.1	8.5	64.4	17.6	140	3.5	42.1%	42800
11/6/2002	9:20 a.m.	0.25	16.9	8.1	3.8	2.0	168	9.9	102.4%	12598
2/4/2003	1:45 p.m.	0.30	21.8	8.9	4.0	1.9	120	8.2	94.4%	3880
5/14/2003	10:45 a.m.	0.51	17.0	7.9	6.7	2.8	169	4.2	43.5%	24192
Ave. All		0.71	24.0	8.5	14.4	6.3	141	> 9.6	> 107.8%	24284
Winter		0.81	18.5	8.6	7.2	3.5	152	7.7	82.6%	3902
Spring		0.99	29.8	8.6	10.6	6.4	126	> 12.5	> 142.7%	9702
Summer		0.58	32.9	8.6	44.0	14.5	132	7.0	91.8%	40986
Fall		0.64	19.8	8.4	9.3	5.0	162	> 10.8	> 115.0%	42304
Season Ave		0.75	25.2	8.5	17.8	7.3	143	> 9.5	> 108.0%	24223

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Enter. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 923										
11/10/1998	2:15 p.m.	0.75	Not Done	Not Done	Na	Na	14.0	0.02	< 0.2	1.10
1/6/1999	2:16 p.m.	0.91	Not Done	Not Done	1646	Not Done	12.0	0.03	< 0.2	0.50
2/24/1999	11:55 a.m.	0.99	327	< 20	1552	Not Done	14.7	0.08	< 0.2	0.40
5/11/1999	3:10 p.m.	1.18	135	< 20	2200	1.5	12.0	0.13	< 0.2	< 0.20
5/25/1999	2:00 p.m.	Flowing	Not Done	Not Done	Na	Na	11.5	< 0.25	< 0.3	< 0.30
8/10/1999	12:45 p.m.	0.61	120	74	1956	1.4	13.0	0.13	0.6	2.10
10/6/1999	7:45 a.m.	0.72	884	< 40	1879	4.1	12.8	Not Done	Not Done	Not Done
11/2/1999	1:15 p.m.	0.63	1439	744	2200	1.7	14.0	0.07	0.1	0.70
12/21/1999	3:00 p.m.	Flowing	134	< 40	2070	1.7	Not Done	Not Done	0.1	0.90
2/8/2000	2:10 p.m.	0.58	96	< 40	1866	0.9	16.0	0.07	0.4	1.20
5/8/2000	2:10 p.m.	0.77	73	41	1820	1.8	11.0	0.12	J 0.2	0.52
5/9/2000	12:33 p.m.	Flowing	74	193	1848	2.0	12.0	0.14	J 0.1	0.59
8/21/2000	2:15 p.m.	0.75	275	269	1862	1.4	13.0	0.03	0.3	1.10
11/13/2000	2:30 p.m.	0.51	181	85	1975	2.2	15.0	0.07	0.2	0.30
2/7/2001	3:15 p.m.	0.75	98	73	2020	3.4	17.0	0.07	< 0.2	0.30
5/7/2001	2:13 p.m.	1.05	63	10	1853	1.3	8.7	0.08	< 0.2	1.20
8/6/2001	1:50 p.m.	0.71	1059	243	2030	14.3	12.0	0.20	J 0.2	1.40
11/8/2001	9:00 a.m.	0.92	504	197	1958	1.4	12.5	0.05	0.5	1.20
12/20/2001	10:15 a.m.	0.68	Na	Na	1989	0.8	Na	Na	Na	Na
2/4/2002	8:13 a.m.	0.80	601	146	1980	0.9	10.3	0.06	< 0.2	0.56
5/14/2002	11:28 a.m.	0.94	156	20	1853	2.0	9.8	0.12	J 0.2	0.49
8/7/2002	11:29 a.m.	0.26	1063	288	1826	6.6	14.6	0.15	0.3	0.55
11/6/2002	9:20 a.m.	0.25	5294	561	1885	1.5	15.0	0.04	0.2	0.32
2/4/2003	1:45 p.m.	0.30	31	63	1835	1.3	13.0	0.06	< 0.3	0.24
5/14/2003	10:45 a.m.	0.51	295	422	1979	4.5	13.4	0.08	< 0.2	0.70
Ave. All		0.71	614	< 171	1917	2.7	12.9	< 0.09	< 0.2	< 0.73
Winter		0.81	281	< 70	1813	1.7	14.0	0.06	< 0.2	0.59
Spring		0.99	100	< 57	1915	1.7	10.8	< 0.14	< 0.2	0.55
Summer		0.58	629	219	1919	5.9	13.2	0.13	0.3	1.29
Fall		0.64	1406	< 278	1994	1.9	13.9	0.05	< 0.2	0.75
Season Ave		0.75	604	< 156	1910	2.8	13.0	< 0.09	< 0.2	0.80

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 923										
11/10/1998	2:15 p.m.	0.75	< 0.10	0.06	Na	Na	1208	Not Done	Not Done	< 0.1
1/6/1999	2:16 p.m.	0.91	0.22	< 0.10	Na	Na	1108	Not Done	Not Done	0.4
2/24/1999	11:55 a.m.	0.99	0.03	< 0.02	Na	Na	1228	Not Done	Not Done	0.9
5/11/1999	3:10 p.m.	1.18	0.10	0.03	Na	Na	1252	Not Done	Not Done	< 0.1
5/25/1999	2:00 p.m.	Flowing	Not Done	< 0.20	Na	Na	1256	Not Done	Not Done	< 0.1
8/10/1999	12:45 p.m.	0.61	0.06	< 0.02	Na	Na	1224	Not Done	Not Done	1.3
10/6/1999	7:45 a.m.	0.72	Not Done	Not Done	Na	Na	1296	156	1140	< 0.1
11/2/1999	1:15 p.m.	0.63	0.10	< 0.02	Na	Na	1212	176	1036	< 0.1
12/21/1999	3:00 p.m.	Flowing	0.20	Not Done	Na	Na	1300	161	1139	Not Done
2/8/2000	2:10 p.m.	0.58	0.10	0.10	Na	Na	1300	220	1080	< 0.1
5/8/2000	2:10 p.m.	0.77	< 0.10	0.06	0.2	4.5	1210	90	1120	1.1
5/9/2000	12:33 p.m.	Flowing	< 0.10	0.03	Na	3.0	1240	148	1092	1.1
8/21/2000	2:15 p.m.	0.75	0.10	0.09	Na	2.0	1264	188	1076	2.7
11/13/2000	2:30 p.m.	0.51	< 0.10	< 0.02	Na	11.1	1315	193	1122	0.5
2/7/2001	3:15 p.m.	0.75	0.03	< 0.02	Na	3.2	1298	165	1133	2.3
5/7/2001	2:13 p.m.	1.05	J 0.06	0.03	Na	1.7	1155	138	1017	2.2
8/6/2001	1:50 p.m.	0.71	J 0.09	< 0.02	Na	4.4	1448	243	1205	0.6
11/8/2001	9:00 a.m.	0.92	J 0.03	< 0.02	Na	3.3	1278	145	1133	2.1
12/20/2001	10:15 a.m.	0.68	Na	Na	Na	< 1.0	1335	177	1158	Not Done
2/4/2002	8:13 a.m.	0.80	J 0.10	0.03	Na	< 1.0	1295	135	1160	2.1
5/14/2002	11:28 a.m.	0.94	J 0.04	< 0.02	0.2	2.9	1251	168	1083	0.6
8/7/2002	11:29 a.m.	0.26	0.18	< 0.02	< 0.1	1.5	1208	143	1065	0.7
11/6/2002	9:20 a.m.	0.25	J 0.03	0.05	< 0.1	< 1.0	1239	216	1023	0.8
2/4/2003	1:45 p.m.	0.30	0.03	0.02	< 0.1	< 1.0	1178	143	1035	0.6
5/14/2003	10:45 a.m.	0.51	J 0.04	< 0.02	< 0.1	12.4	1388	284	1104	0.8
Ave. All		0.71	< 0.09	< 0.05	0.1	3.6	1259	173	1101	< 0.9
Winter		0.81	0.10	< 0.05	Na	2.1	1246	173	1124	< 1.2
Spring		0.99	< 0.08	< 0.06	0.2	3.0	1227	136	1078	< 0.8
Summer		0.58	0.11	< 0.04	< 0.1	2.6	1286	191	1115	1.3
Fall		0.64	< 0.09	< 0.03	< 0.1	4.1	1273	175	1107	< 0.6
Season Ave		0.75	< 0.09	< 0.05	0.1	3.0	1258	169	1106	< 1.0

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 923										
11/10/1998	2:15 p.m.	0.75	245	315	215	2.2	59	111	520	Not Done
1/6/1999	2:16 p.m.	0.91	256	339	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	11:55 a.m.	0.99	248	323	221	2.6	55	93	459	Not Done
5/11/1999	3:10 p.m.	1.18	245	327	230	3.3	69	101	537	234
5/25/1999	2:00 p.m.	Flowing	245	327	230	3.3	69	101	537	234
8/10/1999	12:45 p.m.	0.61	265	341	250	2.8	65	100	517	Not Done
10/6/1999	7:45 a.m.	0.72	237	323	220	2.6	67	119	573	Not Done
11/2/1999	1:15 p.m.	0.63	248	329	228	2.9	61	83	459	Not Done
12/21/1999	3:00 p.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/8/2000	2:10 p.m.	0.58	245	342	228	2.8	69	92	516	222
5/8/2000	2:10 p.m.	0.77	241	364	215	2.8	58	73	421	185
5/9/2000	12:33 p.m.	Flowing	244	366	214	2.9	59	82	449	203
8/21/2000	2:15 p.m.	0.75	257	355	234	2.3	64	99	510	208
11/13/2000	2:30 p.m.	0.51	261	399	220	2.8	72	103	554	232
2/7/2001	3:15 p.m.	0.75	252	356	238	2.2	71	110	567	255
5/7/2001	2:13 p.m.	1.05	261	329	215	2.2	64	79	462	192
8/6/2001	1:50 p.m.	0.71	299	428	244	2.6	70	95	526	217
11/8/2001	9:00 a.m.	0.92	245	345	229	1.5	69	121	585	297
12/20/2001	10:15 a.m.	0.68	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	272
2/4/2002	8:13 a.m.	0.80	228	361	218	1.3	71	124	603	285
5/14/2002	11:28 a.m.	0.94	244	366	227	1.6	67	95	514	214
8/7/2002	11:29 a.m.	0.26	250	378	219	2.6	64	98	511	234
11/6/2002	9:20 a.m.	0.25	247	369	221	1.5	69	114	568	280
2/4/2003	1:45 p.m.	0.30	247	375	217	2.2	69	86	498	200
5/14/2003	10:45 a.m.	0.51	248	381	219	3.0	74	124	614	282
Ave. All		0.71	250	354	225	2.4	66	100	523	236
Winter		0.81	246	344	226	2.2	67	105	536	254
Spring		0.99	247	346	222	2.7	65	88	487	210
Summer		0.58	268	376	237	2.6	66	98	516	220
Fall		0.64	247	347	222	2.3	66	108	543	270
Season Ave		0.75	252	353	227	2.4	66	100	521	239

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 924										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:15 p.m.	Flowing	85	218	1963	1.1	13.1	< 0.25	< 0.3	1.25
8/10/1999	1:45 p.m.	Flowing	211	< 40	2150	7.1	12.0	0.12	0.6	0.90
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:35 p.m.	Flowing	110	187	2180	1.5	14.0	0.07	0.2	0.80
2/9/2000	2:15 p.m.	Flowing	74	< 40	1876	1.3	20.0	0.06	0.2	0.40
5/9/2000	1:01 p.m.	Flowing	120	96	1874	1.7	12.0	0.12	J 0.1	0.66
8/22/2000	12:45 p.m.	Flowing	305	85	1950	1.7	17.0	0.10	0.3	0.65
11/16/2000	10:50 a.m.	0.54	74	< 40	1996	0.8	15.0	0.04	0.2	0.40
2/8/2001	3:15 p.m.	Flowing	766	314	2090	9.7	21.0	0.05	0.2	1.30
5/9/2001	9:50 a.m.	Flowing	20	< 10	1986	1.6	14.0	0.17	J 0.2	0.54
8/8/2001	10:00 a.m.	Flowing	1616	259	1924	4.6	13.0	0.08	J 0.1	0.75
11/6/2001	9:45 a.m.	0.66	488	86	1965	3.3	13.8	0.05	0.3	1.20
12/20/2001	9:30 a.m.	Flowing	Na	Na	2020	0.8	Na	Na	Na	Na
2/6/2002	9:43 a.m.	0.74	173	41	2000	2.8	15.1	0.05	0.2	0.64
5/14/2002	1:15 p.m.	0.86	41	51	1856	4.0	9.5	0.14	J 0.2	0.80
8/7/2002	10:25 a.m.	0.18	675	158	1868	13.3	15.3	0.12	0.3	0.53
11/6/2002	9:00 a.m.	0.22	12616	1445	1888	2.5	16.1	0.06	0.3	0.34
2/4/2003	1:10 p.m.	0.25	20	52	1870	1.4	16.1	0.04	< 0.3	0.46
5/14/2003	10:00 a.m.	0.39	341	583	2000	7.3	14.0	0.07	< 0.2	0.55
Ave. All		0.48	1043	< 218	1970	3.7	14.8	< 0.09	< 0.2	0.72
Winter		0.74	338	< 132	1989	4.6	18.7	0.05	0.2	0.78
Spring		0.86	67	< 94	1920	2.1	12.2	< 0.17	< 0.2	0.81
Summer		0.18	702	< 136	1973	6.7	14.3	0.10	0.3	0.71
Fall		0.47	3322	< 440	2010	1.8	14.7	0.05	0.2	0.69
Season Ave		0.56	1107	< 200	1973	3.8	15.0	< 0.10	< 0.2	0.75

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Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 924										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:15 p.m.	Flowing	29.9	8.4	6.0	3.2	138	> 20.0	> 200.0%	4110
8/10/1999	1:45 p.m.	Flowing	30.9	8.2	45.0	15.0	140	6.0	79.6%	51720
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:35 p.m.	Flowing	25.5	8.8	13.6	4.8	Not Done	> 20.0	> 200.0%	2495
2/9/2000	2:15 p.m.	Flowing	22.0	9.0	6.0	3.2	125	1.6	17.9%	6490
5/9/2000	1:01 p.m.	Flowing	30.0	8.7	7.4	5.0	113	12.5	165.0%	14140
8/22/2000	12:45 p.m.	Flowing	31.7	8.1	11.8	4.6	147	11.3	154.1%	4884
11/16/2000	10:50 a.m.	0.54	17.9	8.8	4.5	1.0	161	18.2	188.8%	11200
2/8/2001	3:15 p.m.	Flowing	17.4	8.2	10.4	2.8	156	12.6	131.9%	6488
5/9/2001	9:50 a.m.	Flowing	24.2	8.2	6.2	3.4	164	5.6	67.5%	4352
8/8/2001	10:00 a.m.	Flowing	27.3	8.4	13.8	5.8	155	5.1	65.5%	88400
11/6/2001	9:45 a.m.	0.66	20.7	8.0	5.6	2.8	169	5.0	56.4%	2014
12/20/2001	9:30 a.m.	Flowing	15.6	8.0	3.1	1.5	167	4.8	49.0%	Na
2/6/2002	9:43 a.m.	0.74	13.6	8.2	4.8	2.2	164	6.2	60.3%	1119
5/14/2002	1:15 p.m.	0.86	31.0	8.5	40.2	13.6	128	4.7	63.9%	2909
8/7/2002	10:25 a.m.	0.18	26.8	8.3	32.0	10.0	146	5.4	67.7%	17182
11/6/2002	9:00 a.m.	0.22	15.7	7.8	16.6	6.0	162	7.2	72.5%	24192
2/4/2003	1:10 p.m.	0.25	21.9	8.7	6.6	2.4	132	8.6	98.6%	8280
5/14/2003	10:00 a.m.	0.39	17.1	7.9	22.4	7.1	165	4.5	46.8%	19863
Ave. All		0.48	23.3	8.3	14.2	5.2	149	> 8.9	> 99.2%	15873
Winter		0.74	17.7	8.5	7.1	2.7	148	6.8	70.0%	4699
Spring		0.86	28.8	8.5	15.0	6.3	136	> 10.7	> 124.1%	6378
Summer		0.18	29.2	8.3	25.7	8.9	147	7.0	91.7%	40547
Fall		0.47	19.1	8.3	8.7	3.2	165	> 11.0	> 113.3%	9975
Season Ave		0.56	23.7	8.4	14.1	5.3	149	> 8.9	> 99.8%	15400

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 924										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:15 p.m.	Flowing	Not Done	< 0.20	Na	Na	1288	Not Done	Not Done	< 0.1
8/10/1999	1:45 p.m.	Flowing	0.08	0.02	Na	Na	1272	Not Done	Not Done	< 0.1
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:35 p.m.	Flowing	0.07	< 0.02	Na	Na	1284	196	1088	< 0.1
2/9/2000	2:15 p.m.	Flowing	< 0.10	< 0.02	Na	Na	1316	196	1120	< 0.1
5/9/2000	1:01 p.m.	Flowing	< 0.10	< 0.02	0.2	3.0	1260	152	1108	1.1
8/22/2000	12:45 p.m.	Flowing	0.63	0.04	Na	< 2.0	1350	130	1220	2.3
11/16/2000	10:50 a.m.	0.54	< 0.10	< 0.02	Na	< 2.0	1318	140	1178	1.6
2/8/2001	3:15 p.m.	Flowing	0.10	0.02	Na	< 1.0	1373	130	1243	2.2
5/9/2001	9:50 a.m.	Flowing	J 0.03	< 0.02	Na	3.5	1395	190	1205	2.3
8/8/2001	10:00 a.m.	Flowing	0.20	J 0.02	Na	3.8	1193	158	1035	0.7
11/6/2001	9:45 a.m.	0.66	J 0.02	< 0.02	Na	2.9	1308	215	1093	2.1
12/20/2001	9:30 a.m.	Flowing	Na	Na	Na	< 1.0	1354	169	1185	Not Done
2/6/2002	9:43 a.m.	0.74	J 0.03	< 0.02	Na	< 1.0	1299	175	1124	2.3
5/14/2002	1:15 p.m.	0.86	< 0.10	< 0.02	0.1	1.5	1253	175	1078	0.8
8/7/2002	10:25 a.m.	0.18	0.11	J 0.02	< 0.1	< 1.0	1243	158	1085	0.7
11/6/2002	9:00 a.m.	0.22	J 0.04	0.10	< 0.1	0.6	1281	234	1047	0.8
2/4/2003	1:10 p.m.	0.25	0.02	0.06	< 0.1	10.4	1250	140	1110	0.6
5/14/2003	10:00 a.m.	0.39	0.16	< 0.02	< 0.1	3.7	1432	316	1116	0.8
Ave. All		0.48	< 0.12	< 0.04	< 0.1	< 2.7	1304	180	1127	< 1.1
Winter		0.74	< 0.08	< 0.02	Na	< 1.0	1329	167	1162	< 1.5
Spring		0.86	< 0.08	< 0.07	0.2	2.7	1299	172	1130	< 1.1
Summer		0.18	0.26	0.02	< 0.1	< 2.3	1264	149	1113	< 0.9
Fall		0.47	< 0.06	< 0.04	< 0.1	< 1.6	1309	191	1118	< 1.1
Season Ave		0.56	< 0.12	< 0.04	< 0.1	< 1.9	1300	170	1131	< 1.2

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 924										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:15 p.m.	Flowing	252	342	216	3.2	69	104	542	230
8/10/1999	1:45 p.m.	Flowing	237	351	229	2.2	66	107	537	234
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:35 p.m.	Flowing	250	363	231	2.8	63	95	497	Not Done
2/9/2000	2:15 p.m.	Flowing	254	348	247	2.7	67	89	500	209
5/9/2000	1:01 p.m.	Flowing	245	383	216	2.8	59	78	440	188
8/22/2000	12:45 p.m.	Flowing	239	359	213	2.0	56	104	489	246
11/16/2000	10:50 a.m.	0.54	258	386	235	1.9	75	124	618	268
2/8/2001	3:15 p.m.	Flowing	262	371	233	2.1	72	123	604	260
5/9/2001	9:50 a.m.	Flowing	255	373	216	2.8	70	113	570	273
8/8/2001	10:00 a.m.	Flowing	259	369	220	2.5	62	105	518	259
11/6/2001	9:45 a.m.	0.66	224	339	226	1.8	68	103	537	282
12/20/2001	9:30 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	278
2/6/2002	9:43 a.m.	0.74	236	381	222	2.8	74	124	613	274
5/14/2002	1:15 p.m.	0.86	227	365	218	1.8	69	95	522	214
8/7/2002	10:25 a.m.	0.18	249	392	220	0.7	67	106	540	244
11/6/2002	9:00 a.m.	0.22	244	391	216	2.3	70	121	592	271
2/4/2003	1:10 p.m.	0.25	245	395	215	2.4	71	98	537	220
5/14/2003	10:00 a.m.	0.39	253	403	221	2.8	77	125	627	275
Ave. All		0.48	246	371	223	2.3	68	107	546	249
Winter		0.74	251	367	234	2.5	71	112	572	248
Spring		0.86	245	366	216	2.6	67	98	519	226
Summer		0.18	246	368	220	1.9	63	106	521	246
Fall		0.47	244	370	227	2.2	69	111	561	275
Season Ave		0.56	246	367	224	2.3	67	107	543	249

Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 925										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:30 p.m.	Flowing	96	169	1875	2.3	9.7	0.11	0.4	0.78
8/10/1999	2:00 p.m.	Flowing	749	< 40	1856	5.2	8.6	< 0.25	< 0.3	1.20
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:40 p.m.	Flowing	259	246	2290	1.2	18.4	< 0.25	< 0.2	0.20
2/9/2000	2:30 p.m.	Flowing	< 40	< 40	1872	1.3	20.0	0.07	0.3	0.77
5/9/2000	1:24 p.m.	Flowing	508	84	2010	2.0	13.0	0.11	< 0.2	0.76
8/22/2000	1:00 p.m.	Flowing	836	496	1904	9.4	16.0	0.07	J 0.1	0.55
11/16/2000	11:20 a.m.	0.52	108	160	2030	1.4	16.0	J 0.01	J 0.1	0.20
2/9/2001	8:13 a.m.	Flowing	288	254	1967	19.8	17.0	0.06	0.2	0.68
5/9/2001	10:30 a.m.	Flowing	131	106	1867	2.6	13.0	0.17	0.7	0.84
8/8/2001	9:30 a.m.	Flowing	1725	1467	1807	15.5	11.0	0.09	J 0.2	1.30
11/6/2001	10:30 a.m.	0.14	771	74	1885	1.9	13.4	0.06	< 0.2	1.30
12/20/2001	9:05 a.m.	Flowing	Na	Na	1942	2.6	Na	Na	Na	Na
2/6/2002	9:07 a.m.	0.10	393	638	2000	8.5	16.3	0.05	< 0.2	0.52
5/14/2002	2:10 p.m.	0.41	74	134	1545	1.8	6.7	0.19	J 0.1	0.88
8/7/2002	9:15 a.m.	0.26	359	1529	1842	10.3	10.5	0.13	1.5	0.74
11/6/2002	8:15 a.m.	0.11	457	585	1752	1.8	13.7	0.04	0.3	0.45
2/4/2003	12:45 p.m.	0.20	20	74	2040	1.5	17.6	0.01	< 0.3	0.53
5/14/2003	9:00 a.m.	0.27	135	158	1971	1.0	10.9	0.14	< 0.2	0.50
Ave. All		0.25	< 409	< 368	1914	5.0	13.6	< 0.11	< 0.3	0.72
Winter		0.10	< 240	< 311	1946	9.9	17.8	0.06	< 0.2	0.66
Spring		0.41	202	123	1824	2.2	10.6	0.15	< 0.3	0.82
Summer		0.26	917	< 883	1852	10.1	11.5	< 0.14	< 0.5	0.95
Fall		0.26	344	215	1896	1.8	15.8	< 0.04	< 0.2	0.68
Season Ave		0.26	< 426	< 383	1880	6.0	13.9	< 0.10	< 0.3	0.77

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 925										
11/10/1998	Not Done	Not Done	Not Done	Not Done	7.0	3.0	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:30 p.m.	Flowing	29.8	8.7	24.8	8.4	124	> 20.0	> 200.0%	4350
8/10/1999	2:00 p.m.	Flowing	33.2	8.9	47.0	17.0	107	8.8	121.3%	68670
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:40 p.m.	Flowing	21.5	8.7	7.0	3.0	Not Done	11.9	135.2%	22600
2/9/2000	2:30 p.m.	Flowing	22.7	8.8	20.4	7.4	121	1.4	15.9%	5170
5/9/2000	1:24 p.m.	Flowing	31.7	8.4	7.6	3.8	113	10.5	142.0%	13000
8/22/2000	1:00 p.m.	Flowing	28.0	8.4	18.6	7.0	122	10.7	132.3%	14500
11/16/2000	11:20 a.m.	0.52	17.2	7.7	7.6	2.1	141	10.3	102.7%	28200
2/9/2001	8:13 a.m.	Flowing	6.8	8.2	25.0	3.6	192	11.9	106.6%	6294
5/9/2001	10:30 a.m.	Flowing	29.4	8.5	4.4	2.4	148	4.7	61.7%	27500
8/8/2001	9:30 a.m.	Flowing	25.8	8.5	33.2	11.0	146	4.0	53.3%	186000
11/6/2001	10:30 a.m.	0.14	22.8	8.4	14.4	5.4	158	5.9	68.7%	6131
12/20/2001	9:05 a.m.	Flowing	11.6	8.6	3.0	1.5	134	9.2	91.6%	Na
2/6/2002	9:07 a.m.	0.10	10.9	8.3	53.0	11.8	143	5.1	46.3%	3436
5/14/2002	2:10 p.m.	0.41	31.8	8.9	4.2	4.2	98	4.5	61.9%	4532
8/7/2002	9:15 a.m.	0.26	25.8	8.2	61.2	20.0	122	3.3	40.6%	166900
11/6/2002	8:15 a.m.	0.11	12.6	8.1	2.4	1.6	166	8.3	77.6%	18581
2/4/2003	12:45 p.m.	0.20	17.0	8.3	3.3	2.3	118	5.9	61.8%	6680
5/14/2003	9:00 a.m.	0.27	17.2	8.0	1.7	1.2	176	4.9	51.5%	5172
Ave. All		0.25	22.0	8.4	18.2	6.1	137	> 7.9	> 87.3%	34572
Winter		0.10	13.5	8.4	32.8	7.6	152	6.1	56.3%	4967
Spring		0.41	30.7	8.6	10.3	4.7	121	> 9.9	> 116.4%	12346
Summer		0.26	28.2	8.5	40.0	13.8	124	6.7	86.9%	109018
Fall		0.26	17.4	8.3	9.1	3.5	144	7.0	71.3%	14521
Season Ave		0.26	22.4	8.5	23.0	7.4	135	> 7.4	> 82.7%	35213

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Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-JV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 925										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:30 p.m.	Flowing	0.42	< 0.02	Na	Na	1208	Not Done	Not Done	< 0.1
8/10/1999	2:00 p.m.	Flowing	0.06	< 0.10	Na	Na	1036	Not Done	Not Done	< 0.1
10/6/1999	Not Done	Not Done	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:40 p.m.	Flowing	0.09	0.07	Na	Na	1448	252	1196	< 0.1
2/9/2000	2:30 p.m.	Flowing	< 0.10	< 0.02	Na	Na	1308	196	1112	< 0.1
5/9/2000	1:24 p.m.	Flowing	< 0.10	< 0.02	Na	3.1	1420	188	1232	1.2
8/22/2000	1:00 p.m.	Flowing	0.96	0.05	Na	4.7	1350	180	1170	2.6
11/16/2000	11:20 a.m.	0.52 J	0.06	0.04	Na	2.0	1378	158	1220	1.5
2/9/2001	8:13 a.m.	Flowing	0.10	0.07	Na	< 1.0	1260	126	1134	1.8
5/9/2001	10:30 a.m.	Flowing J	0.04	< 0.02	Na	4.5	1268	160	1108	1.5
8/8/2001	9:30 a.m.	Flowing J	0.10	0.02	Na	3.4	1175	160	1015	0.6
11/6/2001	10:30 a.m.	0.14 J	0.02	< 0.02	Na	3.3	1388	238	1150	0.8
12/20/2001	9:05 a.m.	Flowing	Na	Na	Na	< 1.0	1287	169	1118	Not Done
2/6/2002	9:07 a.m.	0.10 J	0.08	< 0.02	Na	< 1.0	1310	171	1139	2.0
5/14/2002	2:10 p.m.	0.41 J	0.09	0.06	0.1	8.0	1028	139	1078	0.7
8/7/2002	9:15 a.m.	0.26	0.17	0.02	0.1	1.1	1223	150	1073	0.7
11/6/2002	8:15 a.m.	0.11 J	0.04	0.10	< 0.1	1.0	1155	227	928	0.9
2/4/2003	12:45 p.m.	0.20	0.02	0.14	< 0.1	< 1.0	1354	159	1195	0.7
5/14/2003	9:00 a.m.	0.27 J	0.10	< 0.02	< 0.1	3.6	1372	288	1084	0.7
Ave. All		0.25	< 0.15	< 0.05	0.1	< 2.8	1276	185	1122	< 0.9
Winter		0.10	< 0.09	< 0.04	Na	< 1.0	1293	164	1128	< 1.3
Spring		0.41	< 0.16	< 0.03	0.1	5.2	1231	162	1139	< 0.9
Summer		0.26	0.32	< 0.05	0.1	3.1	1196	163	1086	< 1.0
Fall		0.26	0.05	< 0.04	< 0.1	1.8	1303	198	1106	< 0.8
Season Ave		0.26	< 0.16	< 0.04	0.1	< 2.8	1256	172	1115	< 1.0

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
Station 925										
11/10/1998	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
1/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
2/24/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
5/25/1999	2:30 p.m.	Flowing	255	334	236	3.3	65	89	489	207
8/10/1999	2:00 p.m.	Flowing	209	303	233	1.9	50	68	374	178
10/6/1999	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
11/2/1999	1:40 p.m.	Flowing	232	457	222	3.2	70	117	580	Not Done
2/9/2000	2:30 p.m.	Flowing	248	363	233	2.5	71	96	530	202
5/9/2000	1:24 p.m.	Flowing	230	494	210	3.5	66	108	540	188
8/22/2000	1:00 p.m.	Flowing	229	398	212	1.7	54	92	453	204
11/16/2000	11:20 a.m.	0.52	242	465	220	2.2	79	135	662	236
2/9/2001	8:13 a.m.	Flowing	219	307	230	2.3	64	114	548	320
5/9/2001	10:30 a.m.	Flowing	241	334	219	2.8	63	93	490	247
8/8/2001	9:30 a.m.	Flowing	232	349	215	2.8	56	89	455	243
11/6/2001	10:30 a.m.	0.14	237	345	220	1.6	69	119	579	264
12/20/2001	9:05 a.m.	Flowing	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	223
2/6/2002	9:07 a.m.	0.10	224	413	221	1.8	75	117	600	238
5/14/2002	2:10 p.m.	0.41	180	301	192	2.4	55	70	404	164
8/7/2002	9:15 a.m.	0.26	259	356	225	4.4	55	104	489	204
11/6/2002	8:15 a.m.	0.11	219	338	207	1.9	65	96	507	277
2/4/2003	12:45 p.m.	0.20	243	524	222	2.9	96	113	676	197
5/14/2003	9:00 a.m.	0.27	261	356	223	2.7	74	118	600	294
Ave. All		0.25	233	379	220	2.6	66	102	528	229
Winter		0.10	230	361	228	2.2	70	109	560	253
Spring		0.41	226	366	214	3.0	62	90	481	202
Summer		0.26	232	351	221	2.7	54	88	443	207
Fall		0.26	236	378	220	2.1	71	111	570	240
Season Ave		0.26	231	364	221	2.5	64	100	513	226

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Sample Station Date	Time of Sample on	Flow as MGD on	Fecal Coliform as Col./100ml	Entero. Coliform as Col./100ml	Conductivity umhos/cm	Turbidity NTU	Nitrate as mg/l N	Nitrite as mg/l N	Ammonia (NH4+) as mg/l N	Total Kjeldahl Nitrogen as mg/l N
Station 912 (Samples Collected on										
1/25/1999	1:45 p.m.	1.0" rain	9200	Not Done	Not Done	Not Done	0.7	0.07	0.7	1.50
12/10/1999	7:35 a.m.	0.55" rain	613	399	2160	3.6	Not Done	Not Done	Not Done	Not Done
4/18/2000	12:10 p.m.	0.85" rain	8164	7701	490	29.5	2.3	0.01	< 0.1	1.11
1/11/2001	8:25 a.m.	1.50" rain	Not Done	Not Done	164	90.4	< 0.5	0.05	0.8	2.60
1/26/2001	2:10 p.m.	0.70" rain	8664	Not Done	250	127.0	2.0	0.01	1.3	2.40
9/6/2002	2:56 p.m.	0.08" rain	Not Done	Not Done	1957	Not Done	7.7	Not Done	Not Done	Not Done
Average		0.92" rain	6660	4050	766	62.6	< 2.6	0.03	< 0.7	1.90
Station 916 (Samples Collected on										
4/18/2000	11:35 a.m.	0.85" rain	11199	4352	367	42.2	2.3	0.02	0.1	1.12
1/11/2001	8:05 a.m.	1.50" rain	Not Done	Not Done	145	73.9	< 0.5	0.04	0.6	1.40
1/26/2001	2:10 p.m.	0.70" rain	12033	Not Done	137	116.0	2.0	0.01	1.0	2.00
9/6/2002	3:06 p.m.	0.08" rain	Not Done	Not Done	1287	Not Done	< 1.0	Not Done	Not Done	Not Done
Average		1.02" rain	11616	4352	216	77.4	< 1.4	0.02	0.6	1.51
Station 920 (Samples Collected on										
1/25/1999	1:15 p.m.	1.0" rain	15400	Not Done	Not Done	Not Done	0.9	0.06	0.2	2.40
4/18/2000	10:35 a.m.	0.85" rain	12997	7701	354	50.5	2.6	0.03	< 0.1	1.05
Average	11:55 a.m.	0.93" rain	14199	7701	354	50.5	1.8	0.05	< 0.2	1.73
Station 940 (Samples Collected on										
1/25/1999	1:22 p.m.	1.0" rain	31000	Not Done	Not Done	Not Done	1.1	0.08	0.8	1.90
4/18/2000	10:25 a.m.	0.85" rain	5475	2489	745	14.1	2.4	0.02	< 0.1	1.02
Average	11:53 a.m.	0.93" rain	18238	2489	745	14.1	1.8	0.05	< 0.5	1.46
Method No.	na	na	Colilert 18	Entrolilert	2510B	2130B	SM4500 NO3D	354.10	350.2	351.30
PDL as mg/l	na	na	20	20	na	0.1	1.0	0.02	0.2	0.20

Sample Station Date	Time of Sample on	Flow as MGD on	Temperature as Deg C	pH as units	Total Suspended Solids as mg/l	Volatile Suspended Solids as mg/l	Total Alkalinity as mg/l CO3	Dissolved Oxygen as mg/l	D.O. Percent Saturation %	Total Coliform as Col./100ml
Station 912 (Samples Collected on Rainy Days)										
1/25/1999	1:45 p.m.	1.0" rain	11.6	8.1	Na	Na	Not Done	5.1	46.5%	95900
12/10/1999	7:35 a.m.	0.55" rain	Not Done	8.2	31.0	13.0	Not Done	Not Done	Not Done	41000
4/18/2000	12:10 p.m.	0.85" rain	16.2	7.9	24.6	6.0	Not Done	8.3	84.3%	290000
1/11/2001	8:25 a.m.	1.50" rain	10.5	7.3	140.0	29.0	16	10.4	97.2%	Not Done
1/26/2001	2:10 p.m.	0.70" rain	10.8	7.4	186.0	49.6	25	10.6	97.9%	65000
9/6/2002	2:56 p.m.	0.08" rain	Not Done	8.2	29.0	13.0	Not Done	Not Done	Not Done	Not Done
Average		0.92" rain	12.3	7.8	95.4	24.4	20	8.6	81.5%	122975
Station 916 (Samples Collected on Rainy Days)										
4/18/2000	11:35 a.m.	0.85" rain	19.2	8.0	32.4	9.2	Not Done	9.1	96.3%	36500
1/11/2001	8:05 a.m.	1.50" rain	10.9	7.3	92	22	12	10.5	100.7%	Not Done
1/26/2001	2:10 p.m.	0.70" rain	10.6	7.6	172	41	16	10.8	98.8%	71000
9/6/2002	3:06 p.m.	0.08" rain	Not Done	7.6	302	203	Not Done	Not Done	Not Done	Not Done
Average		1.02" rain	13.6	7.6	98.7	24.1	14	10.1	98.6%	53750
Station 920 (Samples Collected on Rainy Days)										
1/25/1999	1:15 p.m.	1.0" rain	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	49600
4/18/2000	10:35 a.m.	0.85" rain	17.7	7.8	48.6	13.4	Not Done	9.1	95.6%	30700
Average	11:55 a.m.	0.93" rain	17.7	7.8	48.6	13.4	Na	9.1	95.6%	40150
Station 940 (Samples Collected on Rainy Days)										
1/25/1999	1:22 p.m.	1.0" rain	Not Done	Not Done	Na	Na	Not Done	Not Done	Not Done	148300
4/18/2000	10:25 a.m.	0.85" rain	17.6	7.9	6.6	3.2	Not Done	9.4	97.8%	131000
Average	11:53 a.m.	0.93" rain	17.6	7.9	6.6	3.2	#DIV/0!	9.4	97.8%	139650
Method No.	na	na	na	SM 4500B	SM 2540B	SM 2540E	2320B	SM4500OG	SM4500OG	Colilert 18
PDL as mg/l	na	na	0.1	0.1	2.0	2.0	5	0 - 20	0 - 200%	20

19b of 20

Sample Station Date	Time of Sample on	Flow as MGD on	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Surfactants MBAS as mg/l	Surfactants Pastel-UV as mg/l	Total Dissolved Solids as mg/l	Volatile TDS as mg/l	Non Volatile TDS as mg/l	Fluoride as mg/l
Station 912 (Samples Collected on										
1/25/1999	1:45 p.m.	1.0" rain	0.34	0.22	Na	Na	Not Done	Not Done	Not Done	< 0.1
12/10/1999	7:35 a.m.	0.55" rain	Not Done	Not Done	Na	Na	1279	Not Done	Not Done	0.6
4/18/2000	12:10 p.m.	0.85" rain	0.26	0.16	Na	Na	312	50	262	0.9
1/11/2001	8:25 a.m.	1.50" rain	0.62	0.23	0.1	3.3	115	8	108	< 1.0
1/26/2001	2:10 p.m.	0.70" rain	0.48	0.22	0.4	3.7	149	27	122	< 1.0
9/6/2002	2:56 p.m.	0.08" rain	Not Done	Not Done	Not Done	2.7	1258	170	1088	Not Done
Average		0.92" rain	0.43	0.21	0.2	3.5	464	28	164	< 0.7
Station 916 (Samples Collected on										
4/18/2000	11:35 a.m.	0.85" rain	0.25	0.17	Na	Na	240	40	200	< 0.1
1/11/2001	8:05 a.m.	1.50" rain	0.53	0.24	0.1	3.1	110	5	105	< 1.0
1/26/2001	2:10 p.m.	0.70" rain	0.36	0.20	0.3	5.3	166	100	66	< 1.0
9/6/2002	3:06 p.m.	0.08" rain	Not Done	Not Done	Not Done	< 1.0	973	283	690	Not Done
Average		1.02" rain	0.38	0.20	0.2	4.2	172	48	124	< 0.7
Station 920 (Samples Collected on										
1/25/1999	1:15 p.m.	1.0" rain	0.30	0.24	Na	Na	Not Done	Not Done	Not Done	Not Done
4/18/2000	10:35 a.m.	0.85" rain	0.27	0.17	Na	Na	234	38	196	< 0.1
Average	11:55 a.m.	0.93" rain	0.29	0.20	Na	Na	234	38	196	< 0.1
Station 940 (Samples Collected on										
1/25/1999	1:22 p.m.	1.0" rain	0.32	0.23	Na	Na	Not Done	Not Done	Not Done	Not Done
4/18/2000	10:25 a.m.	0.85" rain	0.22	0.16	Na	Na	484	80	404	< 0.1
Average	11:53 a.m.	0.93" rain	0.27	0.19	Na	Na	484	80	404	< 0.1
Method No.	na	na	365.20	365.20	425.1	Pastel-UV	SM2540C	SM2540E	SM2540E	300.0
PDL as mg/l	na	na	0.10	0.02	0.1	1.0	1	1	1	0.1

Sample Station Date	Time of Sample on	Flow as MGD on	Chloride as mg/l	Sulfate as mg/l	Sodium as mg/l	Potassium as mg/l	Magnesium as mg/l	Calcium as mg/l	Hardness as mg/l CaCO ₃	Total Alkalinity as mg/l CaCO ₃
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Station 912 (Samples Collected on

1/25/1999	1:45 p.m.	1.0" rain	255	310	200	3.6	65	109	540	Not Done
12/10/1999	7:35 a.m.	0.55" rain	291	337	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
4/18/2000	12:10 p.m.	0.85" rain	281	316	240	3.7	64	93	497	Not Done
1/11/2001	8:25 a.m.	1.50" rain	20	35	13	2.8	5	16	63	27
1/26/2001	2:10 p.m.	0.70" rain	30	48	27	2.4	9	23	94	41
9/6/2002	2:56 p.m.	0.08" rain	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	560	Not Done
Average		0.92" rain	175	209	120	3.1	36	60	298	34

Station 916 (Samples Collected on

4/18/2000	11:35 a.m.	0.85" rain	40	59	37	2.6	11	27	110	Not Done
1/11/2001	8:05 a.m.	1.50" rain	18	33	11	2.5	5	16	58	21
1/26/2001	2:10 p.m.	0.70" rain	18	30	12	2.2	5	18	67	27
9/6/2002	3:06 p.m.	0.08" rain	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	330	Not Done
Average		1.02" rain	26	41	20	2.4	7	20	78	24

Station 920 (Samples Collected on

1/25/1999	1:15 p.m.	1.0" rain	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
4/18/2000	10:35 a.m.	0.85" rain	38	59	32	2.4	10	25	104	Not Done
Average	11:55 a.m.	0.93" rain	38	59	32	2.4	10	25	104	Not Done

Station 940 (Samples Collected on

1/25/1999	1:22 p.m.	1.0" rain	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done	Not Done
4/18/2000	10:25 a.m.	0.85" rain	89	117	77	3.8	24	47	219	Not Done
Average	11:53 a.m.	0.93" rain	89	117	77	3.8	24	47	219	Na
Method No.	na	na	300	300	301	300.7	301	301		2320B
PDL as mg/l	na	na	2	4	1	0.3	0	0		5

2003 DDT / Metals

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility
NPDES Permit No. CAO108944

Metals Total

Sample Station Date	Time of Sample	Flow as MGD	Manganese	Selenium
PQL			5.0	10
MDL			1.1	1.3
Unit			as/ug/l	as ug/l
Station 910 11/6/2003	9:26 a.m.	Flowing	12.2 mg/l	J 5.4
Station 912 11/6/2003	10:40 a.m.	1.10	22.5	J 3.8
Station 916 11/6/2003	13:10 p.m.	Flowing	35.8	J 2.7

J: Reported between PQL and MDL.

PQL: Practical Quantitation Limit

MDL: Method Detection Limit

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

Sample Station	Time of Sample	Flow as MGD	Method Number PQL ug/l	PCBs DDT as ug/l
Station 904 2/4/2003 5/13/2003	9:45 a.m. 12:20 p.m.	No Flow Flowing Out	608 608	Not Done Not Done
Station 905 2/4/2003 5/13/2003	10:40 a.m. 11:40 a.m.	0.12 Flowing	608 608	Not Done Not Done
Station 906 2/4/2003 5/13/2003	10:10 a.m. 11:22 a.m.	0.12 Flowing	608 608	Not Done Not Done
Station 907 2/3/2003 5/12/2003	10:21 a.m. 8:30 a.m.	0.85 1.92	608 608	Not Done Not Done
Station 908 2/4/2003 5/13/2003	9:16 a.m. 10:28 a.m.	Flowing Flowing	608 608	Not Done Not Done
Station 909 2/4/2003 5/13/2003	8:45 a.m. 9:20 a.m.	1.06 1.90	608 608	Not Done Not Done
Station 910 2/3/2003 5/12/2003	9:40 a.m. 10:00 a.m.	0.97 1.36	608 608	Not Done Not Done

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BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

Sample Station	Time of Sample	Flow as MGD	Method Number PQL ug/l	PCBs DDT as ug/l
Station 911				
2/3/2003	9:21 a.m.	0.88	608	Not Done
5/12/2003	11:00 a.m.	1.51	608	Not Done
Station 912				
2/3/2003	8:55 a.m.	1.01	8081&8141	< 0.1
5/12/2003	11:15 a.m.	1.47	608	Not Done
Station 913				
2/3/2003	8:25 a.m.	0.96	608	Not Done
5/12/2003	12:00 p.m.	1.50	608	Not Done
Station 916				
2/3/2003	1:55 p.m.	0.96	608	Not Done
5/12/2003	12:45 p.m.	1.41	608	Not Done
Station 917				
2/3/2003	1:16 p.m.	0.75	608	Not Done
5/12/2003	1:15 p.m.	1.39	608	Not Done
Station 920				
2/3/2003	12:15 p.m.	0.53	608	Not Done
5/14/2003	12:45 p.m.	1.27	608	Not Done

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BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

Sample Station	Time of Sample	Flow as MGD	Method Number PQL ug/l	PCBs DDT as ug/l
Station 922				
2/4/2003	2:00 p.m.	0.29	608	Not Done
5/14/2003	11:15 a.m.	0.77	608	Not Done
Station 923				
2/4/2003	1:45 p.m.	0.30	608	Not Done
5/14/2003	10:45 a.m.	0.51	608	Not Done
Station 924				
2/4/2003	1:10 p.m.	0.25	608	Not Done
5/14/2003	10:00 a.m.	0.39	608	Not Done
Station 925				
2/4/2003	12:45 p.m.	0.20	608	Not Done
5/14/2003	9:00 a.m.	0.27	608	Not Done
Station 940				
2/3/2003	12:00 p.m.	0.35	608	Not Done
5/14/2003	12:00 p.m.	0.37	608	Not Done

01282009

2004 P, S / Metals / Org.

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Sample Station Date	Time of Sample	Flow as CFS	Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Total Dissolved Solids as mg/l	Sulfate as mg/l
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Station 907

2/10/2004	8:40 a.m.	5.65	0.17	0.16	1604	416
5/3/2004	8:23 a.m.	3.43	0.14	0.13		441
8/4/2004	8:15 a.m.	3.21	0.11	0.08	1603	445
11/3/2004	8:45 a.m.	11.49	0.33	0.19	1677	439

Ave. All		5.9	0.19	0.14	1628	435
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Station 910

2/10/2004	10:00 a.m.	4.09	0.13	0.15	1317	348
5/4/2004	10:00 a.m.	3.48	0.08	0.10		353
8/4/2004	9:40 a.m.	4.05	< 0.06	< 0.02	1246	342
11/3/2004	10:07 a.m.	5.48	0.26	0.14	1398	380

Ave. All		4.3	< 0.13	< 0.10	1320	356
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Station 911

2/10/2004	10:50 a.m.	5.48	0.15	0.14	1283	329
5/3/2004	9:44 a.m.	4.47	0.09	0.13		347
8/4/2004	10:15 a.m.	3.95	0.07	0.03	1258	336
11/3/2004	10:40 a.m.	8.65	0.31	0.13	1410	381

Ave. All		5.6	0.16	0.11	1317	348
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Station 912

2/10/2004	11:45 a.m.	5.61	0.11	0.10	1297	340
5/3/2004	10:30 a.m.	5.88	0.18	0.18		358
8/4/2004	10:50 a.m.	3.34	0.10	0.14	1281	341
11/3/2004	11:20 a.m.	6.26	0.27	0.08	1443	389

Ave. All		5.3	0.17	0.12	1340	357
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Station 913

2/10/2004	12:10 a.m.	5.08	0.08	0.08	1338	338
5/3/2004	11:22 a.m.	4.75	0.10	0.13		349
8/4/2004	11:30 a.m.	2.63	0.11	0.13	1267	326
11/3/2004	12:00 p.m.	6.20	0.32	0.07	1447	365

Ave. All		4.7	0.15	0.10	1351	345
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Station 916

60078210

2/10/2004	12:40 p.m.	4.95	<	0.06	<	0.05	1209	339
5/3/2004	12:12 p.m.	5.29		0.08		0.08		350
8/4/2004	11:55 a.m.	2.8		0.10		0.04	1174	326
11/3/2004	12:40 p.m.	7.03	J	0.08		0.03	1364	401

Ave. All		5.0		0.08	<	0.05	1249	354
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Station 917

2/11/2004	10:45 a.m.	1.54	<	0.06		0.06	1253	328
5/4/2004	10:28 a.m.	4.19		0.08		0.10	1335	347
8/5/2004	9:12 a.m.	2.55	<	0.06		0.07	1229	321
11/4/2004	10:35 a.m.	5.11	<	0.10	<	0.02	1288	384

Ave. All		3.3	<	0.08		0.06	1276	345
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Station 923

2/11/2004	8:25 a.m.	2.13	<	0.06		0.07	1303	349
5/4/2004	8:34 a.m.	2.34		0.11		0.12	1310	370
8/5/2004	8:04 a.m.	1.83	<	0.06		0.06	1200	329
11/4/2004	8:58 a.m.	2.41	<	0.10		0.03	1423	427

Ave. All		2.2	<	0.08		0.07	1309	369
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BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Metals Total

Method No. 200.7

Sample Station Date	Time of Sample	Flow as CFS	Manganese	Selenium
ML / PQL			5.0	10
MDL (February)			1.1	1.3
MDL (August)			1.7	3.3
MDL (November)			1.2	2.6
Unit			as ug/l	as ug/l
Station 912				
2/10/2004	11:45 a.m.	5.61	14.6	< 10
8/4/2004	10:50 a.m.	3.34	32.6	< 10
11/3/2004	11:20 a.m.	6.26	101.0	< 10
Station 916				
2/10/2004	12:40 p.m.	4.95	16.5	< 10
8/4/2004	11:55 a.m.	2.80	27.6	< 10
11/3/2004	12:40 p.m.	7.03	23.2	J 2.9
Station 917				
2/11/2004	10:45 a.m.	1.54	5.9	< 10
8/5/2004	9:12 a.m.	2.55	19.2	< 10
11/4/2004	10:35 a.m.	5.11	75.3	< 10

J: Reported between PQL and MDL.

PQL: Practical Quantitation Limit

MDL: Method Detection Limit

ML: Minimum Detection

BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resor
NPDES Permit No. CAO108944

Sample Station Date	Time of Sample	Flow as CFS	Method Number	Organo-Cl pesticides	PCBs
				as ug/l	as ug/l
Station 912					
2/10/2004	11:45 a.m.	5.61	608	< 5.0	< 2.0
5/3/2004	10:30 a.m.	5.88	608	< 5.0	< 2.0
8/4/2004	10:50 a.m.	3.34	608	< 5.0	< 2.0
11/3/2004	11:20 a.m.	6.26	608	< 5.0	< 2.0
Station 916					
2/10/2004	12:40 p.m.	4.95	608	< 5.0	< 2.0
5/3/2004	12:12 p.m.	5.29	608	< 5.0	< 2.0
8/4/2004	11:55 a.m.	2.8	608	< 5.0	< 2.0
11/3/2004	12:40 p.m.	7.03	608	< 5.0	< 2.0
Station 917					
2/11/2004	10:45 a.m.	1.54	608	NA	NA
5/4/2004	10:28 a.m.	4.19	608	< 5.0	< 2.0
8/5/2004	9:12 a.m.	2.55	608	NA	NA
11/4/2004	10:35 a.m.	5.11	608	< 5.0	< 2.0

ND: Not Detected.

ML: Minimum Level

J: Reported between ML / PQL and MDL.

PQL: Practical Quantitation Limit

2005 Inorg. Pest/ Metals

Sample Station Date	Time of Sample	Flow as CFS		Total Phosphate as mg/l P	Ortho Phosphate as mg/l P	Total Dissolved Solids as mg/l	Sulfate as mg/l
Station 910							
2/2/2005	10:10 AM	27.7		0.10	0.10	1448	367
5/3/2005	10:08 AM	16.24		0.16	< 4.00	1305	334
8/2/2005	11:00 AM	4.93		0.04	0.02	1318	343
11/8/2005	10:30 AM	4.87	J	0.08	0.06	1277	N/A
Ave. All		13.4	<	0.10	< 1.05	1337	348
Station 911							
2/2/2005	10:45 AM	19.6	<	0.10	0.10	1420	367
5/3/2005	11:09 AM	12.42		2.30	< 4.00	1340	336
8/2/2005	11:34 AM	4.85		0.04	J 0.02	1325	350
11/8/2005	11:10 AM	4.80	J	0.08	0.07	1221	N/A
Ave. All		10.4	<	0.63	< 1.05	1327	351
Station 912							
2/2/2005	11:20 AM	19.0	<	0.10	0.10	1414	367
5/3/2005	11:43 AM	13.34		0.11	< 2.00	1346	344
8/2/2005	12:03 PM	4.67		0.06	J 0.03	1375	332
11/8/2005	11:35 AM	3.79	J	0.08	J 0.06	1288	N/A
Ave. All		10.2	<	0.09	< 0.55	1356	348
Station 913							
2/2/2005	11:50 AM	16.8*	<	0.10	0.10	1428	362
5/3/2005	12:20 PM	14.27		0.11	< 2.00	1350	3445
8/2/2005	12:45 PM	4.22		0.07	J 0.02	1385	327
11/8/2005	12:10 PM	3.67	<	0.10	< 0.03	1280	N/A
Ave. All		7.4	<	0.10	< 0.54	1361	1378
Station 916							
2/2/2005	12:25 PM	16.9*	<	0.10	0.10	1421	374
5/3/2005	1:30 PM	15.73	J	0.10	< 2.00	1209	318
8/2/2005	1:15 PM	3.46		0.13	J 0.02	1335	344
11/8/2005	12:40 PM	2.91	<	0.10	< 0.03	1204	N/A
Ave. All		7.4	<	0.11	< 0.54	1292	345
Station 917							
2/3/2005	8:35 AM	9.24	<	0.10	0.10	1359	361
5/4/2005	7:51 AM	8.03		0.30	1.20	1342	343
8/3/2005	8:30 AM	3.08		0.09	0.02	1405	349
11/9/2005	8:48 AM	2.90	J	0.05	J 0.02	1308	N/A



Ave. All		5.8	<	0.14	0.34	1354	351
Station 923							
2/3/2005	10:10 AM	6.47	<	0.10	0.10	1324	345
5/4/2005	10:08 AM	3.97	J	0.10	< 0.40	1262	334
8/3/2005	10:50 AM	1.25		0.10	0.02	1346	351
11/9/2005	10:45 AM	0.98	J	0.08	0.08	1281	N/A
Ave. All		3.2	<	0.09	0.15	1303	343



BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Sample Station Date	Time of Sample	Flow as CFS	Method Number	Organo-Cl pesticides	PCBs
				as ug/l	as ug/l

Station 912

2/2/2005	11:20 AM	19.0	608	<	5.0	<	2.0
5/3/2005	11:43 AM	13.3	608	<	5.0	<	2.0
8/2/2005	12:03 PM	4.67	608	<	5.0	<	2.0
11/8/2005	11:35 AM	3.79	608	<	5.1	<	3.0

Station 916

2/2/2005	12:25 PM	16.9*	608	<	5.0	<	2.0
5/3/2005	1:30 PM	15.7	608	<	5.0	<	2.0
8/2/2005	1:15 PM	3.46	608	<	5.0	<	2.0
11/8/2005	12:40 PM	2.91	608	<	5.0	<	2.4

Station 917

5/4/2005	7:51 AM	8.0	608	<	5.0	<	2.0
11/9/2005	8:48 AM	2.90	608	<	5.0	<	2.0

Station 917 : Location monitored for Volatile Organics, Organo-Chlorine Pesticides, PCBs

* Width and depth of creek could not be accurately measured. Flow rate calculated base on estimate.

ND: Not Detected.

ML: Minimum Level

J: Reported between ML / PQL and MDL.

PQL: Practical Quantitation Limit

MDL: Method Detection Limit



BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Metals Total

Method No. 200.7

Sample Station Date	Time of Sample	Flow as CFS	Manganese	Selenium
ML / PQL			5.0	10
MDL (February)			1.1	1.3
MDL (May)			0.6	2.8
MDL (August)			-	1.2
MDL (November)			0.01	1.2
Unit			as ug/l	as ug/l
Station 912				
2/2/2005	11:20 AM	19.0	38.8	J 206.2
5/3/2005	11:43 AM	13.3	58.7	< 10.0
8/2/2005	12:03 PM	4.67	-	ND
11/8/2005	11:35 AM	3.79	23.6	J 1.4
Station 916				
2/2/2005	12:25 PM	16.9*	27.4	J 7.4
5/3/2005	1:30 PM	15.7	91.9	J 3.5
8/2/2005	1:15 AM	3.46	-	J 2.3
11/8/2005	12:40 PM	2.91	14.2	J 3.4
Station 917				
2/3/2005	8:35 AM	9.24	34.0	J 4.8
5/4/2005	7:51 AM	8.03	53.6	J 6.7
8/3/2005	8:30 AM	3.08	-	J 4.1
11/9/2005	8:48 AM	2.90	10.2	J 4.1
Station 923				
5/4/2005	10:08 AM	3.97	78.4	J 3.5
11/9/2005	10:45 AM	0.98	19.4	J 5.9

* Width and depth of creek could not be accurately measured. Flow rate calculated base on estimate.



BASELINE SELF-MONITORING REPORT

DISCHARGER: City of Escondido, Hale Avenue Resource Recovery Facility

NPDES Permit No. CAO108944

Metals Total

Method No. 200.7

J: Reported between PQL and MDL.

PQL: Practical Quantitation Limit

MDL: Method Detection Limit

ML: Minimum Detection

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