



DEPARTMENT OF THE NAVY
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132 - 5190

N30519_000380
NFD POINT MOLATE
SSIC NO. 5090.3.A

5090
Ser 06CM.JK\1498
November 20, 2003

Ms. Adriana Constantinescu
Project Manager
Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Dear Ms. Constantinescu:

SUBJECT: NAVAL FUEL DEPOT POINT MOLATE RICHMOND, CALIFORNIA
SELF MONITORING REPORT FOR THE PACKAGED GROUNDWATER
TREATMENT PLANT AND FRENCH DRAIN TREATMENT PLANT
JUNE, JULY, AND AUGUST 2003

The State of California Order Number 97-045, National Pollutant Discharge Elimination System (NPDES) Permit Number CA0030074, requires submittal of a Self Monitoring Report for the subject systems. The systems include a Packaged Groundwater Treatment Plant (PGWTP) and an Underground Storage Tank (UST) French Drain Treatment Plant. The UST French Drain Treatment Plant did not operate during the reporting period as is typical during the dry season. The monitoring summary report, analytical data tables, and laboratory reports are provided as enclosures. The data for June and July were previously reported to the Regional Water Quality Control Board. Please call John Kowalczyk at (619) 532-0972 or me at (619) 532-0967 if you have any questions.

Sincerely,

MICHAEL S. BLOOM
BRAC Environmental Coordinator
By direction of the Commander

Enclosures: 1. Monitoring Summary
2. Analytical Data Tables
3. Laboratory Reports

Copy to: (w/o encl)
Mr. Kent Weingardt
Project Manager
Foster Wheeler Environmental Corp.
1230 Columbia Street, Suite 640
San Diego, CA 92101

Monitoring Summary

1.0 PACKAGED GROUNDWATER TREATMENT PLANT

1.1 Compliance Overview

The Packaged Groundwater Treatment Plant (PGWTP) continued to operate normally during the months of June, July, and August 2003. The UST French Drain Treatment Plant did not operate during the reporting period as is typical during the dry season.

The monthly NPDES samples were collected on June 10, July 1, July 17, and August 26, 2003 and analyzed for total petroleum hydrocarbons (TPH-extractable), volatile organic compounds (VOCs) and bioassays by 96-hour static fish toxicity. The samples were also analyzed for total suspended solids (TSS), total settleable solids (TSETT), and biological oxygen demand (BOD). In addition, the July samples were analyzed for Polycyclic Aromatic Hydrocarbons (PAHs) and metals. Physical parameters such as pH, temperature, and dissolved oxygen (DO) were measured in the field. TPH-purgeable (gasoline) is no longer analyzed per approval from the Regional Water Quality Control Board. The analytical results indicate that the plant's effluent met the permit limits during the reporting period.

Per the request of the Regional Water Quality Control Board (RWQCB), another set of samples were collected on July 17, 2003 and were analyzed for all constituents required by Fuel General NPDES Permit No., CAG 912002, Order Number 01-100. The purpose of the additional sampling was to collect compliance samples after system upgrades were completed and to report laboratory results for TPH as Bunker C at a lower reporting limit. Complete results for July 17 samples were sent to the RWQCB by e-mail and in a letter from Foster Wheeler Environmental Corporation, on August 19.

1.2 Analytical Program

The PGWTP samples were uniquely numbered according to the following format:

0067-PGWTP-YYY

Where, 0067 is the four-digit Contract Task Order number, PGWTP is the treatment system, and YYY is a sequential number for this project. The sample numbers were recorded in the field logbook and on the Chain-of-Custody form at the time of sample collection. A complete description of the sample and sampling circumstances was recorded in the field logbook and referenced using the unique sample identification numbers. Analytical data summary tables and original laboratory reports for the reporting period are included as attachments.

The method number for each analytical procedure used is shown in Table 1-1.

**Table 1-1
PGWTP Analytical Methods**

Analysis	Method ID
Total Petroleum Hydrocarbons (TPH)	Method 8015B
Volatile Organic Compounds (VOCs)	Method 5030B/8260B
Polycyclic Aromatic Hydrocarbons (PAHs)	Method 8310
Bioassays	96-hour static fish toxicity
Total Settleable Solids (TSETT)	Method 160.5
Total Suspended Solids (TSS)	Method 160.2
Biological Oxygen Demand (BOD)	Method 405.1
Metals	Method 6010B

1.2.1 Additional Samples

In order to monitor and optimize the plant operation, sampling of intermediate treatment locations is conducted as determined necessary as part of the Self-Monitoring Program. Per the request of the RWQCB, samples were collected on July 17, 2003 and were analyzed for all constituents required by Fuel NPDES Notice of Intent, NPDES Permit No., CAG 912002, Order Number 01-100.

1.2.2 Laboratory Results

June 2003

The influent sample had a reported TPH-diesel concentration of 1200 micrograms per liter ($\mu\text{g/L}$), and a reported TPH-bunker C concentration of 3900 $\mu\text{g/L}$. The effluent sample had a reported TPH-diesel concentration of less than 46 $\mu\text{g/L}$ (B-, J-value less than the method reporting limit of 500 $\mu\text{g/L}$), a reported TPH-bunker C concentration of 170 $\mu\text{g/L}$ (B-, J-value less than the method reporting limit of 300 $\mu\text{g/L}$), VOC concentrations of 8.7 $\mu\text{g/L}$ or less, and BOD concentration of less than 4 mg/L. The effluent sample had fish bioassay results of 100% survival for both Rainbow Trout and Three-Spine Stickleback. The June effluent results were all below their respective permit limits with the exception of the VOC Acetone that is a common laboratory contaminant (all other VOCs 2.2 $\mu\text{g/L}$ or less).

July 2003

The influent sample had a reported TPH-diesel concentration of 1200 $\mu\text{g/L}$, and a reported TPH-bunker C concentration of 3500 $\mu\text{g/L}$. The effluent sample collected on July 1 had a reported TPH-diesel concentration of less than 50 $\mu\text{g/L}$, a reported TPH-bunker C concentration of 57 J $\mu\text{g/L}$, VOC concentrations of 4.7 $\mu\text{g/L}$ (B, J) or less, BOD concentration of less than 2 mg/L, and PAHs concentrations of 0.73 $\mu\text{g/L}$ J or less. The effluent sample collected on July 17 had a reported TPH-gasoline and TPH-diesel concentrations of less than 50 $\mu\text{g/L}$, a reported TPH-bunker C concentration of less than 300 $\mu\text{g/L}$, and VOC concentrations of 2.5 (B, J) or less.

August 2003

The influent sample had a reported TPH-diesel concentration of 4,800 µg/L, and a reported TPH-bunker C concentration of 13,000 µg/L. The effluent sample had a reported TPH-diesel concentration of less than 50 µg/L, a reported TPH-bunker C concentration of less than 300 µg/L, VOC concentrations of less than 5 µg/L, and BOD concentration of 9.3 mg/L. The effluent sample had fish bioassay results of 100% survival for both Rainbow Trout and Three-Spine Stickleback. The August effluent results were all below their respective permit limits.

1.3 Operation Summary and Mass Removal

June 2003

The average daily flow from the PGWTP for the month of June 2003 was 12,996 gallons per day (gpd). The monthly total volume of water treated by the system was 389,888 gallons. The system operated 100% of the time during the month. Table 1-2 provides the weekly discharge flow volumes for the PGWTP in June 2003. Also included is the estimated TPH mass removed by the PGWTP. The values for mass removed were estimated using the TPH concentrations in the influent and the effluent.

**Table 1-2
PGWTP Volume And Mass Process Data
June 2003**

Date	Cumulative Flow (gallons)	Weekly Flow (gallons)	TPH Mass Removed (pounds)
6/6/03	37,157,600	90,988	3.71
6/13/03	37,258,345	100,745	4.10
6/20/03	37,355,165	96,820	3.94
6/27/03	37,427,900	72,735	2.96
6/30/03	37,456,500	28,600	1.16
Total Monthly	389,888		15.9
Daily Average (gpd)	12,996		

Notes: Week of 6/6/03 covers from 6/1 to 6/6 (7 days) and week of 6/30/03 covers from 6/28 to 6/30 (3 days).

July 2003

The average daily flow from the PGWTP for the month of July 2003 was 7,965 gpd. The monthly total volume of water treated by the system was 246,900 gallons. The system operated 100% of the time during the month. Table 1-3 provides the weekly discharge flow volumes for the PGWTP in July 2003. Also included is the estimated TPH mass removed by the PGWTP. The values for mass removed were estimated using the TPH concentrations in the influent and the effluent.

**Table 1-3
PGWTP Volume And Mass Process Data
July 2003**

Date	Cumulative Flow (gallons)	Weekly Flow (gallons)	TPH Mass Removed (pounds)
7/6/03	37,516,750	60,250	2.31
7/13/03	37,572,769	56,019	2.15
7/20/03	37,623,667	50,898	0.32
7/27/03	37,675,033	51,367	1.97
7/31/03	37,703,400	28,367	1.09
Total Monthly	246,900		7.8
Daily Average (gpd)	7,965		

Notes:

Week of 7/6/03 covers from 7/1 to 7/6 (6 days) and week of 7/31/03 covers from 7/28 to 7/31 (4 days).

Results from 7/1/03 samples were used to estimate TPH mass between 7/1-7/13.

Results from 7/17/03 samples were used to estimate TPH mass between 7/14-7/31.

August 2003

The average daily flow from the PGWTP for the month of August 2003 was 6,723 gpd. The monthly total volume of water treated by the system was 208,400 gallons. The system operated 100% of the time during the month. Table 1-4 provides the weekly discharge flow volumes for the PGWTP in August 2003. Also included is the estimated TPH mass removed by the PGWTP. The values for mass removed were estimated using the TPH concentrations in the influent and the effluent.

**Table 1-4
PGWTP Volume And Mass Process Data
August 2003**

Date	Cumulative Flow (gallons)	Weekly Flow (gallons)	TPH Mass Removed (pounds)
8/3/03	37,725,327	21,927	3.19
8/10/03	37,774,112	48,785	7.10
8/17/03	37,823,633	49,522	7.21
8/24/03	37,872,833	49,200	7.16
8/31/03	37,911,800	38,967	5.67
Total Monthly	208,400		30.33
Daily Average (gpd)	6,723		

Notes:

Week of 8/3/03 covers from 8/1 to 8/3 (3 days).

2.0 FRENCH DRAIN SYSTEM

The French Drain System (FDS) system did not operate during June through August 2003. No water was discharged or sampled from the FDS during the reporting period.

Analytical Data Tables

**Point Molate Naval Fuel Depot
Packaged Groundwater Treatment Plant Analytical Data
June 2003**

U.S. Navy
Contract No. N68711-98-D-5713

Contract Task Order #67
Foster Wheeler Environmental Corporation

Sample ID	Location	Sampling Date	TSETT mL/L-hr	DO mg/L	pH units	FLOW gallons	TEMP deg C	TSS mg/L	CN µg/L	PHENOL mg/L	BOD mg/L	PAH µg/L	VOC µg/L	PCBs µg/L	Fathead Minnow percent	Rainbow Trout Minnow percent	Three-Spine Stickleback percent	TPH-Gasoline µg/L	TPH-DIESEL µg/L	TPH-BUNKER C µg/L
PERMIT REQUIREMENTS	Monthly AVE		0.1		>6 X <9		See Note 2	30		NE	30			NE	90% survival			NE	NE	NE
	Weekly AVE		-		>6 X <9			45		NE	45			NE	Permit allows 2 of the 3 fish species listed above to be analyzed.			NE	NE	NE
	Daily MAX		-		>6 X <9			60		NE	60			NE				NE	NE	NE
	Instantaneous Daily AVE		0.2	> 5.0	>6 X <9				25			2.4	5	NE				NE	NE	NE
0067-PGWTP-0013	Trip Blank	6/10/2003	NA	NA	NA			NA	NA	NA	NA	NA	1.4 J	NA	NA	NA	NA	NA	NA	NA
0067-PGWTP-014	Effluent	6/10/2003	0.1 U	NA	NA			6 B	NA	NA	4 U	NA	8.7 / 2.2	NA	NA	100%	100%	NA	46 BJ	170 BJ
0067-PGWTP-015	Influent	6/10/2003	NA	NA	NA			20	NA	NA	4 U	NA	NA	NA	NA	NA	NA	NA	1200 B	3900 B
	EFFLUENT	6/1/2003				16,012														
	EFFLUENT	6/2/2003				16,012														
	EFFLUENT	6/3/2003				16,465														
	EFFLUENT	6/4/2003				13,700														
	EFFLUENT	6/5/2003				13,700														
	EFFLUENT	6/6/2003				15,100														
	EFFLUENT	6/7/2003				15,667														
	EFFLUENT	6/8/2003				15,667														
	EFFLUENT	6/9/2003				15,667														
0067-PGWTP-014	EFFLUENT	6/10/2003	0.1 U			13,026														
	EFFLUENT	6/11/2003				13,573														
	EFFLUENT	6/12/2003				13,573														
	EFFLUENT	6/13/2003				13,573														
	EFFLUENT	6/14/2003				15,814														
	EFFLUENT	6/15/2003				15,814														
	EFFLUENT	6/16/2003				15,814														
	EFFLUENT	6/17/2003				15,814														
	EFFLUENT	6/18/2003				14,800														
	EFFLUENT	6/19/2003				9,383														
	EFFLUENT	6/20/2003				9,383														
	EFFLUENT	6/21/2003				10,072														
	EFFLUENT	6/22/2003				10,072														
	EFFLUENT	6/23/2003				10,072														
	EFFLUENT	6/24/2003				10,619														
	EFFLUENT	6/25/2003				10,720														
	EFFLUENT	6/26/2003				9,915														
	EFFLUENT	6/27/2003				11,265														
	EFFLUENT	6/28/2003				9,533														
	EFFLUENT	6/29/2003				9,533														
	EFFLUENT	6/30/2003				9,533														
	Minimum					9,383	gpd													
	Maximum					16,465	gpd													
	Number of days discharging					30	days													
	Total discharged					389,888	gal													
	Avg Daily Flow					12,996	gpd													
	Total TPH Removed					15.9	lb													

Note 1 - Acetone, a likely laboratory contaminant, reported at 8.7 ug/l. All others reported at 2.2 ug/l or less.

NE denotes not established
 NA denotes not analyzed
 DO denotes dissolved oxygen.
 deg C denotes degrees Celsius
 TSETT denotes Total Settleable Solids.
 TSS denotes Total Suspended Solids
 PHENOL denotes phenolic compounds
 PCB denotes polychlorinated biphenyls
 BOD denotes chemical oxygen demand
 CN denotes cyanide.
 PAH denotes polycyclic aromatic hydrocarbons
 VOC denotes volatile organic compound
 TPH denotes total petroleum hydrocarbons
 mg/L denotes milligrams per liter.
 µg/L denotes micrograms per liter.
 J, B denote estimated value less than the stated reporting limit
 U denotes equal to or above the stated reporting limit

Long-Term Analytical Monitoring
 Cyanide Twice per Year
 Phenolics Twice per Year
 PAH Every 2 Months
 VOCs Monthly
 PCB Annually
 Bioassay Monthly with Trout and Minnow or Stickleback
 TPH Monthly Influent and Effluent

Note 1: There is no limit for dissolved oxygen at the PGWTP discharge pipe. The permit requires the dissolved oxygen concentration to be > 5.0 mg/l within 1 foot of the receiving water surface. The permit requires daily receiving water sampling only when bypassing occurs from any of the treatment units in the treatment facilities for more than 24 hours, and when the bypass results in violation of any effluent limitation.

Note 2: There is no permit level for temperature at the PGWTP discharge pipe. The permit requires that the discharge shall not alter the temperature of the receiving water beyond natural background levels. The permit requires daily receiving water sampling only when bypassing occurs from any of the treatment units in the treatment facilities for more than 24 hours, and when the bypass results in violation of any effluent limitation.

**Point Molate Naval Fuel Depot
Packaged Groundwater Treatment Plant Analytical Data
July 2003**

U.S. Navy
Contract No. N68711-98-D-5713

Contract Task Order #67
Foster Wheeler Environmental Corporation

Sample ID	Location	Sampling Date	TSETT mL/L-hr	DO mg/L	pH units	FLOW gallons	TEMP deg C	TSS mg/L	CN µg/L	PHENOL mg/L	BOD mg/L	PAH µg/L	SVOC µg/L	VOC µg/L	PCBs µg/L	Fathead Minnow percent	Rainbow Trout Minnow percent	Three-Spine Stickleback percent	TPH-Gasoline µg/L	TPH-DIESEL µg/L	TPH-BUNKER C µg/L	
PERMIT REQUIREMENTS	Monthly AVE Weekly AVE Daily MAX Instantaneous Daily AVE		0.1 - - 0.2	> 5.0	>6 X <9 >6 X <9 >6 X <9 >6 X <9		See Note 2	30 45 60	25	NE NE NE NE	30 45 60		24	5	NE NE NE NE	60% survival Permit allows 2 of the 3 fish species listed above to be analyzed.			NE NE NE NE	NE NE NE NE	NE NE NE NE	
0067-PGWTP-0016	Trip Blank	7/1/2003	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	3.9 BJ	NA	NA	NA	NA	NA	NA	NA	NA
0067-PGWTP-017	Effluent	7/1/2003	0.1 U	NA	NA		NA	10	8 B	0.02 U	2 U	0.73 J	NA	4.7 BJ	NA	NA	100%	100%	NA	50 U	57 J	
0067-PGWTP-018	Influent	7/1/2003	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	9.2	NA	NA	NA	NA	NA	1,200	3500	
0067-PGWTP-019	Trip Blank	7/17/2003	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	1.4 JB	NA	NA	NA	NA	NA	NA	NA	
0067-PGWTP-020	Effluent	7/17/2003	NA	NA	NA		NA	NA	2 U	NA	NA	NA	50 U	2.5 JB	NA	NA	NA	NA	50 U	50 U	300 U	
0067-PGWTP-021	Influent	7/17/2003	NA	NA	NA		NA	NA	2 U	NA	NA	NA	8.5 J	2.8 JB	NA	NA	NA	NA	40 J	800	300 U	
	EFFLUENT	7/1/2003						11,300														
	EFFLUENT	7/2/2003						8,800														
	EFFLUENT	7/3/2003						12,700														
	EFFLUENT	7/4/2003						9,150														
	EFFLUENT	7/5/2003						9,150														
	EFFLUENT	7/6/2003						9,150														
	EFFLUENT	7/7/2003						9,150														
	EFFLUENT	7/8/2003						10,000														
	EFFLUENT	7/8/2003						7,525														
0067-PGWTP-014	EFFLUENT	7/10/2003	0.1 U					8,175														
	EFFLUENT	7/11/2003						7,056														
	EFFLUENT	7/12/2003						7,056														
	EFFLUENT	7/13/2003						7,056														
	EFFLUENT	7/14/2003						7,056														
	EFFLUENT	7/15/2003						7,375														
	EFFLUENT	7/16/2003						7,300														
	EFFLUENT	7/17/2003						7,400														
	EFFLUENT	7/18/2003						6,500														
	EFFLUENT	7/19/2003						7,633														
	EFFLUENT	7/20/2003						7,633														
	EFFLUENT	7/21/2003						7,633														
	EFFLUENT	7/22/2003						7,100														
	EFFLUENT	7/23/2003						7,233														
	EFFLUENT	7/24/2003						7,233														
	EFFLUENT	7/25/2003						7,233														
	EFFLUENT	7/26/2003						7,467														
	EFFLUENT	7/27/2003						7,467														
	EFFLUENT	7/28/2003						7,467														
	EFFLUENT	7/29/2003						7,250														
	EFFLUENT	7/30/2003						7,250														
	EFFLUENT	7/31/2003						6,400														
	Minimum							6,480	gpd													
	Maximum							12,700	gpd													
	Number of days discharging							31	days													
	Total discharged							246,900	gal													
	Avg Daily Flow							7,965	gpd													
	Total TPH Removed							7.8	lb													

NE denotes not established
NA denotes not analyzed
DO denotes dissolved oxygen
deg C denotes degrees Celsius
TSETT denotes Total Settleable Solids
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PHENOL denotes phenolic compounds
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PAH denotes polycyclic aromatic hydrocarbons
VOC denotes volatile organic compound
TPH denotes total petroleum hydrocarbons
mg/L denotes milligrams per liter
µg/L denotes micrograms per liter
J, B denote estimated value less than the stated reporting limit
U denotes equal to or above the stated reporting limit

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Cyanide Twice per Year
Phenolics Twice per Year
PAH Every 2 Months
VOCs Monthly
PCB Annually
Bioassay Monthly with Trout and Minnow or Stickleback
TPH Monthly Influent and Effluent

Note 1: There is no limit for dissolved oxygen at the PGWTP discharge pipe. The permit requires the dissolved oxygen concentration to be > 5.0 mg/l within 1 foot of the receiving water surface. The permit requires daily receiving water sampling only when bypassing occurs from any of the treatment units in the treatment facilities for more than 24 hours, and when the bypass results in violation of any effluent limitation.
Note 2: There is no permit level for temperature at the PGWTP discharge pipe. The permit requires that the discharge shall not alter the temperature of the receiving water beyond natural background levels. The permit requires daily receiving water sampling only when bypassing occurs from any of the treatment units in the treatment facilities for more than 24 hours, and when the bypass results in violation of any effluent limitation.

Laboratory Reports

June 2003

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

CAS Lab Reference No./SDG: DA433

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

- A. Sample Preparation: All holding times were met.
- B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 5030B
Cleanup: N/A
Analysis: SW-846 8260B

IV. PREPARATION

Sample preparation proceeded normally.

V. ANALYSIS

- A. Calibration: In the Initial Calibration (ICAL) from 06/13/03, one or more compound's RSD is >15%. However the mean RSD for all analytes is <15%, and no individual analyte RSD is >30%, thus meeting all acceptance criteria.
- B. Blanks: All acceptance criteria were met.
- C. Internal Standards: All acceptance criteria were met.
- D. Surrogates: All acceptance criteria were met.
- E. Spikes: All acceptance criteria were met.
- F. Samples: Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED/DATE: Tracy Childers 6/25/03 Reviewed by: B2m
Tracy Childers
Volatiles Organics

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP013

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433001

Matrix: WATER Level: LOW

Lab File ID: K032120

Sample Volume: 10.0 ML

Date Received: 06/11/03

Date Analyzed: 06/16/03

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: UG/L	MDL	RL	RESULT	Q
74-87-3-----	Chloromethane		0.19	5.0	5.0	U
75-01-4-----	Vinyl chloride		0.13	5.0	5.0	U
74-83-9-----	Bromomethane		0.16	5.0	5.0	U
75-00-3-----	Chloroethane		0.16	5.0	5.0	U
75-35-4-----	1,1-Dichloroethene		0.15	5.0	5.0	U
67-64-1-----	Acetone		0.73	5.0	1.4	J U
75-15-0-----	Carbon disulfide		0.080	5.0	5.0	U
75-09-2-----	Methylene chloride		0.090	5.0	0.099	J U
156-60-5-----	trans-1,2-Dichloroethene		0.10	5.0	5.0	U
75-34-3-----	1,1-Dichloroethane		0.11	5.0	5.0	U
156-59-2-----	cis-1,2-Dichloroethene		0.11	5.0	5.0	U
78-93-3-----	2-Butanone		0.27	5.0	5.0	U
67-66-3-----	Chloroform		0.11	5.0	5.0	U
71-55-6-----	1,1,1-Trichloroethane		0.10	5.0	5.0	U
56-23-5-----	Carbon tetrachloride		0.11	5.0	5.0	U
71-43-2-----	Benzene		0.070	5.0	5.0	U
107-06-2-----	1,2-Dichloroethane		0.070	5.0	5.0	U
79-01-6-----	Trichloroethene		0.10	5.0	5.0	U
78-87-5-----	1,2-Dichloropropane		0.090	5.0	5.0	U
75-27-4-----	Bromodichloromethane		0.10	5.0	5.0	U
10061-01-5---	cis-1,3-Dichloropropene		0.080	5.0	5.0	U
108-10-1-----	4-Methyl-2-pentanone		0.14	5.0	5.0	U
108-88-3-----	Toluene		0.10	5.0	5.0	U
10061-02-6---	trans-1,3-Dichloropropene		0.11	5.0	5.0	U
79-00-5-----	1,1,2-Trichloroethane		0.13	5.0	5.0	U
127-18-4-----	Tetrachloroethene		0.13	5.0	5.0	U
591-78-6-----	2-Hexanone		0.37	5.0	5.0	U
124-48-1-----	Dibromochloromethane		0.12	5.0	5.0	U
108-90-7-----	Chlorobenzene		0.12	5.0	5.0	U
100-41-4-----	Ethylbenzene		0.11	5.0	5.0	U
1330-20-7---	Xylene (total)		0.33	5.0	5.0	U
100-42-5-----	Styrene		0.12	5.0	5.0	U
75-25-2-----	Bromoform		0.13	5.0	5.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane		0.15	5.0	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP014

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433002

Matrix: WATER Level: LOW

Lab File ID: K032121

Sample Volume: 10.0 ML

Date Received: 06/11/03

Date Analyzed: 06/16/03

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: UG/L	MDL	RL	RESULT	Q
74-87-3	-----Chloromethane		0.19	5.0	0.56	J
75-01-4	-----Vinyl chloride		0.13	5.0	5.0	U
74-83-9	-----Bromomethane		0.16	5.0	5.0	U
75-00-3	-----Chloroethane		0.16	5.0	5.0	U
75-35-4	-----1,1-Dichloroethene		0.15	5.0	5.0	U
67-64-1	-----Acetone		0.73	5.0	8.7	
75-15-0	-----Carbon disulfide		0.080	5.0	0.91	J
75-09-2	-----Methylene chloride		0.090	5.0	5.0	U
156-60-5	----trans-1,2-Dichloroethene		0.10	5.0	5.0	U
75-34-3	-----1,1-Dichloroethane		0.11	5.0	5.0	U
156-59-2	----cis-1,2-Dichloroethene		0.11	5.0	5.0	U
78-93-3	-----2-Butanone		0.27	5.0	2.2	J
67-66-3	-----Chloroform		0.11	5.0	5.0	U
71-55-6	-----1,1,1-Trichloroethane		0.10	5.0	5.0	U
56-23-5	-----Carbon tetrachloride		0.11	5.0	5.0	U
71-43-2	-----Benzene		0.070	5.0	5.0	U
107-06-2	----1,2-Dichloroethane		0.070	5.0	5.0	U
79-01-6	-----Trichloroethene		0.10	5.0	5.0	U
78-87-5	----1,2-Dichloropropane		0.090	5.0	5.0	U
75-27-4	-----Bromodichloromethane		0.10	5.0	5.0	U
10061-01-5	--cis-1,3-Dichloropropene		0.080	5.0	5.0	U
108-10-1	----4-Methyl-2-pentanone		0.14	5.0	5.0	U
108-88-3	-----Toluene		0.10	5.0	5.0	U
10061-02-6	--trans-1,3-Dichloropropene		0.11	5.0	5.0	U
79-00-5	-----1,1,2-Trichloroethane		0.13	5.0	5.0	U
127-18-4	----Tetrachloroethene		0.13	5.0	5.0	U
591-78-6	----2-Hexanone		0.37	5.0	5.0	U
124-48-1	----Dibromochloromethane		0.12	5.0	5.0	U
108-90-7	----Chlorobenzene		0.12	5.0	5.0	U
100-41-4	----Ethylbenzene		0.11	5.0	5.0	U
1330-20-7	---Xylene (total)		0.33	5.0	5.0	U
100-42-5	----Styrene		0.12	5.0	5.0	U
75-25-2	-----Bromoform		0.13	5.0	5.0	U
79-34-5	----1,1,2,2-Tetrachloroethane		0.15	5.0	5.0	U

CASE NARRATIVE
GC TPH Diesel

CAS Lab Reference No./SDG.: DA433

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

- A. Sample Preparation: All holding times were met.
- B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 3510C
Cleanup: N/A
Analysis: SW-846 8015B(MOD)

IV. PREPARATION

Sample volumes may vary based upon the amount of sample received per container. Reporting limits have not been adjusted.

V. ANALYSIS

- A. Calibration: All acceptance criteria were met.
- B. Blanks: All acceptance criteria were met.
- C. Surrogates: All acceptance criteria were met.
- D. Spikes: All acceptance criteria were met.
- E. Samples: All acceptance criteria were met.
- F. Other: Diesel range is from C10-C24

Compounds were detected in sample DA433003 at the same elution time as diesel. However, the pattern of the peaks did not match those expected from diesel fuel. The pattern most resembles that found for weathered diesel.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED/DATE:

Scott Poh 6/30/03

REVIEWED BY:

EBurns

Scott Poh
Scientist, GC Organics

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP014

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433002

Matrix: WATER Level: LOW

Lab File ID: G0625022

Sample Wt/Vol: 1.050 L

Date Received: 06/11/03

Extract Vol: 1 ML

Date Extracted: 06/13/03

Date Analyzed: 06/26/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	PHCD-----TPH-DIESEL		0.019	0.050	0.046	BJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP015

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433003

Matrix: WATER Level: LOW

Lab File ID: G0625023

Sample Wt/Vol: 1.000 L

Date Received: 06/11/03

Extract Vol: 1 ML

Date Extracted: 06/13/03

Date Analyzed: 06/26/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	PHCD-----TPH-DIESEL		0.019	0.050	1.2	_B_

CASE NARRATIVE
GC TPH Bunker C

CAS Lab Reference No./SDG.: DA433

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 3510C
Cleanup: N/A
Analysis: SW-846 8015B(MOD)

IV. PREPARATION

Sample volumes may vary based upon the amount of sample received per container. Reporting limits have not been adjusted.

V. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Samples: All analysis proceeded normally.

F. Other: Bunker C range is from C10-C36.

The one-year expiration date for the Bunker C method detection limit expired on 05/08/03. A new method detection limit is currently in process.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED/DATE: Scott Poh 6/30/03 REVIEWED BY: [Signature]

Scott Poh
GC Analyst, GC Organics

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP014

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433002

Matrix: WATER Level: LOW

Lab File ID: G0627022

Sample Wt/Vol: 1.050 L

Date Received: 06/11/03

Extract Vol: 1 ML

Date Extracted: 06/13/03

Date Analyzed: 06/28/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	FOIL-----Bunker C		0.035	0.30	0.17	BJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT ID.

0067PGWTP015

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA433 SDG No.: DA433

Lab Sample ID: DA433003

Matrix: WATER Level: LOW

Lab File ID: G0627023

Sample Wt/Vol: 1.000 L

Date Received: 06/11/03

Extract Vol: 1 ML

Date Extracted: 06/13/03

Date Analyzed: 06/28/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	FOIL-----Bunker C		0.035	0.30	3.9	<u>B</u>

CASE NARRATIVE
Wet Chemistry

CAS Lab Reference No./SDG.: DA433

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

All holding times were met.

III. METHOD

The method used is cited in the corresponding Form I.

IV. PREPARATION

Sample preparation proceeded normally, if applicable.

V. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Spikes: All acceptance criteria were met.

D. Duplicates: All acceptance criteria were met.

E. Laboratory Control Samples: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other: No QA/QC except client requested QA/QC has been reported.

Settleable Solids were reported to a set MDL (RL) of 0.1 mL/L/hr.

B-The reported value obtained was less than the RL.

U-The reported value was less than the MDL.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED:


Mark Fesler
Quality Assurance Officer

DATE:

7/2/03

CAR Unique ID WC# 03017

DESCRIPTION OF PROBLEM - to be filled by person who first becomes aware of problem

Date: 6/17/03 Project: Point Molate

Batch No.: DA433 Samples: DA433002, -003 Test/product: BOD5

Condition/situation (All persons must initial and date)
 LS 6/17/03: The LCS and LCS Dup are above the control limit (85-115%). LCS recovery was 119.9%, LCS Dup recovery was 116.5%. Could not rerun sample due to holding time. Samples were all non-detect.

Missed holding time grid (specify reasons for missed hold times above)

Sample No.	Client ID	Date Collected	Date Prepared	Date Analyzed	Days out

RECOMMENDED ACTION - to be filled by Originator, Supervisor and/or Client Services

All persons recommending action must initial and date
 LS 6/17/03: Notified Client services and QC officer.

CLIENT NOTIFICATION (if applicable) - to be filled by Client Services

Client was notified on: <u>Not notified. No effect on data quality.</u>	Date/Time	Person contacted: <u>Wayne Scott</u>
Client's comments:		Signature/Date: <u>Wayne Scott</u>

**ACTION TAKEN - for single response CARs
 SEE REVERSE SIDE FOR MULTIPLE RESPONSE CAR ROUTING AND ACTIONS TAKEN**

All persons documenting action must initial and date

CLOSURE - to be filled by QA officer

All corrective actions have been implemented.

Kathryn Graham for Mark S. Fesik
 CAS Redding QA Officer
 Date 6-20-3

Report of Analytical Results

Client Sample ID: 0067PGWTP014
 Sample Description: 0067-PGWTP-014
 Sample Matrix: Water
 Site: N/A

Date Collected: 06/10/03 09:48 (Tue)
 Date Received: 06/11/03 10:00 (Wed)

Reference No: DA433
 Lab Sample ID: DA433002

CATEGORY NAME Analytical Parameter	Result	Units	Reporting Level	Date/Time of Analysis	Analytical Method(s)
GENERAL					
Sample Volume	1025	mL		06/11/03 00:00	EPA160.5
Settleable Solids	0.1 U	mL/L/h	0.1	06/11/03 00:00	EPA160.5
Total Suspended Solids	6 B	mg/L	10	06/13/03 14:00	EPA160.2
DEMAND AND GENERAL ORGANIC					
BOD 5, Date In	6/11/03			06/11/03 19:50	EPA405.1/SM5210B
BOD 5, Date Out	6/16/03			06/11/03 19:50	EPA405.1/SM5210B
BOD, 5 Day	4 U	mg/L	10	06/11/03 19:50	EPA405.1/SM5210B

(20052)

Report of Analytical Results

Client Sample ID: 0067PGWTP015
 Sample Description: 0067-PGWTP-015
 Sample Matrix: Water
 Site: N/A

Date Collected: 06/10/03 10:08 (Tue)
 Date Received: 06/11/03 10:00 (Wed)

Reference No: DA433
 Lab Sample ID: DA433003

CATEGORY NAME Analytical Parameter	Result	Units	Reporting Level	Date/Time of Analysis	Analytical Method(s)
GENERAL Total Suspended Solids	20	mg/L	10	06/13/03 14:00	EPA160.2
DEMAND AND GENERAL ORGANIC BOD 5, Date In	6/11/03			06/11/03 19:50	EPA405.1/SM5210B
BOD 5, Date Out	6/16/03			06/11/03 19:50	EPA405.1/SM5210B
BOD, 5 Day	4 U	mg/L	10	06/11/03 19:50	EPA405.1/SM5210B

(20052)

LABORATORY REPORT



"dedicated to providing quality aquatic toxicity testing"

Date: June 16, 2003

Client: Columbia Analytical Services
5090 Caterpillar Road
Redding, CA 96003-1412
Attn: Wayne Scott

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756

CA DOHS ELAP Cert. No.: 1775

Laboratory No.: A-03061101-004
Sample ID: 0067-PGWTP-014 (Pt. Molate)

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 06/10/03
Date Received: 06/11/03
Dates Tested: 06/11/03 to 06/15/03

Sample Analysis: The following analyses were performed on your sample:

Rainbow Trout Percent Survival Acute Bioassay (EPA 600/4-90/027F),
Stickleback Percent Survival Acute Bioassay (EPA 600/4-85/013).

Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Test</u>	<u>Results</u>
Rainbow Trout	100% Survival; TUa = 0.0
Stickleback	100% Survival; TUa = 0.0

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

RAINBOW TROUT PERCENT SURVIVAL TEST



Lab No.: A-03061101-004

Client/ID: CAS Pt. Molate 0067-PGWTP-014

Start Date: 06/11/2003

TEST SUMMARY

Species: *Oncorhynchus mykiss*.

Age: 24 (15-30) days.

Regulations: NPDES.

Test solution volume: 4 liters.

Feeding: none.

Aeration: None, unless DO drops below 4.0 mg/l.

Number of replicates: 2.

Dilution water: Moderately hard reconstituted water.

QA/QC Batch No.: RT-030611.

Source: Thomas Fish Co.

Test type: Static-Renewal.

Test Protocol: EPA/600/4-90/027F.

Endpoints: Percent Survival at 96 hrs.

Test chamber: 5 liter tanks..

Temperature: 12 +/- 1°C.

Number of fish per chamber: 10.

Photoperiod: 16/8 hrs light/dark.

TEST DATA

		°C	DO	pH	# Dead		Analyst & Time of Readings
					A	B	
INITIAL	Control	11.8	10.0	8.3	0	0	[Signature] 1200
	100%	11.9	10.1	8.3	0	0	
24 Hr	Control	11.9	8.9	8.0	0	0	[Signature] 1100
	100%	12.1	9.0	8.3	0	0	
48 Hr	Control	11.6	9.1	8.1	0	0	[Signature] 1100
	100%	11.4	9.3	8.4	0	0	
Renewal	Control	11.6	10.1	8.1	0	0	[Signature] 1100
	100%	11.5	9.8	8.3	0	0	
72 Hr	Control	11.7	9.4	8.1	0	0	[Signature] 1130
	100%	11.3	9.2	8.4	0	0	
96 Hr	Control	11.7	8.9	8.0	0	0	[Signature] 1130
	100%	11.5	8.7	8.5	0	0	

Comments:

Sample as received: Chlorine: 0 mg/l; pH: 8.3; Temp: 6 °C; DO: 10.1 mg/l; NH₃-N: 0.4 mg/l;
 Alkalinity: 348 mg/l; Hardness: 102 mg/l; Conductivity: 3580 umho.
 Control: Alkalinity: 60 mg/l; Hardness: 90 mg/l; Conductivity: 310 umho.

RESULTS

Percent Survival In:	Control: <u>100</u> %	100% Sample: <u>100</u> %
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STICKLEBACK ACUTE TOXICITY TEST



Lab No.: A-03061101-004

Client/ID: CAS Pt. Molate 0067-PGWTP-014

Start Date: 6-11-03

TEST SUMMARY

Species: *Gasterosteus aculeatus*.
 Age: Young (Field Collected).
 Regulations: NPDES.
 Test chamber volume: 10 liters.
 Feeding: none.
 Temperature: 20 +/- 2°C.
 Number of replicates: 2.
 Control water: MHSF/salinity adjusted to match sample.
 QA/QC Batch No.: RT-030611.

Source: Don Miguel Fish.
 Test type: Static.
 Test Protocol: EPA/600/4-85/013.
 Endpoints: Percent Survival at 96 hrs.
 Test chamber: 10 liter aquaria.
 Aeration: None, unless DO drops below 4.0 mg/l.
 Number of fish per chamber: 10.
 Photoperiod: 16/8 hrs light/dark.

TEST DATA

		°C	DO	pH	# Dead		Analyst & Time of Readings
					A	B	
INITIAL	Control	21.6	8.1	8.1	0	0	R 1100
	100%	19.5	9.6	8.3	0	0	
24 Hr	Control	20.2	8.0	7.7	0	0	R 1000
	100%	20.2	7.9	8.5	0	0	
48 Hr	Control	20.1	8.4	7.9	0	0	R 1030
	100%	20.1	8.0	8.5	0	0	
72 Hr	Control	20.3	8.0	7.9	0	0	R 1100
	100%	20.3	7.7	8.5	0	0	
96 Hr	Control	20.3	8.0	7.9	0	0	R 1030
	100%	20.3	7.3	8.6	0	0	

Comments:

Sample as received: Chlorine: 0 mg/l; pH: 8.3; Conductivity: 3560 umho; Temp: 6 °C;
 DO: 9.6 mg/l; Alkalinity: 348 mg/l; Hardness: 1028 mg/l; NH₃-N: 0.4 mg/l.
 Control: Alkalinity: 48 mg/l; Hardness: 284 mg/l; Conductivity: 2330 umho.

RESULTS

Percent Survival in:	Control: <u>100</u> %	100% Sample: <u>100</u> %
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CHAIN-OF-CUSTODY RECORD

JUN 26 2003 09:49

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory			
PROJECT LOCATION		PROJECT NO.		LABORATORY ID (FOR LABORATORY)		COMMENTS		LOCATION		DEPTH		QC							
SAMPLER NAME		SAMPLER SIGNATURE		AIRBILL NUMBER		NO. OF CONTAINERS		LEVEL		TYPE		T A T							
PROJECT CONTACT																			
SAMPLER ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINERS	LEVEL	TYPE	T	A	T											
Treatment Plant		020647 Task 01												CAS					
Pt. Molate		1990.067E																	
Chad Simpson				839392790259															
Berald (949) 756-7577																			
0067-PTWTP-013	6.10.03	0945	3	X	W	Day													
1067-PTWTP-014	6.10.03	0948	8	1	W	Day	X	X	X	X	X								
1067-PTWTP-015	6.10.03	1008	4	1	W	Day	X	X	X										
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS														
		6/10/03																	
COMPANY		TIME	COMPANY		COMPOSITE DESCRIPTION														
TFW		1600																	
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)														
					TEMPERATURE: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN														
COMPANY		TIME	COMPANY		COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN														
TFW																			

5102337859

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CHAIN-OF-CUSTODY RECORD

JUN 26 2003 09:50

PROJECT NAME <i>Treatment plant</i>		PURCHASE ORDER NO. <i>020847 Task 04</i>		ANALYSES REQUIRED						LABORATORY NAME <i>Aquatic</i>		Project Information Section Do not submit to Laboratory		
PROJECT LOCATION <i>Pt. Molate</i>		PROJECT NO. <i>1990.067E</i>		<i>M. H. Director</i>						LABORATORY ID (FOR LABORATORY)				
SAMPLER NAME <i>Chad Simpson</i>		SAMPLER SIGNATURE <i>[Signature]</i>								COMMENTS				
PROJECT CONTACT <i>David 619/756-9577</i>		AIRBILL NUMBER <i>839392790240</i>		LOCATION		DEPTH		QC						
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINERS	LEVEL		TYPE	TAT	COMMENTS	LOCATION	DEPTH		QC		
				3	4					START	END			
<i>0067-DFWTP-014</i>	<i>6.10.03</i>	<i>1025</i>	<i>2</i>	<i>K</i>	<i>W</i>	<i>5</i>	<i>X</i>	<i>Composite</i>	<i>Abundant</i>	<i>-</i>	<i>-</i>	<i>0</i>		
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE <i>6.10.03</i>	RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS <i># 2 rain water Air Bill # 839392790237</i>						SAMPLING COMMENT:			
COMPANY <i>TFW</i>	TIME <i>1602</i>	COMPANY												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		COMPOSITE DESCRIPTION <i>Rain Down Trunt - 3 spine Striped Beetle</i>									
COMPANY	TIME	COMPANY												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY) TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN									
COMPANY	TIME	COMPANY												

5102337859

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July 2003

**CTO 67, Pt. Molate PGWTP
Summary of Analytical Results**

Sample Number	Sample Location	Sample Date	Method	Units	MDL	0067-PGWTP-019 Trip Blank 7/17/2003	0067-PGWTP-020 Effluent 7/17/2003	0067-PGWTP-021 Influent 7/17/2003
TOTAL SUSPENDED SOLIDS	EPA 160.2	mg/L	---	NA	NA	NA	NA	NA
SETTLABLE SOLIDS	EPA 160.5	mL/L/Hour	---	NA	NA	NA	NA	NA
BOD, 5 DAY	EPA 405.1	mg/L	---	NA	NA	NA	NA	NA
TPH-e (as Bunker C)	EPA 8015B	µg/L	32	NA	300	U	300	U
TPH-p (as Gasoline)	EPA 8015B	µg/L	20	NA	50	U	40	J
TPH-e (as Diesel)	EPA 8015B	µg/L	19	NA	50	U	800	
ACETONE	EPA 8260B	µg/L	0.73	5 U	1.8 J		3.3 J	
BENZENE	EPA 8260B	µg/L	0.070	1 U	1 U		1 U	
BROMODICHLOROMETHANE	EPA 8260B	µg/L	0.10	1 U	1 U		1 U	
BROMOFORM	EPA 8260B	µg/L	0.13	1 U	1 U		1 U	
BROMOMETHANE	EPA 8260B	µg/L	5.0	1 U	0.6 J		1 U	
2-BUTANONE	EPA 8260B	µg/L	0.27	1.4 JB	2.5 JB		2.8 JB	
CARBON DISULFIDE	EPA 8260B	µg/L	0.080	1 U	1 U		1 U	
CARBON TETRACHLORIDE	EPA 8260B	µg/L	0.11	1 U	1 U		1 U	
CHLOROBENZENE	EPA 8260B	µg/L	0.12	1 U	1 U		2	
CHLOROETHANE	EPA 8260B	µg/L	0.16	1 U	1 U		1 U	
CHLOROFORM	EPA 8260B	µg/L	0.11	1 U	1 U		1 U	
CHLOROMETHANE	EPA 8260B	µg/L	5.0	1 U	1 U		1 U	
DIBROMOCHLOROMETHANE	EPA 8260B	µg/L	0.12	1 U	1 U		1 U	
1,2-DIBROMOMETHANE	EPA 8260B	µg/L	0.30	1 U	1 U		1 U	
1,1-DICHLOROETHANE	EPA 8260B	µg/L	0.11	1 U	1 U		1 U	
1,2-DICHLOROETHANE	EPA 8260B	µg/L	0.070	1 U	1 U		1 U	
1,1-DICHLOROETHENE	EPA 8260B	µg/L	0.15	1 U	1 U		1 U	
CIS-1,2-DICHLOROETHENE *	EPA 8260B	µg/L	0.11	1 U	1 U		1 U	
TRANS-1,2-DICHLOROETHENE *	EPA 8260B	µg/L	0.10	1 U	1 U		1 U	
1,2-DICHLOROPROPANE	EPA 8260B	µg/L	0.090	1 U	1 U		1 U	
CIS-1,3-DICHLOROPROPENE	EPA 8260B	µg/L	0.080	1 U	1 U		1 U	
TRANS-1,3-DICHLOROPROPENE	EPA 8260B	µg/L	0.11	1 U	1 U		1 U	
DIISOPROPYL ETHER	EPA 8260B	µg/L	0.32	1 U	1 U		1 U	
ETHYLBENZENE	EPA 8260B	µg/L	0.12	1 U	1 U		1 U	
ETHYL TERT-BUTYL ETHER	EPA 8260B	µg/L	0.31	1 U	1 U		1 U	
2-HEXANONE	EPA 8260B	µg/L	0.37	5 U	5 U		0.62 J	
4-METHYL-2-PENTANONE	EPA 8260B	µg/L	0.14	5 U	5 U		0.69 J	
METHYLENE CHLORIDE	EPA 8260B	µg/L	0.090	0.25 JB	0.22 JB		0.33 JB	
METHYL TERT-BUTYL ETHER	EPA 8260B	µg/L	0.31	1 U	1 U		1 U	
STYRENE	EPA 8260B	µg/L	0.12	1 U	1 U		1 U	
1,1,2,2-TETRACHLOROETHANE	EPA 8260B	µg/L	0.15	1 U	1 U		0.19 J	
TERT-AMYL METHYL ETHER	EPA 8260B	µg/L	0.34	1 U	1 U		1 U	
TERT-BUTYL ALCOHOL	EPA 8260B	µg/L	6.0	10 U	10 U		10 U	
TETRACHLOROETHENE	EPA 8260B	µg/L	0.13	1 U	1 U		1 U	
TOLUENE	EPA 8260B	µg/L	0.10	1 U	1 U		1 U	
1,1,2-TRICHLOROETHANE	EPA 8260B	µg/L	0.13	1 U	1 U		1 U	
1,1,1-TRICHLOROETHANE	EPA 8260B	µg/L	0.10	1 U	1 U		1 U	
TRICHLOROETHENE	EPA 8260B	µg/L	0.10	1 U	1 U		1 U	
VINYL CHLORIDE	EPA 8260B	µg/L	5.0	1 U	1 U		1 U	
XYLENES (TOTAL)	EPA 8260B	µg/L	0.12	1 U	1 U		1 U	
PHENOLICS	EPA 420.1	µg/L	0.02	NA	NA		NA	
ACENAPHTHENE	EPA 8310	µg/L	---	NA	NA		NA	
ACENAPHTHYLENE	EPA 8310	µg/L	---	NA	NA		NA	
ANTHRACENE	EPA 8310	µg/L	---	NA	NA		NA	
BENZ(A)ANTHRACENE	EPA 8310	µg/L	---	NA	NA		NA	
BENZO(A)PYRENE	EPA 8310	µg/L	---	NA	NA		NA	
BENZO(B)FLUORANTHENE	EPA 8310	µg/L	---	NA	NA		NA	
BENZO(G,H,I)PERYLENE	EPA 8310	µg/L	---	NA	NA		NA	
BENZO(K)FLUORANTHENE	EPA 8310	µg/L	---	NA	NA		NA	
CHRYSENE	EPA 8310	µg/L	---	NA	NA		NA	
DIBENZ(A,H)ANTHRACENE	EPA 8310	µg/L	---	NA	NA		NA	
FLUORANTHENE	EPA 8310	µg/L	---	NA	NA		NA	
FLUORENE	EPA 8310	µg/L	---	NA	NA		NA	
INDENO(1,2,3-C,D)PYRENE	EPA 8310	µg/L	---	NA	NA		NA	
NAPHTHALENE	EPA 8310	µg/L	---	NA	NA		NA	
PHENANTHRENE	EPA 8310	µg/L	---	NA	NA		NA	
PYRENE	EPA 8310	µg/L	---	NA	NA		NA	
CYANIDE, DISTILLED	EPA 9010	µg/L	2	NA	2 U		2 U	
ANTIMONY	EPA6010B	µg/L	50	NA	50 U		57	

CTO 67, Pt. Molate PGWTP
Summary of Analytical Results

Sample Number	Sample Location	Sample Date	Method	Units	MDL	0067-PGWTP-019 Trip Blank 7/17/2003	0067-PGWTP-020 Effluent 7/17/2003	0067-PGWTP-021 Influent 7/17/2003
ARSENIC			EPA 7060A	µg/L	8.0	NA	20 U	20 U E7
BERYLLIUM			EPA 6010B	µg/L	0.2	NA	2 U	2 U
CADMIUM			EPA 6010B	µg/L	4.0	NA	5 U	5 U
CHROMIUM			EPA 6010B	µg/L	3.0	NA	13	34
SILVER			EPA 6010B	µg/L	5.0	NA	10 U	10 U
THALLIUM			EPA 7841	µg/L	4.0	NA	20 U	20 U E7
COPPER			EPA 6010B	µg/L	3.0	NA	10 U	139
LEAD			EPA 6010B	µg/L	30	NA	50 U	50 U
MERCURY			EPA 7470A	µg/L	0.04	NA	0.5 U	0.3 J
NICKEL			EPA 6010B	µg/L	30	NA	40 U	194
SELENIUM			EPA 6010B	µg/L	12	NA	138	20 U */E7
ZINC			EPA 6010B	µg/L	20	NA	111	4890 E7
RAINBOW TROUT			EPA 600/4-90/027F	% Survival	NA	NA	NA	NA
3-SPINE STICKLEBACK			EPA 600/4-85/013	% Survival	NA	NA	NA	NA
Phenol			EPA 8270C	µg/L	2.4	NA	10 U	10 U
Bis (2-Chloroethyl) ether			EPA 8270C	µg/L	2.6	NA	10 U	10 U
2-Chlorophenol			EPA 8270C	µg/L	2.0	NA	10 U	10 U
1, 3-Dichlorobenzene			EPA 8270C	µg/L	1.6	NA	10 U	10 U
1, 4-Dichlorobenzene			EPA 8270C	µg/L	2.2	NA	10 U	10 U
1, 2-Dichlorobenzene			EPA 8270C	µg/L	2.0	NA	10 U	10 U
2-Methylphenol			EPA 8270C	µg/L	1.6	NA	10 U	10 U
bis (2-Chloroisopropyl) ether			EPA 8270C	µg/L	1.9	NA	10 U	10 U
3 & 4-Methylphenol			EPA 8270C	µg/L	1.8	NA	10 U	10 U
N-Nitroso-di-n-propylamine			EPA 8270C	µg/L	2.4	NA	10 U	10 U
Hexachloroethane			EPA 8270C	µg/L	2.0	NA	10 U	10 U
Nitrobenzene			EPA 8270C	µg/L	1.8	NA	10 U	10 U
2-Nitrophenol			EPA 8270C	µg/L	1.7	NA	10 U	10 U
2, 4-Dichlorophenol			EPA 8270C	µg/L	2.1	NA	10 U	10 U
1, 2, 4-Trichlorobenzene			EPA 8270C	µg/L	1.7	NA	10 U	10 U
Naphthalene			EPA 8270C	µg/L	1.6	NA	10 U	10 U
Chloroaniline			EPA 8270C	µg/L	1.8	NA	15 U	15 U
Hexachlorobutadiene			EPA 8270C	µg/L	1.5	NA	10 U	10 U
4-Chloro-3-methylphenol			EPA 8270C	µg/L	1.8	NA	10 U	10 U
Hexachlorocyclopentadiene			EPA 8270C	µg/L	2.3	NA	50 U	50 U
2, 4, 6-Trichlorophenol			EPA 8270C	µg/L	1.3	NA	10 U	10 U
2, 4, 5-Trichlorophenol			EPA 8270C	µg/L	2.1	NA	50 U	50 U
2-Chloronaphthalene			EPA 8270C	µg/L	1.6	NA	10 U	10 U
2-Nitroaniline			EPA 8270C	µg/L	4.2	NA	50 U	50 U
Dimethylphthalate			EPA 8270C	µg/L	1.6	NA	10 U	10 U
2, 6-Dinitrotoluene			EPA 8270C	µg/L	1.2	NA	10 U	10 U
Acenaphthylene			EPA 8270C	µg/L	1.2	NA	10 U	10 U
3-Nitroaniline			EPA 8270C	µg/L	4.4	NA	50 U	50 U
Acenaphthene			EPA 8270C	µg/L	1.4	NA	10 U	10 U
2, 4-Dinitrophenol			EPA 8270C	µg/L	5.6	NA	50 U	50 U
4-Nitrophenol			EPA 8270C	µg/L	3.6	NA	50 U	50 U
Dibenzofuran			EPA 8270C	µg/L	1.4	NA	10 U	10 U
2, 4-Dinitrotoluene			EPA 8270C	µg/L	1.5	NA	10 U	10 U
Diethylphthalate			EPA 8270C	µg/L	1.7	NA	10 U	10 U
4-Chlorophenyl-phenylether			EPA 8270C	µg/L	1.6	NA	10 U	10 U
Fluorene			EPA 8270C	µg/L	1.4	NA	10 U	10 U
4-Nitroaniline			EPA 8270C	µg/L	5.1	NA	50 U	50 U
4, 6-Dinitro-2-methylphenol			EPA 8270C	µg/L	5.0	NA	50 U	50 U
N-Nitrosodiphenylamine			EPA 8270C	µg/L	1.3	NA	10 U	10 U
4-Bromophenyl-phenylether			EPA 8270C	µg/L	1.3	NA	10 U	10 U
Hexachlorobenzene			EPA 8270C	µg/L	1.2	NA	10 U	10 U
Pentachlorophenol			EPA 8270C	µg/L	2.6	NA	50 U	50 U
Phenanthrene			EPA 8270C	µg/L	1.6	NA	10 U	10 U
Anthracene			EPA 8270C	µg/L	1.4	NA	10 U	10 U
Di-n-butylphthalate			EPA 8270C	µg/L	1.7	NA	10 U	10 U
Fluoranthrene			EPA 8270C	µg/L	1.6	NA	10 U	10 U
Pyrene			EPA 8270C	µg/L	1.3	NA	10 U	10 U
Butylbenzylphthalate			EPA 8270C	µg/L	1.4	NA	10 U	10 U
bis (2-Ethylhexyl) phthalate			EPA 8270C	µg/L	2.3	NA	10 U	8.5 J
2, 3'-Dichlorobenzidine			EPA 8270C	µg/L	2.2	NA	50 U	50 U
benzo (a) anthracene			EPA 8270C	µg/L	0.59	NA	10 U	10 U
Chrysene			EPA 8270C	µg/L	1.2	NA	10 U	10 U

**CTO 67, Pt. Molate PGWTP
Summary of Analytical Results**

Sample Number	Sample Location	Sample Date		0067-PGWTP-019 Trip Blank 7/17/2003	0067-PGWTP-020 Effluent 7/17/2003	0067-PGWTP-021 Influent 7/17/2003
Analyte	Method	Units	MDL			
Di-n-octylphthalate	EPA 8270C	µg/L	1.3	NA	10 U	10 U
Benzo (b) fluoranthene	EPA 8270C	µg/L	2.0	NA	10 U	10 U
Benzo (k) fluoranthene	EPA 8270C	µg/L	2.1	NA	10 U	10 U
Benzo (a) pyrene	EPA 8270C	µg/L	1.9	NA	10 U	10 U
Indeno (1, 2, 3-cd) pyrene	EPA 8270C	µg/L	2.8	NA	10 U	10 U
Dibenzo (a, h) anthracene	EPA 8270C	µg/L	2.8	NA	10 U	10 U
Benzo (g, h, I) perylene	EPA 8270C	µg/L	2.8	NA	10 U	10 U

Footnotes

* = Duplicate analysis not within control limits

E7 = The result was determined using the method of standard addition

J = Estimated concentration.

MDL = Method Detection Limit

U = Not detected.

µg/L = micrograms per liter

**Point Molate Naval Fuel Depot
 Packaged Groundwater Treatment Plant Analytical Data
 July 2003**

U.S. Navy

Contract Task Order #67

Contract No. N68711-98-D-5713

FWENC

Sample ID	Location	Date	As μg/L	Cd μg/L	Cr μg/L	Cu μg/L	Pb μg/L	Hg μg/L	Ni μg/L	Se μg/L	Ag μg/L	Zn μg/L
PERMIT REQUIREMENTS	Monthly AVE							0.21				
	Weekly AVE		NA									
	Daily AVE		NA									
0067-PGWTP-017	Effluent	7/1/2003	NA	NA	NA	1 U	38 U	0.18 B	5 U	39 U	NA	10.8

μg/L denotes micrograms per liter.

CASE NARRATIVE
Wet Chemistry

CAS Lab Reference No./SDG.: DA589

- I. **RECEIPT**
No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.
- II. **HOLDING TIMES**
All holding times were met.
- III. **METHOD**
The method used is cited in the corresponding Form I.
- IV. **PREPARATION**
Sample preparation proceeded normally, if applicable.
- V. **ANALYSIS**
- A. Calibration: All acceptance criteria were met.
 - B. Blanks: All acceptance criteria were met.
 - C. Spikes: All acceptance criteria were met.
 - D. Duplicates: All acceptance criteria were met.
 - E. Laboratory Control Samples: The LCS for BOD did not meet acceptance criteria of 198 +/- 30 (CAR#WC-03021). The high recovery was due to contamination in BOD bottles.
 - F. Samples: Sample analyses proceeded normally.
 - G. Other: No QA/QC except client requested QA/QC has been reported.

Settleable Solids were reported to a set MDL (RL) of 0.1 mL/L/hr.
B-The reported value obtained was less than the RL.
U-The reported value was less than the MDL.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: _____

Kathryn Graham for
Mark Feiler
Quality Assurance Officer

DATE: 7-16-03

Sample ID Cross-reference Table

CAS Lab Sample ID	Client Sample ID	Receive Date	Collect Date	Sample Matrix	Additional Description
FS = Field Sample; LCD = Lab Control Sample Duplicate; LCS = Lab Control Sample; NON = Non-Sample Type (Internal Admin)					
DA589001	FS 0067PGWTP016	07/02/03	07/01/03	10:00 Water	0067-PGWTP-016
DA589002	FS 0067PGWTP017	07/02/03	07/01/03	10:05 Water	0067-PGWTP-017
DA589003	FS 0067PGWTP018	07/02/03	07/01/03	11:05 Water	0067-PGWTP-018

The above lab sample ID's and cross reference information apply to samples as received by the laboratory. Modifiers to the lab sample ID may be added for internal tracking purposes. Any modified sample ID will be reflected in the appropriate case narrative only.

Report of Analytical Results

Client Sample ID: 0067PGWTP017
 Sample Description: 0067-PGWTP-017
 Sample Matrix: Water
 Site: N/A

Date Collected: 07/01/03 10:05 (Tue)
 Date Received: 07/02/03 09:50 (Wed)

Reference No: DA589
 Lab Sample ID: DA589002

CATEGORY NAME Analytical Parameter	Result	Units	Reporting Level	Date/Time of Analysis	Analytical Method(s)
GENERAL					
Sample Volume	1040	mL		07/02/03 13:50	EPA160.5
Settleable Solids	< 0.1	mL/L/h	0.1	07/02/03 13:50	EPA160.5
Total Suspended Solids	10	mg/L	10	07/07/03 12:00	EPA160.2
ANIONS					
Cyanide, Distilled	8 B	ug/L	10	07/12/03 18:10	SW9010B/9014
DEMAND AND GENERAL ORGANIC					
4AAP Phenol	0.02 U	mg/L	0.10	07/08/03 16:40	EPA420.1
BOD 5, Date In	07/02/03			07/02/03 18:30	EPA405.1/SM5210B
BOD 5, Date Out	07/07/03			07/02/03 18:30	EPA405.1/SM5210B
BOD, 5 Day	2 U	mg/L	10	07/02/03 18:30	EPA405.1/SM5210B

(20114)

CASE NARRATIVE
GC/MS VOLATILE ORGANICS

CAS Lab Reference No./SDG: DA589

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 5030B

Cleanup: N/A

Analysis: SW-846 8260B

IV. PREPARATION

Sample preparation proceeded normally.

V. ANALYSIS

A. Calibration: In the Initial Calibration (ICAL) from 07/01/03, one or more compound's RSD is >15%. However the mean RSD for all analytes is <15%, and no individual analyte RSD is >40%, thus meeting all acceptance.

B. Blanks: The Method Blank analyzed on 07/07/03 detected three compounds below the reporting limit. These compounds were "B" flagged in any associated samples that were detected above the MDL.

C. Internal Standards: All acceptance criteria were met.

D. Surrogates: All acceptance criteria were met.

E. Spikes: All acceptance criteria were met.

F. Samples: Sample analysis proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED/DATE: B.M. 07/13/03 Reviewed by: Mary Childers

Brian Moore
Volatiles Organics

VOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP016

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: SDG No.: DA589

Lab Sample ID: DA589001

Matrix: WATER Level: LOW

Lab File ID: K032401

Sample Volume: 10.0 ML

Date Received: 07/02/03

Date Analyzed: 07/07/03

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: UG/L	MDL	RL	RESULT	Q
74-87-3	Chloromethane	0.19	5.0	5.0	5.0	U
75-01-4	Vinyl chloride	0.13	5.0	5.0	5.0	U
74-83-9	Bromomethane	0.16	5.0	5.0	5.0	U
75-00-3	Chloroethane	0.16	5.0	5.0	5.0	U
75-35-4	1,1-Dichloroethene	0.15	5.0	5.0	5.0	U
67-64-1	Acetone	0.73	5.0	2.9	2.9	BJ
75-15-0	Carbon disulfide	0.080	5.0	0.082	0.082	J
75-09-2	Methylene chloride	0.090	5.0	0.10	0.10	BJ
156-60-5	trans-1,2-Dichloroethene	0.10	5.0	5.0	5.0	U
75-34-3	1,1-Dichloroethane	0.11	5.0	5.0	5.0	U
156-59-2	cis-1,2-Dichloroethene	0.11	5.0	5.0	5.0	U
78-93-3	2-Butanone	0.27	5.0	3.9	3.9	BJ
67-66-3	Chloroform	0.11	5.0	5.0	5.0	U
71-55-6	1,1,1-Trichloroethane	0.10	5.0	5.0	5.0	U
56-23-5	Carbon tetrachloride	0.11	5.0	5.0	5.0	U
71-43-2	Benzene	0.070	5.0	5.0	5.0	U
107-06-2	1,2-Dichloroethane	0.070	5.0	5.0	5.0	U
79-01-6	Trichloroethene	0.10	5.0	5.0	5.0	U
78-87-5	1,2-Dichloropropane	0.090	5.0	5.0	5.0	U
75-27-4	Bromodichloromethane	0.10	5.0	5.0	5.0	U
10061-01-5	cis-1,3-Dichloropropene	0.080	5.0	5.0	5.0	U
108-10-1	4-Methyl-2-pentanone	0.14	5.0	5.0	5.0	U
108-88-3	Toluene	0.10	5.0	5.0	5.0	U
10061-02-6	trans-1,3-Dichloropropene	0.11	5.0	5.0	5.0	U
79-00-5	1,1,2-Trichloroethane	0.13	5.0	5.0	5.0	U
127-18-4	Tetrachloroethene	0.13	5.0	5.0	5.0	U
591-78-6	2-Hexanone	0.37	5.0	5.0	5.0	U
124-48-1	Dibromochloromethane	0.12	5.0	5.0	5.0	U
108-90-7	Chlorobenzene	0.12	5.0	5.0	5.0	U
100-41-4	Ethylbenzene	0.11	5.0	5.0	5.0	U
1330-20-7	Xylene (total)	0.12	5.0	5.0	5.0	U
100-42-5	Styrene	0.12	5.0	5.0	5.0	U
75-25-2	Bromoform	0.13	5.0	5.0	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	0.15	5.0	5.0	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP017

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: SDG No.: DA589

Lab Sample ID: DA589002

Matrix: WATER Level: LOW

Lab File ID: K032402

Sample Volume: 10.0 ML

Date Received: 07/02/03

Date Analyzed: 07/07/03

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: UG/L	MDL	RL	RESULT	Q
74-87-3-----	Chloromethane		0.19	5.0	5.0	U
75-01-4-----	Vinyl chloride		0.13	5.0	5.0	U
74-83-9-----	Bromomethane		0.16	5.0	5.0	U
75-00-3-----	Chloroethane		0.16	5.0	5.0	U
75-35-4-----	1,1-Dichloroethene		0.15	5.0	5.0	U
67-64-1-----	Acetone		0.73	5.0	2.9	BJ
75-15-0-----	Carbon disulfide		0.080	5.0	5.0	U
75-09-2-----	Methylene chloride		0.090	5.0	5.0	U
156-60-5-----	trans-1,2-Dichloroethene		0.10	5.0	5.0	U
75-34-3-----	1,1-Dichloroethane		0.11	5.0	5.0	U
156-59-2-----	cis-1,2-Dichloroethene		0.11	5.0	5.0	U
78-93-3-----	2-Butanone		0.27	5.0	4.7	BJ
67-66-3-----	Chloroform		0.11	5.0	5.0	U
71-55-6-----	1,1,1-Trichloroethane		0.10	5.0	5.0	U
56-23-5-----	Carbon tetrachloride		0.11	5.0	5.0	U
71-43-2-----	Benzene		0.070	5.0	5.0	U
107-06-2-----	1,2-Dichloroethane		0.070	5.0	5.0	U
79-01-6-----	Trichloroethene		0.10	5.0	5.0	U
78-87-5-----	1,2-Dichloropropane		0.090	5.0	5.0	U
75-27-4-----	Bromodichloromethane		0.10	5.0	5.0	U
10061-01-5-----	cis-1,3-Dichloropropene		0.080	5.0	5.0	U
108-10-1-----	4-Methyl-2-pentanone		0.14	5.0	5.0	U
108-88-3-----	Toluene		0.10	5.0	5.0	U
10061-02-6-----	trans-1,3-Dichloropropene		0.11	5.0	5.0	U
79-00-5-----	1,1,2-Trichloroethane		0.13	5.0	5.0	U
127-18-4-----	Tetrachloroethene		0.13	5.0	5.0	U
591-78-6-----	2-Hexanone		0.37	5.0	5.0	U
124-48-1-----	Dibromochloromethane		0.12	5.0	5.0	U
108-90-7-----	Chlorobenzene		0.12	5.0	5.0	U
100-41-4-----	Ethylbenzene		0.11	5.0	5.0	U
1330-20-7-----	Xylene (total)		0.12	5.0	5.0	U
100-42-5-----	Styrene		0.12	5.0	5.0	U
75-25-2-----	Bromoform		0.13	5.0	5.0	U
79-34-5-----	1,1,2,2-Tetrachloroethane		0.15	5.0	5.0	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP018

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: SDG No.: DA589

Lab Sample ID: DA589003

Matrix: WATER Level: LOW

Lab File ID: K032403

Sample Volume: 10.0 ML

Date Received: 07/02/03

Date Analyzed: 07/07/03

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: UG/L	MDL	RL	RESULT	Q
74-87-3	-----Chloromethane	0.19	5.0	5.0	0.73	J
75-01-4	-----Vinyl chloride	0.13	5.0	5.0	5.0	U
74-83-9	-----Bromomethane	0.16	5.0	5.0	0.19	J
75-00-3	-----Chloroethane	0.16	5.0	5.0	0.66	J
75-35-4	-----1,1-Dichloroethene	0.15	5.0	5.0	5.0	U
67-64-1	-----Acetone	0.73	5.0	5.0	4.4	BJ
75-15-0	-----Carbon disulfide	0.080	5.0	5.0	5.0	U
75-09-2	-----Methylene chloride	0.090	5.0	5.0	0.16	BJ
156-60-5	----trans-1,2-Dichloroethene	0.10	5.0	5.0	5.0	U
75-34-3	-----1,1-Dichloroethane	0.11	5.0	5.0	5.0	U
156-59-2	----cis-1,2-Dichloroethene	0.11	5.0	5.0	5.0	U
78-93-3	-----2-Butanone	0.27	5.0	5.0	5.5	B
67-66-3	-----Chloroform	0.11	5.0	5.0	5.0	U
71-55-6	-----1,1,1-Trichloroethane	0.10	5.0	5.0	5.0	U
56-23-5	-----Carbon tetrachloride	0.11	5.0	5.0	5.0	U
71-43-2	-----Benzene	0.070	5.0	5.0	0.17	J
107-06-2	-----1,2-Dichloroethane	0.070	5.0	5.0	5.0	U
79-01-6	-----Trichloroethene	0.10	5.0	5.0	5.0	U
78-87-5	-----1,2-Dichloropropane	0.090	5.0	5.0	5.0	U
75-27-4	-----Bromodichloromethane	0.10	5.0	5.0	5.0	U
10061-01-5	--cis-1,3-Dichloropropene	0.080	5.0	5.0	5.0	U
108-10-1	----4-Methyl-2-pentanone	0.14	5.0	5.0	5.0	U
108-88-3	-----Toluene	0.10	5.0	5.0	5.0	U
10061-02-6	--trans-1,3-Dichloropropene	0.11	5.0	5.0	5.0	U
79-00-5	-----1,1,2-Trichloroethane	0.13	5.0	5.0	5.0	U
127-18-4	-----Tetrachloroethene	0.13	5.0	5.0	5.0	U
591-78-6	----2-Hexanone	0.37	5.0	5.0	5.0	U
124-48-1	----Dibromochloromethane	0.12	5.0	5.0	5.0	U
108-90-7	----Chlorobenzene	0.12	5.0	5.0	9.2	U
100-41-4	----Ethylbenzene	0.11	5.0	5.0	5.0	U
1330-20-7	---Xylene (total)	0.12	5.0	5.0	5.0	U
100-42-5	----Styrene	0.12	5.0	5.0	5.0	U
75-25-2	-----Bromoform	0.13	5.0	5.0	5.0	U
79-34-5	-----1,1,2,2-Tetrachloroethane	0.15	5.0	5.0	5.0	U

CASE NARRATIVE
HPLC POLYNUCLEAR AROMATIC HYDROCARBONS

CAS Lab Reference No./SDG.: DA589

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

- A. Sample Preparation: All holding times were met.
- B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: SW-846 3520C
Cleanup: N/A
Analysis: SW-846 8310

IV. PREPARATION

Sample preparation proceeded normally. Water sample volumes may vary based on the amount of sample received per container. Reporting limits have been adjusted accordingly for volumes less than 1 liter.

V. ANALYSIS

- A. Calibration: All acceptance criteria were met.
- B. Blanks: All acceptance criteria were met.
- C. Surrogates: All acceptance criteria were met.
- D. Spikes: All acceptance criteria were met.
- E. Samples: Sample analysis proceeded normally.
- F. Other: Insufficient sample was received to perform matrix QC on the water batch of samples. A duplicate laboratory control sample (LCSD) was used to determine the precision of the method.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED/DATE: B.M. 07/14/07
Brian Moore
Organics Manager

REVIEWED BY: Brian Jones

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP017

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: SDG No.: DA589

Lab Sample ID: DA589002

Matrix: WATER Level: LOW

Lab File ID: I0708026

Sample Wt/Vol: 1.040 L

Date Received: 07/02/03

Extract Vol: 1 ML

Date Extracted: 07/03/03

Date Analyzed: 07/09/03

Extraction Type: CONT

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: ug/L	MDL	RL	RESULT	Q
91-20-3-----	Naphthalene		0.056	1.0	1.0	U
86-73-7-----	Fluorene		0.012	0.20	0.20	U
85-01-8-----	Phenanthrene		0.0083	0.10	0.10	U
120-12-7----	Anthracene		0.0069	0.10	0.10	U
206-44-0----	Fluoranthene		0.0082	0.10	0.10	U
129-00-0----	Pyrene		0.0067	0.10	0.10	U
56-55-3-----	Benzo (a) Anthracene		0.0070	0.10	0.10	U
218-01-9----	Chrysene		0.0088	0.10	0.10	U
205-99-2----	Benzo (b) Fluoranthene		0.0082	0.10	0.10	U
207-08-9----	Benzo (k) Fluoranthene		0.0073	0.10	0.10	U
50-32-8-----	Benzo (a) Pyrene		0.0065	0.10	0.10	U
53-70-3-----	Dibenzo (a, h) Anthracene		0.014	0.20	0.20	U
191-24-2----	Benzo (g, h, i) Perylene		0.014	0.20	0.20	U
193-39-5----	Indeno (1, 2, 3-c, d) Pyrene		0.0062	0.10	0.10	U
83-32-9-----	Acenaphthene		0.062	1.0	1.0	U
208-96-8----	Acenaphthylene		0.068	2.0	0.73	J

CASE NARRATIVE
Wet Chemistry

CAS Lab Reference No./SDG.: DA589

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

All holding times were met.

III. METHOD

The method used is cited in the corresponding Form I.

IV. PREPARATION

Sample preparation proceeded normally, if applicable.

V. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Spikes: All acceptance criteria were met.

D. Duplicates: All acceptance criteria were met.

E. Laboratory Control Samples: The LCS for BOD did not meet acceptance criteria of 198 +/- 30 (CAR#WC-03021). The high recovery was due to contamination in BOD bottles.

F. Samples: Sample analyses proceeded normally.

G. Other: No QA/QC except client requested QA/QC has been reported.

Settleable Solids were reported to a set MDL (RL) of 0.1 mL/L/hr.

B-The reported value obtained was less than the RL.

U-The reported value was less than the MDL.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: *Kathryn Graham for* DATE: 7-16-03
Mark Feiler
Quality Assurance Officer

Report of Analytical Results

Client Sample ID: 0067PGWTP017
 Sample Description: 0067-PGWTP-017
 Sample Matrix: Water
 Site: N/A

Date Collected: 07/01/03 10:05 (Tue)
 Date Received: 07/02/03 09:50 (Wed)

Reference No: DA589
 Lab Sample ID: DA589002

CATEGORY NAME Analytical Parameter	Result	Units	Reporting Level	Date/Time of Analysis	Analytical Method(s)
GENERAL					
Total Suspended Solids	10	mg/L	10	07/07/03 12:00	EPA160.2
ANIONS					
Cyanide, Distilled	8.8	ug/L	10	07/12/03 18:10	SW90108/9014
DEMAND AND GENERAL ORGANIC					
4AAP Phenol	0.02 U	mg/L	0.10	07/08/03 16:40	EPA420.1
BOD 5, Date In	07/02/03			07/02/03 18:30	EPA405.1/SM5210B
BOD 5, Date Out	07/07/03			07/02/03 18:30	EPA405.1/SM5210B
BOD, 5 Day	2 U	mg/L	10	07/02/03 18:30	EPA405.1/SM5210B

(20114)

Case Narrative
Cations

CAS Lab Reference No./SDG: DA589

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

All holding times were met.

III. METHOD

The method used is cited on the attached Inorganics Analysis Methods sheet.

IV. PREPARATION

Sample preparation proceeded normally, if applicable.

V. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. ICP Interference Check Samples: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Duplicates: All acceptance criteria were met.

F. Laboratory Control Samples: All acceptance criteria were met.

G. ICP and GFAA Serial Dilution: All acceptance criteria were met.

H. Post Digestion Spike: All acceptance criteria were met.

I. Other: A duplicate Laboratory Control Sample was run in order to provide QA/QC results for this data package.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and CAS Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: _____


Mark S. Mesler
Quality Assurance Officer

DATE: _____

7/18/03

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP017

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA589 SDG No.: DA589 Lab Sample ID: DA589002

Matrix: WATER Level: LOW Lab File ID: G0717013

Sample Wt/Vol: 1.050 L Date Received: 07/02/03

Extract Vol: 1 ML Date Extracted: 07/03/03

Date Analyzed: 07/18/03

Extraction Type: SEP FUNNEL Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	PHCD-----TPH-DIESEL		0.012	0.050	0.050	U

PRELIMINARY

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP018

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA589 SDG No.: DA589 Lab Sample ID: DA589003

Matrix: WATER Level: LOW Lab File ID: G0717014

Sample Wt/Vol: 1.050 L Date Received: 07/02/03

Extract Vol: 1 ML Date Extracted: 07/03/03

Date Analyzed: 07/18/03

Extraction Type: SEP FUNNEL Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	PHCD-----TPH-DIESEL		0.012	0.050	1.2	

PRELIMINARY

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

0067PGWTP017

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA589 SDG No.: DA589

Lab Sample ID: DA589002

Matrix: WATER Level: LOW

Lab File ID: G0717013

Sample Wt/Vol: 1.050 L

Date Received: 07/02/03

Extract Vol: 1 ML

Date Extracted: 07/03/03

Date Analyzed: 07/18/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	FOIL-----Bunker C		0.035	0.30	0.057	J

PRELIMINARY

0067PGWTP018

Lab Name: COLUMBIA ANALYTICAL SERVICES - REDDING

Case No.: DA589 SDG No.: DA589

Lab Sample ID: DA589003

Matrix: WATER Level: LOW

Lab File ID: G0717014

Sample Wt/Vol: 1.050 L

Date Received: 07/02/03

Extract Vol: 1 ML

Date Extracted: 07/03/03

Date Analyzed: 07/18/03

Extraction Type: SEP FUNNEL

Dilution Factor: 1.0

CAS NO.	COMPOUND	Units: mg/L	MDL	RL	RESULT	Q
	FOIL-----Bunker C		0.035	0.30	3.5	

PRELIMINARY

-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

0067PGWTP017

Contract: POINT MOLATE

Lab Code: RDD

Case No.:

SAS No.:

SDG NO.: DA589

Matrix (soil/water): WATER

Lab Sample ID: DA589002

Level (low/med): LOW

Date Received: 07/02/03

Concentration Units (ug/L or mg/kg dry weight): $\mu\text{G/L}$

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	1.0	U		P
7439-92-1	Lead	38.0	U		P
7439-97-6	Mercury	0.18	B		CV
7440-02-0	Nickel	5.0	U		P
7782-49-2	Selenium	39.0	U		P
7440-66-6	Zinc	10.8			P

Color Before:

Clarity Before:

Texture:

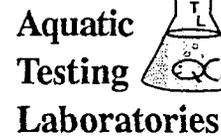
Color After:

Clarity After:

Artifacts:

Comments:

LABORATORY REPORT



Date: July 6, 2003

"dedicated to providing quality aquatic toxicity testing"

Client: Columbia Analytical Services
5090 Caterpillar Road
Redding, CA 96003-1412
Attn: Wayne Scott

4350 Transport Street, Unit 107
Ventura, CA 93003
(805) 650-0546 FAX (805) 650-0756

CA DOHS ELAP Cert. No.: 1775

Laboratory No.: A-03070203-001
CAS ID: DA589002
Sample ID: 0067-PGWTP-017 (Pt. Molate)

Sample Control: The samples were received by ATL in a chilled state, with the chain of custody record attached.

Date Sampled: 07/01/03
Date Received: 07/02/03
Dates Tested: 07/02/03 to 07/06/03

Sample Analysis: The following analyses were performed on your sample:

Rainbow Trout Percent Survival Acute Bioassay (EPA 600/4-90/027F),
Stickleback Percent Survival Acute Bioassay (EPA 600/4-85/013).

Attached are the test data generated from the analysis of your sample.

Result Summary:

<u>Test</u>	<u>Results</u>
Rainbow Trout	100% Survival; TUa = 0.0
Stickleback	100% Survival; TUa = 0.0

Quality Control: Reviewed and approved by:

Joseph A. LeMay
Laboratory Director

CHAIN-OF-STUDY RECORD

PROJECT NAME <i>Treatment Plant</i>		PURCHASE ORDER NO. <i>020447 Task 04</i>		ANALYSES REQUIRED								LABORATORY NAME <i>CAS</i>					
PROJECT LOCATION <i>Pt. Molate</i>		PROJECT NO. <i>1990.067E</i>		<i>826013 VOC's</i> <i>160.5 SS</i> <i>801513 TTH Ext.</i> <i>405.1 TSD</i> <i>160.2 TSS</i> <i>8310 PARTS</i> <i>601013 17470.4</i> <i>901013 Cy.</i> <i>420.1 Phenol</i>								LABORATORY ID (FOR LABORATORY) <i>DA589</i>					
SAMPLER NAME <i>Chad Simpson</i>		SAMPLER SIGNATURE <i>Chad Simpson</i>										AIRBILL NUMBER <i>839392790204</i>		COMMENTS			
PROJECT CONTACT <i>Gerald (949) 756-7588</i>																	
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYP E	T A T										
				3	4												
<i>0067-PGWTP-016</i>	<i>7.01.03</i>	<i>1000</i>	<i>3</i>	<i>X</i>	<i>X</i>	<i>W⁵ay</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>Grab -1</i>
<i>0067-PGWTP-017</i>	<i>7.01.03</i>	<i>1005</i>	<i>14</i>	<i>X</i>	<i>X</i>	<i>W⁵ay</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>Composite / grab⁻²</i>
<i>0067-PGWTP-018</i>	<i>7.01.03</i>	<i>1105</i>	<i>5</i>	<i>X</i>	<i>X</i>	<i>W⁵ay</i>	<i>X</i>	<i>X</i>									<i>Composite / grab³</i>
<i>End</i>																	
RELINQUISHED BY (Signature) <i>Chad Simpson</i>		DATE <i>7.01.03</i>	RECEIVED BY (Signature) <i>Bob DeMan</i>		LABORATORY INSTRUCTIONS/COMMENTS <i>7-2-03 0950</i>												
COMPANY <i>TFW</i>		TIME <i>1600</i>	COMPANY <i>CAS / RSD</i>		COMPOSITE DESCRIPTION <i>see attached 7/2/03</i>												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)														
COMPANY		TIME	COMPANY		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY) TEMPERATURE: _____ SAMPLE CONDITION <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN												
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)														
COMPANY		TIME	COMPANY														

CHAIN-OF-CUSTODY RECORD

PROJECT NAME Treatment Plant		PURCHASE ORDER NO. 020847 Task 04		ANALYSES REQUIRED <i>96 H. Bresson</i>				LABORATORY NAME Aquatic Testings lab		Project Information Section Do not submit to Laboratory																																																																																																																																			
PROJECT LOCATION Pt. Madero		PROJECT NO. 1990.067 E						LABORATORY ID (FOR LABORATORY) DA 589																																																																																																																																					
SAMPLER NAME Clare Simpson		SAMPLER SIGNATURE <i>[Signature]</i>																																																																																																																																											
PROJECT CONTACT Gerald T (949) 756-7577		AIRBILL NUMBER 839392790215		<table border="1"> <thead> <tr> <th rowspan="2">SAMPLE ID</th> <th rowspan="2">DATE COLLECTED</th> <th rowspan="2">TIME COLLECTED</th> <th rowspan="2">NO. OF CONTAINER</th> <th colspan="2">LEVEL</th> <th rowspan="2">TYP</th> <th rowspan="2">TAT</th> <th rowspan="2">COMMENTS</th> <th rowspan="2">LOCATION</th> <th colspan="2">DEPTH</th> <th rowspan="2">QC</th> </tr> <tr> <th>3</th> <th>4</th> <th>START</th> <th>END</th> </tr> </thead> <tbody> <tr> <td>0067- (BW) P-017</td> <td>7.01.03</td> <td>1055</td> <td>2</td> <td>X</td> <td></td> <td>W</td> <td>X</td> <td>Composite</td> <td>effluent</td> <td>-</td> <td>-</td> <td>Ng</td> </tr> <tr><td colspan="13" style="text-align: center;"><i>[Large diagonal signature]</i></td></tr> </tbody> </table>				SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYP	TAT	COMMENTS	LOCATION	DEPTH		QC	3	4	START	END	0067- (BW) P-017	7.01.03	1055	2	X		W	X	Composite	effluent	-	-	Ng	<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>													<i>[Large diagonal signature]</i>												
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RELINQUISHED BY (Signature) <i>[Signature]</i>	DATE 7.01.03	RECEIVED BY (Signature)	LABORATORY INSTRUCTIONS/COMMENTS Rainbow Trout / 3 spine Steel Back																																																																																																																																										
COMPANY TTFW	TIME 1600	COMPANY	COMPOSITE DESCRIPTION # 2 cooler 839392790/90 Tractors																																																																																																																																										
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																																																																																																																																										
COMPANY	TIME	COMPANY	TEMPERATURE: _____ SAMPLE CONDITION: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAL: <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																																																																																																																																										
RELINQUISHED BY (Signature)	DATE	RECEIVED BY (Signature)	SAMPLING COMMENT: Monthly permit sampling																																																																																																																																										
COMPANY	TIME	COMPANY																																																																																																																																											

August 2003

Total Extractable Hydrocarbons

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 3520C
Project#:	CTO-67	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/26/03
Units:	(ug/L)	Received:	08/26/03
Diln Fac:	1.000	Prepared:	08/28/03
Batch#:	84074	Analyzed:	09/02/03

Field ID: 0067-PGWTP-023 Lab ID: 167180-002
Type: SAMPLE

Analyte	Result	RL
JP-5 C10-C16	ND	50
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300
Bunker C C12-50	ND	300

Surrogate	%REC	Limits
Hexacosane	91	65-135

Field ID: 0067-PGWTP-024 Lab ID: 167180-003
Type: SAMPLE

Analyte	Result	RL
JP-5 C10-C16	670 H Y	50
Diesel C10-C24	4,800 H Y	50
Motor Oil C24-C36	1,200 L Y	300
Bunker C C12-50	13,000 Y	300

Surrogate	%REC	Limits
Hexacosane	126	65-135

Type: BLANK Lab ID: QC223930

Analyte	Result	RL
JP-5 C10-C16	ND	50
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300
Bunker C C12-50	ND	300

Surrogate	%REC	Limits
Hexacosane	111	65-135

H= Heavier hydrocarbons contributed to the quantitation
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
Reporting Limit
e 1 of 1

Total Extractable Hydrocarbons

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 3520C
Project#:	CTO-67	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	84074
Units:	ug/L	Prepared:	08/28/03
Diln Fac:	1.000	Analyzed:	09/01/03

Type: BS Lab ID: QC223931

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,347	94	65-135

Surrogate	%REC	Limits
Hexacosane	97	65-135

Type: BSD Lab ID: QC223932

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,278	91	65-135	3	30

Surrogate	%REC	Limits
Hexacosane	92	65-135

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Field ID:	0067-PGWTP-022	Batch#:	84055
Lab ID:	167180-001	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	ug/L	Analyzed:	08/28/03
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Acetone	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Xylene (total)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	99	75-125
1,2-Dichloroethane-d4	101	65-135
Toluene-d8	102	75-125
Bromofluorobenzene	99	75-125

ND= Not Detected.
 RL = Reporting Limit
 Page 1 of 1

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Field ID:	0067-PGWTP-023	Batch#:	84055
Lab ID:	167180-002	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	ug/L	Analyzed:	08/28/03
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Acetone	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Xylene (total)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	92	75-125
1,2-Dichloroethane-d4	95	65-135
Toluene-d8	100	75-125
Bromofluorobenzene	104	75-125

ND= Not Detected
 RL = Reporting Limit
 Page 1 of 1

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Field ID:	0067-PGWTP-024	Batch#:	84055
Lab ID:	167180-003	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	ug/L	Analyzed:	08/28/03
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Acetone	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Xylene (total)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	75-125
1,2-Dichloroethane-d4	103	65-135
Toluene-d8	100	75-125
Bromofluorobenzene	99	75-125

ND= Not Detected
 = Reporting Limit
 Page 1 of 1

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC223849	Batch#:	84055
Matrix:	Water	Analyzed:	08/28/03
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	50.95	102	75-125
Benzene	50.00	51.41	103	75-125
Trichloroethene	50.00	50.36	101	75-125
Toluene	50.00	51.12	102	75-125
Chlorobenzene	50.00	48.39	97	75-125

Surrogate	%REC	Limits
Dibromofluoromethane	103	75-125
1,2-Dichloroethane-d4	102	65-135
Toluene-d8	99	75-125
Bromofluorobenzene	99	75-125

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC223851	Batch#:	84055
Matrix:	Water	Analyzed:	08/28/03
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Acetone	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
Fluorene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Xylene (total)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	84	75-125
1,2-Dichloroethane-d4	97	65-135
Toluene-d8	109	75-125
Bromofluorobenzene	101	75-125

ND= Not Detected
 Reporting Limit
 Page 1 of 1

Purgeable Organics by GC/MS

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	EPA 5030B
Project#:	CTO-67	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC223852	Batch#:	84055
Matrix:	Water	Analyzed:	08/28/03
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	5.0
Vinyl Chloride	ND	5.0
Bromomethane	ND	5.0
Chloroethane	ND	5.0
Acetone	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	5.0
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
4-Methyl-2-Pentanone	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
o-Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Xylene (total)	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	90	75-125
1,2-Dichloroethane-d4	94	65-135
Toluene-d8	105	75-125
Bromofluorobenzene	102	75-125

ND= Not Detected
 Reporting Limit
 Page 1 of 1

Biochemical Oxygen Demand

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	METHOD
Project#:	CTO-67	Analysis:	EPA 405.1
Analyte:	Biochemical Oxygen Demand	Batch#:	84120
Field ID:	0067-PGWTP-023	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	mg/L	Prepared:	08/27/03
Diln Fac:	1.000	Analyzed:	09/01/03

Type	Lab ID	Result	RL
SAMPLE	167180-002	9.3	5.0
BLANK	QC224144	ND	5.0

ND= Not Detected
 Reporting Limit
 Page 1 of 1

Solids-Settleable (SS)

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Analysis:	EPA 160.5
Project#:	CTO-67		
Analyte:	Settleable Solids	Diln Fac:	1.000
Field ID:	0067-PGWTP-023	Batch#:	84141
Lab ID:	167180-002	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	ml/L	Analyzed:	08/28/03

Result	RL
ND	0.10

Total Suspended Solids (TSS)

Lab #:	167180	Location:	Treatment Plant
Client:	Tetra Tech FW Inc.	Prep:	METHOD
Project#:	CTO-67	Analysis:	EPA 160.2
Analyte:	Total Suspended Solids	Batch#:	84107
Field ID:	0067-PGWTP-023	Sampled:	08/26/03
Matrix:	Water	Received:	08/26/03
Units:	mg/L	Analyzed:	08/28/03
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	167180-002	ND	5.0
BLANK	QC224069	ND	5.0

ND= Not Detected

○ Reporting Limit

Page 1 of 1

BES**BLOCK ENVIRONMENTAL SERVICES**

2451 Estand Way
Pleasant Hill, CA 94523-3911
(925) 682-7200 FAX 888-0399

**Static Percent Survival Aquatic Toxicity Screening Test Results for
One Water Sample (Project #167178)**

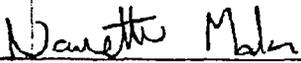
August 2003

Prepared For:
**Tracy Babjar
Curtis & Tompkins, Ltd.
2323 Fifth Street
Berkeley, CA 94710**

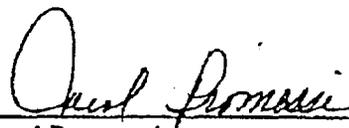
BES Sample #20674

Prepared By:
**Block Environmental Services, Inc.
2451 Estand Way
Pleasant Hill, CA 94523-3911
(925) 682-7200**

September 2, 2003



Nanette Malan
Laboratory Manager



Carol Promessi
Laboratory Scientist

BES

1. INTRODUCTION

The Federal Water Pollution Control Act Amendments of 1972 (PL 92-500), the Clean Water Act (CWA) of 1977 (PL 95-217), and the Water Quality Act of 1987 (PL 100-4) explicitly state that it is the national policy that the discharge of toxic substances in toxic amounts be prohibited. Toxicity to aquatic life is one of the criteria used to gauge the hazardous potential of a discharged waste. The type of toxicity test and particular species used for testing of effluents is dictated under the framework of the National Pollutant Discharge Elimination System and falls under the jurisdiction of the local Regional Water Quality Control Board.

This report describes the procedures used and the results obtained for the static percent survival aquatic toxicity screening test performed by Block Environmental Services (BES) for Curtis & Tompkins, Ltd.

BES is an Environmental Laboratory Accreditation Program certified laboratory (#1812).

2. MATERIALS AND METHODS

2.1 TEST ORGANISMS

- Rainbow Trout, *Oncorhynchus mykiss*, obtained from a commercial supplier.
- Threespine Stickleback, *Gasterosteus aculeatus*, obtained from a commercial supplier.

2.2 TEST PROCEDURES

A detailed procedure for this test is outlined in laboratory standard operating procedures (SOPs) kept at the BES laboratory. These SOPs are based upon the following references:

- Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, 3rd Edition (EPA/600/4-85/013).

2.3 DATA ANALYSIS

Toxicity testing results will be reported as the percent of surviving organisms during the exposure period.

BES**3. RESULTS**

3.1 Sample Identification	3.2 BES Sample #	3.3 Sample Collection Date	3.4 Date Received	3.5 Testing Period
0067-PGWTP-023 Rain and Stick	20674	08/26/03	08/27/03	08/27/03-08/31/03

3.6 SUMMARY OF SAMPLE WATER CHEMISTRY - These values represent the water quality of the sample as received at the BES laboratory.

Water Chemistry	20674
D.O. (mg/L)	11.4
pH	7.9
Conductivity ($\mu\text{S}/\text{cm}$)	9540
Salinity (ppt)	7.1
Temperature ($^{\circ}\text{C}$)	16.0
Total Chlorine (mg/L)	0.08
Ammonia (ppm as N)	0.03
Alkalinity (mg/L as CaCO_3)	412
Hardness (mg/L as CaCO_3)	>1000

ND - Not Detected (Detection Limit = 0.03)

3.7 *O. mykiss* TEST RESULTS

Treatment Concentration	96-Hour Percent Survival	
	20646	
	Rainbow Trout	Stickleback
Control	100	100
100%	100	100

3.8 NOTES

The photocopied data sheet and chain-of-custody for testing are attached. If you have any questions concerning this report please contact the BES laboratory, (925) 682 - 7200.

CHAIN-OF-CUSTODY RECORD

PAGE 02/02

CSIMSON MLOSTRACCO

5102337859

09/04/2003 11:28

PROJECT NAME		PURCHASE ORDER NO.		ANALYSES REQUIRED										LABORATORY NAME		Project Information Section Do not submit to Laboratory									
Treatment Plant		048931		B260 B VOC'S P015 B TPH EX 160.5 SS 405.1 BOD 160.7 TSS 96 Hr. Toxicity										Curtis + Tompkins											
PROJECT LOCATION		PROJECT NO.																							
Pt. Molate - Richmond		CTO 67																							
SAMPLER NAME		SAMPLER SIGNATURE		LABORATORY USE ONLY		COMMENTS			LOCATION		DEPTH		QC												
CHAD SIMPSON																									
PROJECT CONTACT		AIRBILL NUMBER																							
Gerald 849716-757		Courier																							
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINERS	LEVEL		T	V	T	A	T	LABORATORY USE ONLY		COMMENTS		LOCATION		DEPTH		QC						
				3	4										START		END								
0067-15WTP-022	8/26/03	1000	3	X		W	W	W			X	X			grab	TB				TB					
0067-15WTP-023	8/26/03	1005	10	X		W	W	W			X	X	X	X	Composite / grab	effluent				R _g					
0067-15WTP-024	8/26/03	1045	5	X		W	W	W			X	X			Composite / grab	Influent				R _g					
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		LABORATORY INSTRUCTIONS/COMMENTS																SAMPLING COMMENT:			
		8/26/03				COMPOSITE DESCRIPTION 96 Hr. = Rainbow Trout / 3 spine stickle back																PLWTP monthly per visit sampling			
COMPANY		TIME		COMPANY																					
TTE-WT		8/1605		C-4																					
RELINQUISHED BY (Signature)		DATE		RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)																			
						TEMPERATURE _____ SAMPLE CONDITION <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN COOLER SEAT <input type="checkbox"/> INTACT <input type="checkbox"/> BROKEN																			
COMPANY		TIME		COMPANY																					

Tracy Babjar

From: <nweinberger@TtFWI.com>
To: <tracy@ctberk.com>
Cc: <Point_Molate_CTO_47/Alameda/FWENC@fwenc.com>
Sent: Wednesday, August 27, 2003 1:01 PM
Subject: Re: Curtis & Tompkins Laboratories Login Summary for 167178

Tracy/Chad,

We need to change the sample numbers for the most recent samples so that they continue from our previous sampling.

Changes are as follows:

0067-PGWTP-001 to 0067-PGWTP-022

0067-PGWTP-002 to 0067-PGWTP-023

0067-PGWTP-003 to 0067-PGWTP-024

Tracy, I will be faxing you a copy of the COC you sent me with corrections.

Chad, I need you to make corrections on the original COC.

Thanks,

Nick

Nicholas Weinberger
Tetra Tech FW Inc.
Phone: (949)756-7588
(949)756-7583
E-mail: nweinberger@ttfwi.com

8/27/03

CHAIN-OF-CUSTODY RECORD

167178

PROJECT NAME Treatment Plant		PURCHASE ORDER NO. 048931		ANALYSES REQUIRED						LABORATORY NAME Curtis & Tompkins						
PROJECT LOCATION Pt. Molate - Richmond		PROJECT NO. CTO 67		0260 B VOC'S 0015 B TPH EX 160.5 SS 405.1 BOD 160.2 TSS 96 Hr. Toxicity						LABORATORY ID (FOR LABORATORY) 167178						
SAMPLER NAME Chad Simpson		SAMPLER SIGNATURE <i>[Signature]</i>								COMMENTS						
PROJECT CONTACT Gerald (649) 756-7577		AIRBILL NUMBER Carrier														
SAMPLE ID	DATE COLLECTED	TIME COLLECTED	NO. OF CONTAINER	LEVEL		TYP	TAT									
				3	4											
0067-PWTP-001	8/26/03	1000	3	X		W ^S Day		X	X							grab
1 + 2 0067-PWTP-002	8/26/03	1005	10	X		W ^S Day		X	X	X	X	X				Composite / grab
0067-PWTP-003	8/26/03	1045	5	X		W ^S Day		X	X							Composite / grab
<i>[Large handwritten signature]</i>																
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE 8/26/03	RECEIVED BY (Signature) <i>[Signature]</i>		LABORATORY INSTRUCTIONS/COMMENTS											
COMPANY TTFW		TIME 1605	COMPANY C-4													
RELINQUISHED BY (Signature) <i>[Signature]</i>		DATE	RECEIVED BY (Signature) <i>[Signature]</i>		COMPOSITE DESCRIPTION 96 Hr. = Rainbow Trout / 3 spine stickle back											
COMPANY		TIME	COMPANY CT 8/26/03 1800													
RELINQUISHED BY (Signature)		DATE	RECEIVED BY (Signature)		SAMPLE CONDITION UPON RECEIPT (FOR LABORATORY)											
COMPANY		TIME	COMPANY		TEMPERATURE: 10.0° SAMPLE CONDITION: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											
					COOLER SEAL: <input checked="" type="checkbox"/> INTACT <input type="checkbox"/> BROKEN											