United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street Building 201
Richmond, CA 94804

Subject: **Analytical Testing Results - Project R10S45**
SDG: 10049A

From: **Brenda Bettencourt, Director**
EPA Region 9 Laboratory
MTS-2

To: **Lynda Deschambault**
California Site Cleanup Section 1
SFD-7-1

Attached are the results from the analysis of samples from the **GSWC Pioneer 1,2,3 & Dace 1 Influent Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

CC: Tom Perina, CH2M-Hill, Inc.
Kate Brophy, Golden State Water Co.

Electronic CC: Tom Perina, CH2M-Hill
Daniel Jablonski, CH2M-Hill
Kate Brophy, Golden State Water Co.

Analyses included in this report:

PAHs by GC/MS SIM

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Project Manager:	Lynda Deschambault	**California Site Cleanup Section 1**		**SDG:**	10049A
Project Number:	R10S45	**75 Hawthorne Street**		**Reported:**	03/12/10 11:44
Project:	GSWC Pioneer 1,2,3 & Dace 1 Influent Sampling	**San Francisco CA, 94105**			

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
Y5QZ2	1002017-01	Water	02/17/10 09:40	02/18/10 09:55
Y5QZ3	1002017-02	Water	02/17/10 10:30	02/18/10 09:55
Y5QZ4	1002017-03	Water	02/17/10 11:50	02/18/10 09:55
Y5QZ5	1002017-04	Water	02/17/10 11:59	02/18/10 09:55

SDG ID 10049A

Work Order(s)

1002017

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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1002017-01									**Water - Sampled: 02/17/10 09:40**
Sample ID: Y5QZ2						**Semivolatile Organic Compounds by EPA Method 8270D**			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			92 %	*33-112%*		"	"	"	
Surrogate: Terphenyl-d14			120 %	*38-129%*		"	"	"	
Lab ID: 1002017-02									**Water - Sampled: 02/17/10 10:30**
Sample ID: Y5QZ3						**Semivolatile Organic Compounds by EPA Method 8270D**			
Benzo(a)pyrene		ND	U	95	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			77 %	*33-112%*		"	"	"	
Surrogate: Terphenyl-d14			109 %	*38-129%*		"	"	"	
Lab ID: 1002017-03									**Water - Sampled: 02/17/10 11:50**
Sample ID: Y5QZ4						**Semivolatile Organic Compounds by EPA Method 8270D**			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			89 %	*33-112%*		"	"	"	
Surrogate: Terphenyl-d14			112 %	*38-129%*		"	"	"	
Lab ID: 1002017-04									**Water - Sampled: 02/17/10 11:59**
Sample ID: Y5QZ5						**Semivolatile Organic Compounds by EPA Method 8270D**			
Benzo(a)pyrene		ND	U	100	ng/L	B0B0124	02/22/10	03/02/10	8270D/SOP375
Surrogate: 2-Fluorobiphenyl			69 %	*33-112%*		"	"	"	
Surrogate: Terphenyl-d14			102 %	*38-129%*		"	"	"	

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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B0B0124 - 3510B Sep Funnel - PAH-Low									**Prepared: 02/22/10 Analyzed: 03/02/10**	
								Semivolatile Organic Compounds by EPA Method 8270D - Quality Control		
Blank (B0B0124-BLK1)										
Benzo(a)pyrene	ND	U	50	ng/L						
Surrogate: 2-Fluorobiphenyl	*3380*			"	*5000*		68	*33-112*		
Surrogate: Terphenyl-d14	*6130*			"	*5000*		123	*38-129*		
Blank (B0B0124-BLK2)										
Benzo(a)pyrene	ND	U	50	ng/L						
Surrogate: 2-Fluorobiphenyl	*4020*			"	*5000*		80	*33-112*		
Surrogate: Terphenyl-d14	*6890*			"	*5000*		**138**	*38-129*		
LCS (B0B0124-BS1)										
Benzo(a)pyrene	4,030		50	ng/L	4000		101	40-129		
Surrogate: 2-Fluorobiphenyl	*3440*			"	*5000*		69	*33-112*		
Surrogate: Terphenyl-d14	*5180*			"	*5000*		104	*38-129*		
Matrix Spike (B0B0124-MS1)		**Source: 1002017-01**								
Benzo(a)pyrene	2,660		50	ng/L	3830	ND	70	36-119		
Surrogate: 2-Fluorobiphenyl	*4110*			"	*4790*		86	*33-112*		
Surrogate: Terphenyl-d14	*4200*			"	*4790*		88	*38-129*		
Matrix Spike Dup (B0B0124-MSD1)		**Source: 1002017-01**								
Benzo(a)pyrene	2,640		50	ng/L	3840	ND	69	36-119	1	23
Surrogate: 2-Fluorobiphenyl	*3810*			"	*4800*		79	*33-112*		
Surrogate: Terphenyl-d14	*4540*			"	*4800*		95	*38-129*		

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Qualifiers and Comments

U	Not Detected
NR	Not Reported
RE1, RE2, etc:	Result is from a sample re-analysis.