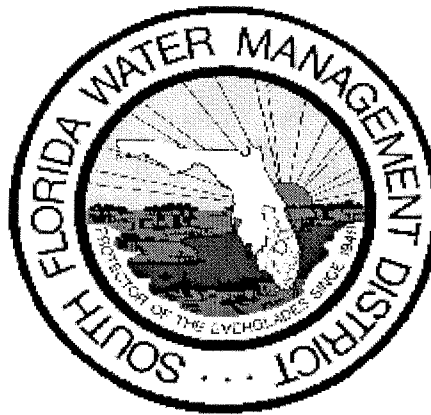


Quality Assessment Report for Water Quality Monitoring

April - June 2003



**Submitted to the
Technical Oversight Committee**

Prepared by:

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Quality Assessment Report for Water Quality Monitoring April-June 2003

I. Introduction

This report is an assessment of the SFWMD laboratory analysis and field sampling for Total Phosphorus (TP) monitoring primarily for the following projects/stations during the 2nd quarter of 2003:

- Conservation Area Inflow and Outflows (CAMB)
S12A, S12B, S12C S12D, S333
- Everglades National Park Inflow Monitoring (ENP)
S175, S176, S177, S18C, S332, S332D
- Everglades Protection Area (EVPA)
LOX3 to LOX16
- Non-Everglades Construction Project (NECP)
S334

Since field QCs are collected for trips that include multiple project samples for the stations of interest, the report may also cover information on stations or project other than those listed above.

The South Florida Water Management District's Field and Lab Quality Manual require analysis of laboratory quality control (QC) samples and the collection and analysis of field QC samples along with routine samples to assess the data quality.

Included also in this report are an analysis of the District's laboratory's performance on split or replicate studies with FDEP and other laboratories and the results of the U.S. Geological Survey Analytical Evaluation Program for Standard Reference Samples.

II. Field Sampling Quality Assessment

A. Quality Control

Field QC measures consist of equipment blanks (EB), field cleaned equipment blanks (FCEB), field blanks (FB), split samples (SS) and replicate samples (RS). Table 1 summarizes EB, FCEB and FB results for all projects of interest to the TOC. All of the 150 blanks were within the acceptance criteria. Table 2 summarizes field precision results. Field sampling precision was generally excellent.

Data not meeting the set criteria for blanks, field precision or sampling protocols are flagged using FDEP data qualifier codes. A comprehensive list of flagged data for all trips that include samples for CAMB, ENP, EVPA and NECP during this quarter is presented in Table 3.

Table 1. Field and equipment blank results

Type of Blank	Project	# Blanks collected	% with value <0.002	% with value 0.002-0.004	% with value >0.004	Action Taken
EB	CAMB	7	100	0	0	N/A
	ENP	3	100	0	0	N/A
	EVPA	3	67	33	0	N/A
	NECP	1	100	0	0	N/A
FB	CAMB	1	100	0	0	N/A
FCEB	CAMB	94	82	18	0	N/A
	ENP	19	84	16	0	N/A
	EVPA	19	100	0	0	N/A
	NECP	3	100	0	0	N/A

Table 2. Field precision summary

Project Code	Numbers of pairs	Mean % RPD	Comments
CAMB	5	4	Precision criteria were met.
ENP	0	N/A	N/A
EVPA	5	3	Precision criteria were met.
NECP	2	12	Precision criteria were met.

Notes

- 1) All TP analyses were conducted by the District's Chemistry laboratory.
- 2) Field precision acceptance criteria: <20%. This criteria was applied only if sample values >PQL.
- 3) FB, FCEB and EB acceptance criteria: Must be $\leq 2 \times \text{MDL}$.
- 4) Associated samples are flagged when concentrations are less than three times the resulting blank values for possibility of contamination.

Table 3. List of flagged data

Project	Date Collected	Station	Type	Flag Code	Comments
NECP	13-May-03	S9A	SAMP	J5	Sample not Flow Proportional, Telemetry and Trigger Errors
CAMB	11-Jun-03	S6	SAMP	J5	Not Flow Proportional
CAMB	8-Apr-03	S39	SS	J4	Possible Matrix Interference
CAMB	8-Apr-03	S5AS	SS	J4	Possible Matrix Interference

B. Field Audits

There was one audit performed for the NECP project during the second quarter of 2003. This collection is done by Dade County Department of Environmental Management (DERM). There was one recommendation and six corrective actions concerning minor deficiencies in the documentation process. The recommendations and corrective actions were communicated verbally at the time of the audit during the exit conference. The response to the audit was satisfactory concerning all items.

The following is a summary of Audit Corrective Action for NECP Surface Water sample collection (6/17/03):

- Submit documentation of equipment cleaning as a part of the report response.
- Make sure all corrections are initialed.
- Cross-out errors with a single line, write correct entry, and initial.
- The location of the calibration and calibration verifications must be documented in the calibration documentation.
- List the multi-parameter sonde identification number on all documentation related to the calibration and verification of the instrument for the sampling event.
- Document the expiration date for Conductivity standards. Link this information to the calibration documentation for the sampling event.
- Calibrate and bracket the range of expected range of specific conductivity results prior to sampling.

C. Changes in Data Assessment Protocols

Effective 10/01/03 EB and FCEB > MDL will be qualified. Also, affected samples (samples with concentrations < 5x the EB or FCEB value) will be qualified. This change is consistent with DEP, EPA and new automated data review process “ADAPT” being implemented at the District.

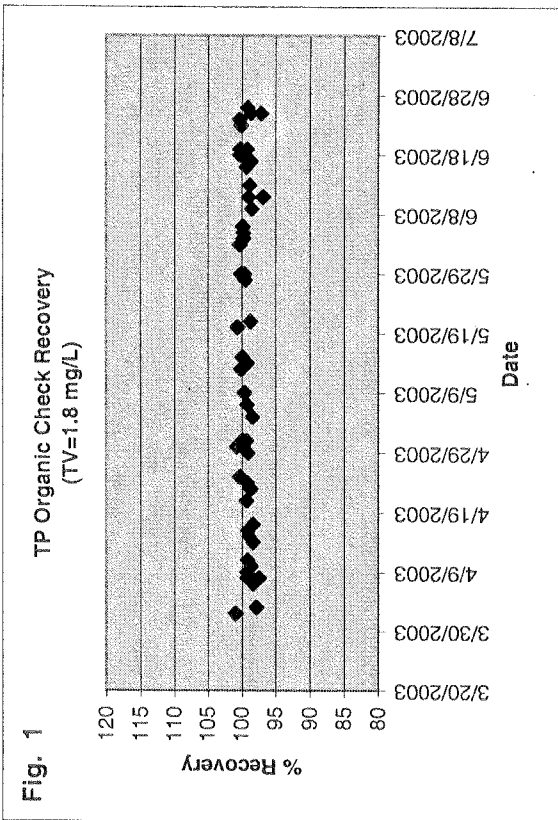
III. Laboratory Quality Control Assessment

Routine laboratory QC samples include QC checks, matrix spikes and precision checks. The charts presented in Figures 1-5 show recoveries from various levels of QC samples for the TP analysis at SFWMD laboratory. Statistical evaluation of precision and matrix spikes recoveries is also included. A portion of or an entire analytical run is generally rejected if QC recoveries are outside the set limits. Data is flagged accordingly if any deficiency is noted and the samples have exceeded the required holding times and can not be reanalyzed.

Recoveries for the QC samples are generally within $\pm 10\%$ from the true value, which are acceptable. The PQL check (QC5), with a true value of 0.004 mg/L had a mean recovery of 104.7%. The PQL check daily results indicate the laboratory consistently achieved the 0.002 mg/L MDL.

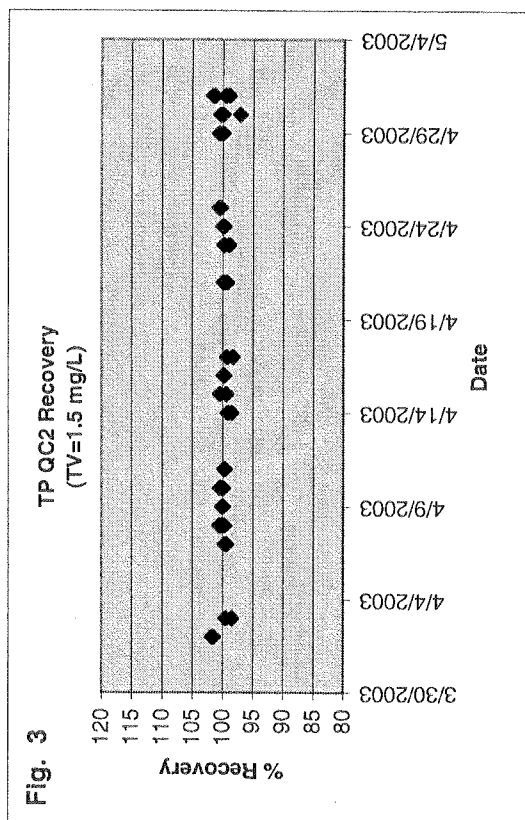
An organic check is a solution prepared from phytic acid, a stable form of organic phosphate. Recoveries for this check sample are between 97 – 101%, indicating that the digestion process was effective. The same material is used to prepare matrix spikes, the mean recovery for which was 99.4%.

The precision target for TP analysis during this period was 10.0% and as the report shows, mean %RPD was 1% and 0.6% for low (0 to 0.2 mg/L) and high level (0.2-2.0 mg/L) analyses, respectively. The maximum RPD during this period were 4.1% and 1.9% for low & high levels, respectively.



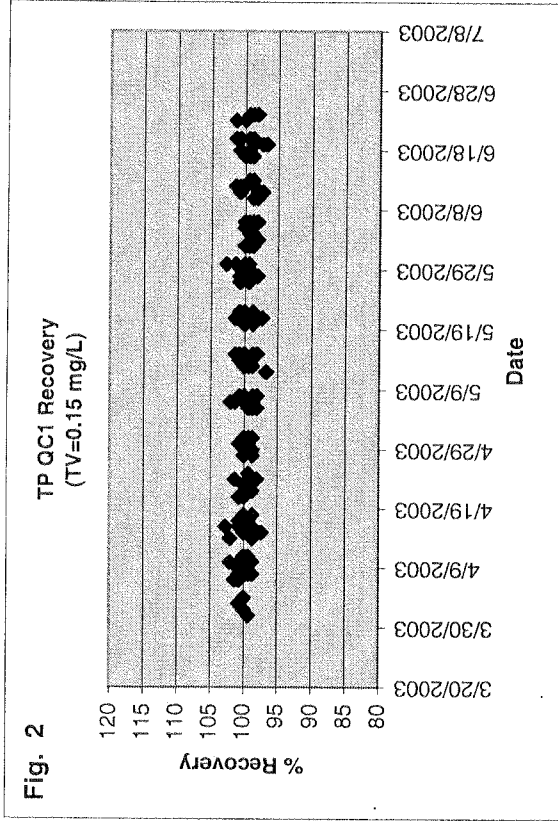
% Recovery Organic Check

MEAN	99.2
MAX	100.9
MIN	96.8



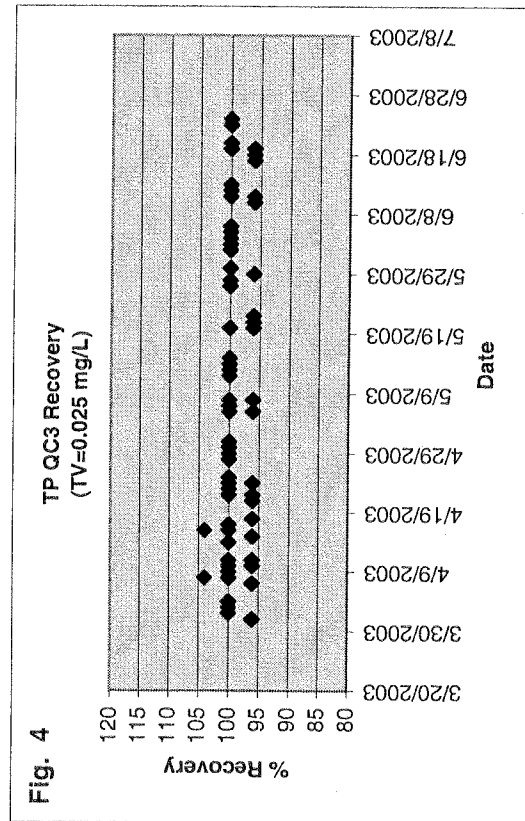
% Recovery QC2

MEAN	99.8
MAX	101.7
MIN	97.1



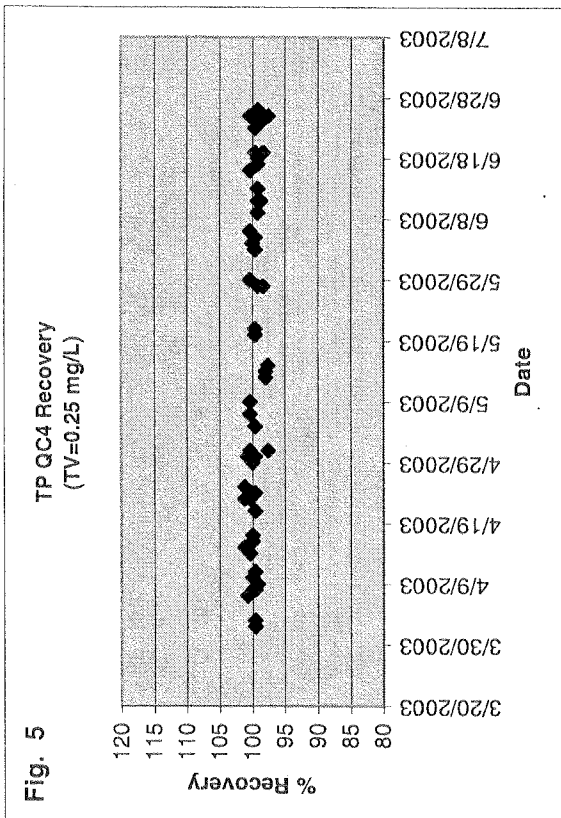
% Recovery QC1

MEAN	99.5
MAX	102.7
MIN	96.7



% Recovery QC3

MEAN	98.9
MAX	104
MIN	96



% Recovery QC4
 MEAN 99.6
 MAX 101.2
 MIN 97.6

TP Precision Data 4/1/03-6/30/03 Acceptance Limit = <10%	
Low Level (0-0.2)	High Level (0.2-2)
Max	4.1
Mean	1.0
Std Dev	0.98
3xSD	2.93
UCL	3.9
n	233
Max	1.9
Mean	0.6
Std Dev	0.44
3xSD	1.32
UCL	1.9
n	67

TP Spike Recovery Data 4/1/03-6/30/03 Acceptance Limit = 90-110%	
Min	80
Max	111
Mean	99.4
Std Dev	3.89
3xSD	11.67
LCL	87.7
UCL	111.0
n	290

IV. Inter Laboratory Quality Control Assessment

A. Split and Replicate Studies

To continually assess comparability of results, the District sends split samples to other laboratories on a routine basis. This specific project includes a special quarterly split study for samples collected from the Loxahatchee National Refuge site (EVPA Project), with the Florida Department of Environmental Protection's laboratory.

The result of the latest split study is presented in Table 4. Both laboratories obtained acceptable blank (EB) results. All results pairs met the precision criteria. Values below the PQL have inherent greater variability and thus are not good indicator of inter laboratory comparability. Results for other split studies, which the District laboratory has participated in are also attached.

Table 4. Results of TP split study between SFWMD and FDEP laboratories, EVPA Project, 6/16-17/03

Station	Date Collected	Sample Type	TPO4 Results (mg/L)		Difference (SFWMD-FDEP)	% RPD	Comments
			SFWMD	FDEP			
S5AD	6/16/2003	EB	0.002	<0.004	<MDL	N/A	<PQL
S5AD	6/16/2003	SS	0.104	0.11	-0.006	5.6	< 20 %RPD
LOX8	6/16/2003	SS	0.006	0.012	-0.006	66.7	<PQL
LOX11	6/17/2003	SS	0.007	0.008	-0.001	13.3	<PQL
LOX13	6/17/2003	SS	0.007	0.008	-0.001	13.3	<PQL
LOX14	6/17/2003	SS	0.009	0.009	0.000	0.0	<PQL
LOX16	6/17/2003	SS	0.009	0.008	0.001	11.8	<PQL

B. U.S. Geological Survey Analytical Evaluation Program for Standard Reference Samples (USGS SRS Study)

The District's laboratory participates in the USGS SRS Study on environmental samples semi-annually on a voluntary basis. The Laboratory uses the study to monitor laboratory performance. Statistical analysis of results is conducted by the USGS, upon which laboratory results are based and performance is rated on a scale 0 to 4.

Rating	Absolute Z-value (Rating based on)
4 (Excellent)	0.00 to 0.50
3 (Good)	0.51 to 1.00
2 (Satisfactory)	1.01 to 1.50
1 (Marginal)	1.51 to 2.00
0 (Unsatisfactory)	>2.01?

The result of March 2003 study is presented in Table 5.

Table 5. USGS SRS Study for TP, March 2003

Sample	Reported Value, mg/L	Most Probable Value, mg/L	%R	Rating	Z-Value
M-166	0.057	0.056	1.02	4 (Excellent)	0.11
N-77	0.069	0.065	1.06	3 (Good)	0.83
N-78	0.634	0.640	0.99	4 (Excellent)	-0.19

M-166=major constituents; N-77, N-78=Nutrient constituents.

C. National Proficiency Testing Results

As a requirement for laboratory certification, the District's laboratory performs proficiency testing (PT) on environmental samples on a semi-annual basis. This study is administered by vendors that have been approved by the National Institute of Science and Technology as PT providers for National Environmental Laboratory Accreditation Conference.

The result of April 2003 study is presented in Table 6.

Table 6. Laboratory Proficiency Testing Results for TP, April 2003

Analyte	Reported Value, mg/L	Assigned Value, mg/L	%Rec.	Status	National Ranking
Sample 1 (WP)	2.52	2.61	96.6	Acceptable	With 69 laboratories reporting data the District rank was # 1
Sample 2 (APG)	6.76	6.79	99.6	Acceptable	With 36 laboratories reporting data the District rank was # 3

WP=water pollution; APG=Analytical Products Group, Inc.

D. FDEP Everglades Total Phosphorus Round Robin Study

A copy of the Everglades Round Robin 14 study results showing the District's Laboratory performance, as compared with the other participating laboratories is also provided in this report. A general evaluation of the study indicates that the District's results, at all levels, were at or around the central tendency and that analytical precision was excellent. Statistical analysis of this study is being done by FDEP consultant.

Round Robin TP-14

Results (ug/L)

Laboratory	SITE										WCA2F2										WCA2F4																																				
	S10-C					S-5A					WCA215					WCA2F2					WCA2F4																																				
ELAB, Inc.	58.6	55.8	56.5	55.0	180	195	178	178	178	5.10	4.10	4.30	38.5	34.2	38.9	9.40	10.9	9.90	10.1	46.0	63.3	50.3	58.1	130	127	137	120	120	8.67	6.94	19.9	40.8	32.9	41.6	15.6	15.6	24.3	19.9	57.1	55.8	54.4	54.2	173	172	170	177	177	4.04	3.541	3.201	38.1	37.4	37.8	8.30	11.5	7.56	10.2
Everglades Laboratories, Inc.	46.0	63.3	50.3	58.1	130	127	137	120	120	8.67	6.94	19.9	40.8	32.9	41.6	15.6	15.6	24.3	19.9	57.1	55.8	54.4	54.2	173	172	170	177	177	4.04	3.541	3.201	38.1	37.4	37.8	8.30	11.5	7.56	10.2																			
Harbor Branch Environmental Laboratory	0.058	0.054	0.054	0.053	0.114	0.123	0.112	0.114	0.114	0.016	0.017	0.015	0.041	0.043	0.039	0.021	0.022	0.022	0.021	58.5	58.2	58.7	58.8	169	169	168	169	169	4.1	4.3	4.4	41.7	43.0	42.3	10.4	9.6	10.1	9.9																			
Lee County Environmental Labs	2	16	14	6	15	8	18	3	18	10	9	12	3	1	17	4	5	4	11	58.5	58.2	58.7	58.8	169	169	168	169	169	4.1	4.3	4.4	41.7	43.0	42.3	10.4	9.6	10.1	9.9																			
TestAmerica, Inc	15	11	13	7	12	12	3	5	16	16	16	160	160	160	160	160	160	160	160	58.5	58.2	58.7	58.8	169	169	168	169	169	4.1	4.3	4.4	41.7	43.0	42.3	10.4	9.6	10.1	9.9																			
USGS - Ocala	15	11	13	7	12	12	3	5	16	16	16	160	160	160	160	160	160	160	160	58.5	58.2	58.7	58.8	169	169	168	169	169	4.1	4.3	4.4	41.7	43.0	42.3	10.4	9.6	10.1	9.9																			
US Biosystems, Inc	55	55	55	55	160	160	160	160	160	4.11	4.41	4.41	38	38	38	11	11	11	11	55	55	55	55	160	160	160	160	160	4.11	4.41	4.41	38	38	38	11	11	11	11																			
U.S. Sugar Corp. - South Bay Laboratory	61	61	61	61	169	169	169	169	169	9	9	9	42	42	42	17	17	17	17	61	61	61	61	169	169	169	169	169	9	9	9	42	42	42	17	17	17	17																			
STL Miami, Inc.	0.062	0.062	0.064	0.060	0.184	0.184	0.174	0.182	0.182	0.011	0.012	0.011	0.047	0.043	0.042	0.019	0.017	0.017	0.016	0.062	0.062	0.064	0.060	0.184	0.184	0.174	0.182	0.182	0.011	0.012	0.011	0.047	0.043	0.042	0.019	0.017	0.017	0.016																			
Short Environmental Laboratories	17	6	3	1	11	8	18	12	12	7	13	2	4	9	10	16	5	15	14	17	6	3	1	11	8	18	12	12	7	13	2	4	9	10	16	5	15	14																			
Metro Dade County Environmental Resources Mgt.	57.77	56.94	57.05	57.89	166.75	163.87	167.75	168.81	168.81	5.291	5.491	4.661	39.44	39.33	39.91	10.42	11.19	10.95	10.90	57.77	56.94	57.05	57.89	166.75	163.87	167.75	168.81	168.81	5.291	5.491	4.661	39.44	39.33	39.91	10.42	11.19	10.95	10.90																			
Columbia Analytical Services - Jax	64	97	66	66	175	167	187	172	172	10	19	19	111	51	69	19	17	17	56	64	97	66	66	175	167	187	172	172	10	19	19	111	51	69	19	17	17	56																			
FL Dept. of Environmental Protection	57	55	55	56	170	175	167	171	171	7.1	6.1	6.1	42	41	40	12	10	7.1	12	57	55	55	56	170	175	167	171	171	7.1	6.1	6.1	42	41	40	12	10	7.1	12																			
Orange County Environmental Protection Division	54	53	53	53	166	171	168	162	162	3.1	3.1	6.1	36	35	35	8.1	8.1	9	8.1	54	53	53	53	166	171	168	162	162	3.1	3.1	6.1	36	35	35	8.1	8.1	9	8.1																			
Collier County Pollution Department	55	55	54	55	164	162	163	164	164	5.1	5.1	5.1	37	37	38	10	10	11	10	55	55	54	55	164	162	163	164	164	5.1	5.1	5.1	37	37	38	10	10	11	10																			
South FL Water Mgt. District	55	57	49	54	147	156	146	152	152	4U	5.1	4.1	34	37	35	8.1	9.1	9.1	10.1	55	57	49	54	147	156	146	152	152	4U	5.1	4.1	34	37	35	8.1	9.1	9.1	10.1																			
UF/IFAS Wetlands Biogeochemistry Laboratory	55	56	54	54	156	158	156	157	157	4	5	5	38	37	38	11	10	10	10	55	56	54	54	156	158	156	157	157	4	5	5	38	37	38	11	10	10	10																			
DB Environmental Laboratories, Inc.	60	59	59	61	176	172	173	173	173	6.1	6.1	7.1	40	40	40	11.1	12	11.1	11.1	60	59	59	61	176	172	173	173	173	6.1	6.1	7.1	40	40	40	11.1	12	11.1	11.1																			
UF/IFAS Tropical Research & Education Center	53	56	53	52	128	129	128	129	129	8	8	7	37	37	39	14	13	13	13	53	56	53	52	128	129	128	129	129	8	8	7	37	37	39	14	13	13	13																			
FL International University	58.21	59.22	53.15	59.16	120.75	109.49	120.38	119.47	119.47	4.65	4.45	7.85	38.85	37.86	42.57	11.84	10.15	11.13	6.98	58.21	59.22	53.15	59.16	120.75	109.49	120.38	119.47	119.47	4.65	4.45	7.85	38.85	37.86	42.57	11.84	10.15	11.13	6.98																			
Duke University School of the Environment	63.0	62.0	64.0	64.0	164.0	165.0	165.0	165.0	165.0	11.0	11.0	11.0	44.0	45.0	45.0	15.0	15.0	15.0	16.0	63.0	62.0	64.0	64.0	164.0	165.0	165.0	165.0	165.0	11.0	11.0	11.0	44.0	45.0	45.0	15.0	15.0	15.0	16.0																			

Glossary

Equipment blank (EB). A general terminology used for analyte-free water that is processed on-site through all sampling equipment used in routine sample processing. May be an assessment of effectiveness of laboratory decontamination (LCEB) or on-site (field) decontamination (FCEB). EB values are indicative of the effectiveness of the decontamination process.

Field Cleaned Equipment Blank (FCEB). Analyte-free water that is processed on-site, after the first sampling site, through all sampling equipment used in routine sample processing. EB values are indicative of the effectiveness of the decontamination process.

Field blank (FB). Analyte-free water that is poured directly into the sample container on site during routine collection, preserved and kept open until sample collection is completed for the routine sample at that site. FB values are indicative of environmental contamination on site.

Split sample (SS). A second sample collected from the same sample obtained from the same sampling device. Results for SS are compared with routine sample results; agreement between these two results is mostly an indication of laboratory precision.

Replicate sample (RS). A second sample collected from the same source as the routine sample, using the same sampling equipment. RS data are compared to routine sample to evaluate sampling precision.

Precision. The agreement or closeness between two or more results and is an indication that the measurement system is operating consistently and is a quantifiable indication of variations introduced by the analytical systems over a given time and field sampling period.

Accuracy. The agreement between the actual obtained result and the expected result. QC check samples having known or "true" value are used to test for the accuracy of a measurement system.

Method Detection Limit (MDL). The smallest concentration of an analyte of interest that can be measured and reported with 99 percent confidence that the concentration is greater than zero. The MDL's are determined from the analysis of a sample in a given matrix, using accepted sampling and analytical preparation procedures, containing the analyte at a specified level. The MDL is determined by the protocol defined in section 40 CFR Part 136, Appendix B as established by the EPA.

Practical Quantitation Limit (PQL). The smallest concentration of an analyte of interest that can be quantitatively reported with a specific degree of confidence. Generally, the PQL is 12 times the standard deviation that is derived from the procedure used to determine the MDL, or can be assumed to be 4 times the MDL.

Relative Standard Deviation (RSD). A measurement of precision, used when comparing more than two results. It is calculated as: $\%RSD = [\text{Std. Deviation}/\text{Mean}] * 100$

Relative Percent Difference (RPD). A measure of precision, used when comparing two values. It is calculated as: $\%RPD = [(\text{Value1} - \text{Value2})/\text{Mean}] * 100$.

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S332DW-060500-1600	5-Jun-00	0.009	0.008	0.017	
ANAMAR Split Samples	S332DW-060500-0800	5-Jun-00	0.011	0.007	0.010	
ANAMAR Split Samples	S332DW-060500-0000	5-Jun-00	0.013	0.007	0.010	
ANAMAR Split Samples	S331-061200-1600	12-Jun-00	0.012	0.010	0.018	
ANAMAR Split Samples	S331-061200-0800	12-Jun-00	0.014	0.012	0.020	
ANAMAR Split Samples	S331-061200-0000	12-Jun-00	0.017	0.015	0.024	
ANAMAR Split Samples	L31WTS-062100-1600	21-Jun-00	0.010	0.006	0.010	
ANAMAR Split Samples	L31WTS-062100-0000	21-Jun-00	0.011	0.009	0.020	
ANAMAR Split Samples	L31WTS-062100-0800	21-Jun-00	0.012	0.006	0.008	
ANAMAR Split Samples	S332DW-062700-0000	27-Jun-00	0.007	0.009	0.006	
ANAMAR Split Samples	S332DW-062700-0800	27-Jun-00	0.012	0.018	0.012	
ANAMAR Split Samples	S332DW-062700-1600	27-Jun-00	0.019	0.020	0.008	
ANAMAR Split Samples	S332B-070300-0800	3-Jul-00	0.005	0.006	0.007	
ANAMAR Split Samples	S332B-070300-0000	3-Jul-00	0.006	0.008	0.012	
ANAMAR Split Samples	S332B-070300-1600	3-Jul-00	0.007	0.007	0.009	
ANAMAR Split Samples	0.010 STANDARD	6-Jul-00	0.010	0.011	0.010	
ANAMAR Split Samples	0.010 STANDARD	6-Jul-00	0.010	0.011	0.010	
ANAMAR Split Samples	0.010 STANDARD	6-Jul-00	0.011	0.012	0.009	
ANAMAR Split Samples	0.010 STANDARD	9-Jul-00	0.010	0.009	0.006	
ANAMAR Split Samples	0.010 STANDARD	9-Jul-00	0.011	0.010	0.010	
ANAMAR Split Samples	0.010 STANDARD	9-Jul-00	0.011	0.009	0.013	
ANAMAR Split Samples	S331-071000-0800	10-Jul-00	0.008	0.005	<0.004	
ANAMAR Split Samples	S331-071000-0000	10-Jul-00	0.009	0.007	<0.004	
ANAMAR Split Samples	S331-071000-1600	10-Jul-00	0.012	0.012	<0.004	
ANAMAR Split Samples	L31WTS-072600-0000	26-Jul-00	0.006	<0.004	<0.004	
ANAMAR Split Samples	L31WTS-072600-0800	26-Jul-00	0.006	0.005	<0.004	
ANAMAR Split Samples	L31WTS-072600-1600	26-Jul-00	0.007	<0.004	<0.004	
ANAMAR Split Samples	S332DW-073100-1600	31-Jul-00	0.005	0.007	0.011	
ANAMAR Split Samples	S332DW-073100-0800	31-Jul-00	0.007	0.005	0.013	
ANAMAR Split Samples	S332DW-073100-0000	31-Jul-00	0.008	0.009	0.013	
ANAMAR Split Samples	S332DW-080200-1600	2-Aug-00	0.007	0.004	<0.004	
ANAMAR Split Samples	S332DW-080200-0800	2-Aug-00	0.008	0.007	<0.004	
ANAMAR Split Samples	S332DW-080200-0000	2-Aug-00	0.011	0.007	<0.004	
ANAMAR Split Samples	L31WTS-081000-0800	10-Aug-00	0.004	0.007	<0.004	
ANAMAR Split Samples	L31WTS-081000-0000	10-Aug-00	0.005	<0.004	<0.004	
ANAMAR Split Samples	L31WTS-081000-1600	10-Aug-00	0.005	<0.004	0.008	
ANAMAR Split Samples	S331-090400-0800	4-Sep-00	0.006	0.007	<0.004	
ANAMAR Split Samples	S331-090400-1600	4-Sep-00	0.006	0.009	0.016	
ANAMAR Split Samples	S331-090400-0000	4-Sep-00	0.007	0.004	0.013	
ANAMAR Split Samples	S332B-092000-0000	20-Sep-00	0.004	0.009	0.023	
ANAMAR Split Samples	S332B-092000-1600	20-Sep-00	0.004	0.005	0.023	

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S332B-092000-0800	20-Sep-00	0.005	0.008	0.019	
ANAMAR Split Samples	S331-092600-0800	26-Sep-00	0.005	0.006	<0.004	
ANAMAR Split Samples	S331-092600-1600	26-Sep-00	0.006	0.005	<0.004	
ANAMAR Split Samples	S331-092600-0000	26-Sep-00	0.007	0.006	<0.004	
ANAMAR Split Samples	S331-100300-0800	3-Oct-00	0.006	<0.004	<0.004	
ANAMAR Split Samples	S331-100300-0000	3-Oct-00	0.007	0.005	0.005	
ANAMAR Split Samples	S331-100300-1600	3-Oct-00	0.007	<0.004	0.004	
ANAMAR Split Samples	S332-100900-0000	9-Oct-00	0.008	0.014	0.004	
ANAMAR Split Samples	S332-100900-0800	9-Oct-00	0.008	0.009	<0.004	
ANAMAR Split Samples	S332-100900-1600	9-Oct-00	0.008	0.017	0.004	
ANAMAR Split Samples	L31WTS-101700-0000	17-Oct-00	0.006	0.005	0.004	
ANAMAR Split Samples	L31WTS-101700-1600	17-Oct-00	0.006	0.006	<0.004	
ANAMAR Split Samples	L31WTS-101700-0800	17-Oct-00	0.007	0.005	<0.004	
ANAMAR Split Samples	S332-102400-0800	24-Oct-00	0.005	0.008	<0.004	
ANAMAR Split Samples	S332-102400-1600	24-Oct-00	0.006	0.007	<0.004	
ANAMAR Split Samples	S331-103000-0000	30-Oct-00	0.005	0.006	0.007	
ANAMAR Split Samples	S331-103000-1600	30-Oct-00	0.005	0.005	0.022	
ANAMAR Split Samples	S331-103000-0800	30-Oct-00	0.006	0.006	0.007	
ANAMAR Split Samples	S332D-110700-0800	7-Nov-00	0.004	<0.004	0.004	
ANAMAR Split Samples	S332D-110700-0000	7-Nov-00	0.005	<0.004	<0.004	
ANAMAR Split Samples	S332D-110700-1600	7-Nov-00	0.005	<0.004	0.004	
ANAMAR Split Samples	S332D-111300-0800	13-Nov-00	0.005	<0.004	0.012	
ANAMAR Split Samples	S332D-111300-0000	13-Nov-00	0.007	0.004	0.012	
ANAMAR Split Samples	S332D-111300-1600	13-Nov-00	0.015	0.021	0.019	
ANAMAR Split Samples	S331-111900-0800	19-Nov-00	<0.004	<0.004	<0.004	
ANAMAR Split Samples	S331-111900-0000	19-Nov-00	0.004	<0.004	0.007	
ANAMAR Split Samples	S331-111900-1600	19-Nov-00	0.005	<0.004	0.006	
ANAMAR Split Samples	S332-112700-0800	27-Nov-00	0.006	0.007	<0.004	
ANAMAR Split Samples	S332-112700-0000	27-Nov-00	0.008	0.009	<0.004	
ANAMAR Split Samples	S332-112700-1600	27-Nov-00	0.013	0.014	<0.004	
ANAMAR Split Samples	S331-120400-0800	4-Dec-00	0.004	0.006	<0.004	
ANAMAR Split Samples	S331-120400-1600	4-Dec-00	0.005	0.006	0.004	
ANAMAR Split Samples	S331-120400-0000	4-Dec-00	0.006	0.007	0.006	
ANAMAR Split Samples	S332DW-121100-0800	11-Dec-00	0.004	0.006	0.012	
ANAMAR Split Samples	S332DW-121100-0000	11-Dec-00	0.005	0.006	0.006	
ANAMAR Split Samples	S332DW-121100-1600	11-Dec-00	0.005	0.006	0.006	
ANAMAR Split Samples	S332DW-121800-0000	18-Dec-00	0.004	0.006	0.008	
ANAMAR Split Samples	S332DW-121800-0800	18-Dec-00	0.004	0.006	0.009	
ANAMAR Split Samples	S332DW-121800-1600	18-Dec-00	0.005	0.006	0.011	
ANAMAR Split Samples	S331-122500-0800 L16356-2	25-Dec-00	<0.004	0.005	0.006	
ANAMAR Split Samples	S331-122500-0000 L16356-1	25-Dec-00	0.004	0.007	0.006	

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S331-122500-1600 L16356-3	25-Dec-00	0.006	0.005	0.007	
ANAMAR Split Samples	L31WTS-010201-0000 L16356-4	2-Jan-01	<0.004	0.005	<0.004	
ANAMAR Split Samples	L31WTS-010201-0800 L16356-5	2-Jan-01	<0.004	0.005	<0.004	
ANAMAR Split Samples	L31WTS-010201-1600 L16356-6	2-Jan-01	<0.004	0.005	0.006	
ANAMAR Split Samples	L31WTS-011001-0000 L16451-1	10-Jan-01	0.004	0.006	0.005	
ANAMAR Split Samples	L31WTS-011001-0800 L16451-2	10-Jan-01	0.004	0.005	0.004	
ANAMAR Split Samples	L31WTS-011001-1600 L16451-3	10-Jan-01	0.007	0.013	0.010	
ANAMAR Split Samples	S331-011501-1600 L16451-6	15-Jan-01	<0.004	0.005	0.006	
ANAMAR Split Samples	S331-011501-0000 L16451-4	15-Jan-01	0.004	0.008	<0.004	
ANAMAR Split Samples	S331-011501-0800 L16451-5	15-Jan-01	0.004	0.006	<0.004	
ANAMAR Split Samples	S332-012301-0000 L16536-1	23-Jan-01	0.006	0.007	0.006	
ANAMAR Split Samples	S332-012301-0800 L16536-2	23-Jan-01	0.007	0.011	0.008	
ANAMAR Split Samples	S332-012301-1600 L16536-3	23-Jan-01	0.007	0.008	0.007	
ANAMAR Split Samples	S332-013001-1600 L16536-6	30-Jan-01	0.005	0.006	0.004	
ANAMAR Split Samples	S332-013001-0000 L16536-4	30-Jan-01	0.006	0.007	0.006	
ANAMAR Split Samples	S332-013001-0800 L16536-5	30-Jan-01	0.006	0.006	0.005	
ANAMAR Split Samples	L31WTS-020601-0000 L16648-1	6-Feb-01	0.006	0.006	0.006	
ANAMAR Split Samples	L31WTS-020601-0800 L16648-2	6-Feb-01	0.006	0.007	0.008	
ANAMAR Split Samples	L31WTS-020601-1600 L16648-3	6-Feb-01	0.008	0.010	<0.004	
ANAMAR Split Samples	L31WTS-021301-0000 L16648-4	13-Feb-01	0.006	0.006	0.005	
ANAMAR Split Samples	L31WTS-021301-1600 L16648-6	13-Feb-01	0.006	0.007	0.006	
ANAMAR Split Samples	L31WTS-021301-0800 L16648-5	13-Feb-01	0.007	<0.004	0.007	
ANAMAR Split Samples	S332D-021901-0800 L16717-2	19-Feb-01	0.007	0.007	0.009	
ANAMAR Split Samples	S332D-021901-1600 L16717-3	19-Feb-01	0.007	0.007	0.007	
ANAMAR Split Samples	S332D-021901-0000 L16717-1	19-Feb-01	0.010	0.012	0.010	
ANAMAR Split Samples	S332D-022701-1600 L16717-6	27-Feb-01	0.006	0.007	0.005	
ANAMAR Split Samples	S332D-022701-0800 L16717-5	27-Feb-01	0.007	0.007	0.004	
ANAMAR Split Samples	S332D-022701-0000 L16717-4	27-Feb-01	0.009	0.009	0.007	
ANAMAR Split Samples	S332DW-031201-1600 L16788-6	12-Mar-01	0.005	0.005	0.005	
ANAMAR Split Samples	S332DW-031201-0000 L16788-4	12-Mar-01	0.006	0.011	0.005	
ANAMAR Split Samples	S332DW-031201-0800 L16788-5	12-Mar-01	0.006	0.006	0.006	
ANAMAR Split Samples	S331-102201-1600 L18350-6	22-Oct-01	<0.004	<0.004	<0.004	<0.010
ANAMAR Split Samples	S331-102201-0000 L18350-4	22-Oct-01	0.004	0.005	<0.004	<0.010
ANAMAR Split Samples	S331-102201-0800 L18350-5	22-Oct-01	0.006	<0.004	<0.004	<0.010
ANAMAR Split Samples	S332D-102401-G L18350-2	24-Oct-01	0.004	0.005	<0.004	<0.010
ANAMAR Split Samples	S336-102401-G L18350-3	24-Oct-01	0.004	0.004	0.004	<0.010
ANAMAR Split Samples	S331-102401-G L18350-1	24-Oct-01	0.006	0.006	0.007	<0.010
ANAMAR Split Samples	S338-111001-0000**(TV=0.0196) L18492-4	10-Nov-01	0.019	0.019	0.020	0.020
ANAMAR Split Samples	S338-111001-0800**(TV=0.0196) L18492-5	10-Nov-01	0.019	0.017	0.022	0.020
ANAMAR Split Samples	S338-111001-1600**(TV=0.0196) L18492-6	10-Nov-01	0.019	0.019	0.020	0.020
ANAMAR Split Samples	S332D-111201-0000 L18492-1	12-Nov-01	<0.004	<0.004	<0.004	0.010

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S332D-111201-0800 L18492-2	12-Nov-01	0.004	<0.004	0.005	<0.010
ANAMAR Split Samples	S332D-111201-1600 L18492-3	12-Nov-01	0.004	0.004	0.004	<0.010
ANAMAR Split Samples	S332DW-120901-0000 L18664-1	9-Dec-01	<0.004	0.005	<0.004	<0.010
ANAMAR Split Samples	S332DW-120901-0800 L18664-2	9-Dec-01	<0.004	<0.004	<0.004	<0.005
ANAMAR Split Samples	S332DW-120901-1600 L18664-3	9-Dec-01	<0.004	0.012	<0.004	0.024
ANAMAR Split Samples	S339-120901-0000**(TV=0.016) L18664-4	9-Dec-01	0.017	0.015	0.016	0.010
ANAMAR Split Samples	S331-011402-0800 L18866-2	14-Jan-02	<0.004	<0.004	0.004	0.007
ANAMAR Split Samples	S331-011402-1600 L18866-3	14-Jan-02	<0.004	<0.004	0.005	0.006
ANAMAR Split Samples	S331-011402-0000 L18866-1	14-Jan-02	0.004	0.004	0.006	0.007
ANAMAR Split Samples	S339-011602-0000**(TV=0.0157) L18866-4	16-Jan-02	0.015	0.014	0.016	0.016
ANAMAR Split Samples	S331-021802-1600 L19093-3	18-Feb-02	0.004	<0.004	0.009	0.006
ANAMAR Split Samples	S331-021802-0000 L19093-1	18-Feb-02	0.005	0.007	0.010	0.026
ANAMAR Split Samples	S331-021802-0800 L19093-2	18-Feb-02	0.005	<0.004	0.007	0.006
ANAMAR Split Samples	S339-022102-0000**(TV=0.0118) L19093-4	22-Feb-02	0.012	0.011	0.012	0.013
ERR Study 13	CA215	10-Mar-02	0.007	0.007	0.007	0.007
ERR Study 13	CA215	10-Mar-02	0.007	0.007	0.007	0.007
ERR Study 13	CA215	10-Mar-02	0.007	0.006	0.007	0.006
ERR Study 13	CA215	10-Mar-02	0.007	0.008	0.007	0.008
ERR Study 13	WCA2F4	10-Mar-02	0.011	0.011	0.010	0.011
ERR Study 13	WCA2F4	10-Mar-02	0.011	0.011	0.010	0.011
ERR Study 13	WCA2F4	10-Mar-02	0.012	0.011	0.010	0.011
ERR Study 11	G251	21-Mar-02	0.015	0.016	0.015	0.016
ERR Study 11	G251	21-Mar-02	0.015	0.015	0.014	0.015
ERR Study 11	G251	21-Mar-02	0.016	0.015	0.014	0.015
ERR Study 11	G251	21-Mar-02	0.016	0.015	0.015	0.015
ERR Study 11	S10C	21-Mar-02	0.017	0.017	0.018	0.017
ERR Study 11	S10C	21-Mar-02	0.017	0.018	0.018	0.018
ERR Study 11	S10C	21-Mar-02	0.017	0.017	0.017	0.017
ERR Study 11	S10C	21-Mar-02	0.017	0.016	0.017	0.016
ERR Study 11	G253	21-Mar-02	0.018	0.018	0.019	0.018
ERR Study 11	G253	21-Mar-02	0.018	0.019	0.019	0.019
ERR Study 11	G253	21-Mar-02	0.019	0.019	0.018	0.019
ANAMAR Split Samples	S332B-032502-0800 L19306-2	25-Mar-02	0.006	0.015	0.008	0.052
ANAMAR Split Samples	S332B-032502-0000 L19306-1	25-Mar-02	0.007	0.008	0.008	0.030
ANAMAR Split Samples	S332B-032502-1600 L19306-3	25-Mar-02	0.007	0.008	0.008	0.036
ANAMAR Split Samples	S339-032702-0000**(TV=0.0098) L19306-4	27-Mar-02	0.009	0.016	0.011	0.032
ANAMAR Split Samples	S332D-042202-1600 L19504-3	22-Apr-02	<0.004	0.004	<0.004	<0.005
ANAMAR Split Samples	S332D-042202-0000 L19504-1	22-Apr-02	0.005	0.004	0.004	<0.005
ANAMAR Split Samples	S332D-042202-0800 L19504-2	22-Apr-02	0.006	0.008	<0.004	<0.005
ANAMAR Split Samples	S339-042402-1600**(TV=0.0157) L19504-6	24-Apr-02	0.016	0.019	0.017	0.022
ANAMAR Split Samples	S332B-060302-0000 L19776-1	3-Jun-02	0.008	0.011	0.012	0.009

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S332B-060302-0800 L19776-2	3-Jun-02	0.008	0.009	0.009	0.009
ANAMAR Split Samples	S332B-060302-1600 L19776-3	3-Jun-02	0.008	0.009	0.008	0.011
ANAMAR Split Samples	S339-060502-0000**(TV=0.0157) L19776-4	5-Jun-02	0.017	0.018	0.015	0.016
ANAMAR Split Samples	S331-071502-0000 L20099-1	15-Jul-02	0.005	0.007	0.005	0.007
ANAMAR Split Samples	S331-071502-0800 L20099-2	15-Jul-02	0.005	0.011	0.005	0.006
ANAMAR Split Samples	S331-071502-1600 L20099-3	15-Jul-02	0.005	0.005	0.005	0.006
ANAMAR Split Samples	S339-071702-0000**(TV=0.0118) L20099-4	17-Jul-02	0.011	0.015	0.011	0.015
ERR Study 12	WCA215	16-Aug-02	0.006	0.009	0.005	0.009
ERR Study 12	WCA215	16-Aug-02	0.007	0.007	0.005	0.007
ERR Study 12	WCA215	16-Aug-02	0.007	0.007	0.005	0.007
ERR Study 12	WCA215	16-Aug-02	0.007	0.009	0.005	0.009
ERR Study 12	F4	16-Aug-02	0.014	0.018	0.013	0.018
ERR Study 12	F4	16-Aug-02	0.014	0.015	0.013	0.015
ERR Study 12	F4	16-Aug-02	0.014	0.018	0.013	0.018
ERR Study 12	F4	16-Aug-02	0.015	0.016	0.013	0.016
ANAMAR Split Samples	S332B-090902-0000 L20513-1	9-Sep-02	0.004	0.006	<0.004	<0.005
ANAMAR Split Samples	S332B-090902-0800 L20513-2	9-Sep-02	0.005	0.008	0.007	<0.005
ANAMAR Split Samples	S332B-090902-1600 L20513-3	9-Sep-02	0.006	0.010	0.006	0.005
ANAMAR Split Samples	S339-091102-0800**(TV=0.0196) L20513-5	11-Sep-02	0.020	0.022	0.021	0.020
ANAMAR Split Samples	S332D-102102-0000 L20827-1	21-Oct-02	0.004	<0.004	0.005	0.007
ANAMAR Split Samples	S332D-102102-0800 L20827-2	21-Oct-02	0.004	<0.004	0.006	0.005
ANAMAR Split Samples	S332D-102102-1600 L20827-3	21-Oct-02	0.006	<0.004	0.007	0.006
ANAMAR Split Samples	S339-102302-0800**(TV=0.0157) L20827-5	23-Oct-02	0.017	0.020	0.016	0.018
ENRR Split Study	P13446, G253G	12/09/02	0.020	0.015		0.018
ANAMAR Split Samples	S332D-121602-0000 L21262-1	16-Dec-02	0.004	0.004	0.005	0.005
ANAMAR Split Samples	S332D-121602-1600 L21262-3	16-Dec-02	0.004	0.004	0.004	<0.005
ANAMAR Split Samples	S332D-121602-0800 L21262-2	16-Dec-02	0.005	0.004	0.005	0.005
ANAMAR Split Samples	S339-121802-1600**(TV=0.0118) L21262-6	18-Dec-02	0.012	0.015	0.013	0.015
ANAMAR Split Samples	S332B-012703-0000 L21520-1	27-Jan-03	0.005	0.006	0.006	0.005
ANAMAR Split Samples	S332B-012703-0800 L21520-2	27-Jan-03	0.005	0.006	0.006	<0.005
ANAMAR Split Samples	S332B-012703-1600 L21520-3	27-Jan-03	0.005	0.005	0.007	<0.005
ANAMAR Split Samples	S339-012903-0000**(TV=0.0118) L21520-4	29-Jan-03	0.013	0.013	0.015	0.011
ANAMAR Split Samples	S332C-030403-0840 L21767-2	4-Mar-03	0.007	0.008	0.009	0.007
ANAMAR Split Samples	S332B-030403-0900 L21767-1	4-Mar-03	0.009	0.008	0.014	0.009
ANAMAR Split Samples	S332DDZE-030403-1600 L21767-3	4-Mar-03	0.009	0.009	0.015	0.011
ANAMAR Split Samples	S332DDZE-041503-1400 L22080-3	15-Apr-03	0.004	0.005	0.006	0.005
ANAMAR Split Samples	S332C-041503-1200 L22080-2	15-Apr-03	0.008	0.009	0.009	0.009
ANAMAR Split Samples	S332B-041503-1000 L22080-1	15-Apr-03	0.009	0.012	0.009	0.009
ANAMAR Split Samples	S332DDZE-052703-1430 L22354-3	27-May-03	0.004	0.005	0.004	<0.005
ANAMAR Split Samples	S332B-052703-0935 L22354-1	27-May-03	0.007	0.009	0.008	0.007
ANAMAR Split Samples	S332C-052703-1130 L22354-2	27-May-03	0.007	0.008	0.006	0.007

Splits (Range 0-20 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S332DDZE-062403-1600 L22559-2	24-Jun-03	0.005	<0.004	0.007	0.006
ANAMAR Split Samples	S332BWeir-062403-1100 L22559-1	24-Jun-03	0.010	0.011	0.011	0.010
SFWMD PE Study	P13178-4 Nutrients FS-004	F2002	<0.002	<0.004		0.013
SFWMD PE Study	P11148-1	S2002	<0.004	<0.004		<0.002
SFWMD PE Study	P11148-2	S2002	0.018	0.021		0.015

* More than one laboratory might be included.

Splits (Range 20-50 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	0.050 STANDARD	22-Jun-00	0.050	0.045	0.056	
ANAMAR Split Samples	0.050 STANDARD	22-Jun-00	0.050	0.043	0.054	
ANAMAR Split Samples	S332B-091200-0000** (TV = 0.043)	12-Sep-00	0.042	0.032	0.049	
ANAMAR Split Samples	S332B-091200-0800** (TV = 0.043)	12-Sep-00	0.043	0.036	0.052	
ANAMAR Split Samples	S332B-091200-1600** (TV = 0.043)	12-Sep-00	0.043	0.043	0.052	
ANAMAR Split Samples	S332-102400-0000	24-Oct-00	0.021	0.019	0.010	
ANAMAR Split Samples	S332DW-030501-0000** (TV = 0.036) L16788-1	5-Mar-01	0.035	0.036	0.034	
ANAMAR Split Samples	S332DW-030501-0800** (TV = 0.036) L16788-2	5-Mar-01	0.035	0.037	0.034	
ANAMAR Split Samples	S332DW-030501-1600** (TV = 0.036) L16788-3	5-Mar-01	0.035	0.036	0.034	
ANAMAR Split Samples	S331-051301-0000** (TV=0.022) L17161-1	13-May-01	0.022	0.021	0.020	
ANAMAR Split Samples	S331-051301-0800** (TV=0.022) L17161-2	13-May-01	0.022	0.021	0.019	
ANAMAR Split Samples	S331-051301-1600** (TV=0.022) L17161-3	13-May-01	0.022	0.020	0.019	
ANAMAR Split Samples	S339-120901-0800** (TV=0.024) L18664-5	9-Dec-01	0.024	0.023	0.023	0.017
ANAMAR Split Samples	S339-120901-1600** (TV=0.031) L18664-6	9-Dec-01	0.032	0.032	0.032	<0.005
ANAMAR Split Samples	S339-011602-0800** (TV=0.0314) L18866-5	16-Jan-02	0.029	0.029	0.031	0.032
ANAMAR Split Samples	S339-022102-0800** (TV=0.0235) L19093-5	22-Feb-02	0.023	0.023	0.024	0.024
ANAMAR Split Samples	S339-022102-1600** (TV=0.0392) L19093-6	22-Feb-02	0.040	0.039	0.042	0.039
ERR Study 13	WCA2U2	10-Mar-02	0.034	0.036	0.036	0.036
ERR Study 13	WCA2U2	10-Mar-02	0.034	0.036	0.036	0.036
ERR Study 13	WCA2U2	10-Mar-02	0.035	0.037	0.036	0.037
ERR Study 13	WCA2U2	10-Mar-02	0.036	0.034	0.036	0.034
ERR Study 11	G256	21-Mar-02	0.022	0.023	0.023	0.023
ERR Study 11	G256	21-Mar-02	0.022	0.023	0.025	0.023
ERR Study 11	G256	21-Mar-02	0.023	0.023	0.023	0.023
ANAMAR Split Samples	S339-032702-0800** (TV=0.0314) L19306-5	27-Mar-02	0.031	0.033	0.033	0.056
ANAMAR Split Samples	S339-042402-0000** (TV=0.0314) L19504-4	24-Apr-02	0.031	0.031	0.031	0.038
ANAMAR Split Samples	S339-042402-0800** (TV=0.0392) L19504-5	24-Apr-02	0.038	0.041	0.04	0.039
ANAMAR Split Samples	S339-060502-0800** (TV=0.0314) L19776-5	5-Jun-02	0.032	0.032	0.031	0.032
ANAMAR Split Samples	S339-060502-1600** (TV=0.0392) L19776-6	5-Jun-02	0.039	0.041	0.038	0.039
ENRR Split Study	P11836, G256	06/10/02	0.030	0.036		0.026
ENRR Split Study	P11836, G255	06/10/02	0.033	0.040		0.022
CAMB	P11831, S10C	07/01/02	0.030		0.019	0.082
ERR Study 12	S10C	16-Aug-02	0.024	0.028	0.024	0.028
ERR Study 12	S10C	16-Aug-02	0.024	0.026	0.025	0.026
ERR Study 12	S10C	16-Aug-02	0.025	0.027	0.022	0.027
ERR Study 12	F2	16-Aug-02	0.040	0.046	0.043	0.046
ERR Study 12	F2	16-Aug-02	0.041	0.047	0.043	0.047
ERR Study 12	F2	16-Aug-02	0.041	0.044	0.041	0.044
ANAMAR Split Samples	S339-091102-1600** (TV=0.0235) L20513-6	11-Sep-02	0.024	0.026	0.024	0.025
ANAMAR Split Samples	S339-091102-0000** (TV=0.0274) L20513-4	11-Sep-02	0.026	0.028	0.028	0.028
ENRR Split Study	P12585, G253G	09/16/02	0.028	0.032		0.029
ENRR Split Study	P12585, G256	09/16/02	0.029	0.036		0.030
CAMB	P12829, S39	10/10/02	0.030		0.029	0.031

Splits (Range 20-50 PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S339-102302-0000**(TV=0.0314) L20827-4	23-Oct-02	0.031	0.035	0.032	0.034
ANAMAR Split Samples	S339-121802-0000**(TV=0.0235) L21262-4	18-Dec-02	0.024	0.028	0.025	0.024
CAMB	P13851, S10A	01/13/03	0.045		0.044	0.044
ANAMAR Split Samples	S339-012903-1600**(TV=0.0235) L21520-6	29-Jan-03	0.024	0.026	0.025	0.029
ANAMAR Split Samples	S339-030403-0800**(TV=0.0368) L21767-5	4-Mar-03	0.037	0.040	0.038	0.037
CAMB	P14772, S39	04/08/03	0.021		0.018	0.169
ANAMAR Split Samples	S339-041503-0000**(TV=0.0460) L22080-4	15-Apr-03	0.045	0.044	0.046	0.049
CAMB	P14961, G136	04/29/03	0.030		0.028	0.041
SFWMD PE Study	P13178-6 Nutrients FS-006	F2002	0.024	0.027		0.030
SFWMD PE Study	P13178-2 Nutrients FS-002	F2002	0.030	0.032		0.042
SFWMD PE Study	P11148-3	S2002	0.032	0.037		0.028
SFWMD PE Study	P11148-5	S2002	0.033	0.037		0.031

* More than one laboratory might be included.

Splits (Range 50- PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	0.100 STANDARD	5-Jun-00	0.098	0.100	0.104	
ANAMAR Split Samples	0.100 STANDARD	5-Jun-00	0.098	0.099	0.108	
ANAMAR Split Samples	0.100 STANDARD	5-Jun-00	0.099	0.100	0.109	
ANAMAR Split Samples	0.050 STANDARD	22-Jun-00	0.051	0.048	0.055	
ANAMAR Split Samples	S332DW-082800-1600** (TV = 0.054)	28-Aug-00	0.051	0.048	0.061	
ANAMAR Split Samples	S332DW-082800-0800** (TV = 0.054)	28-Aug-00	0.052	0.052	0.061	
ANAMAR Split Samples	S332DW-082800-0000** (TV = 0.054)	28-Aug-00	0.053	0.053	0.061	
ANAMAR Split Samples	S339-011602-1600**(TV=0.470) L18866-6	16-Jan-02	0.467	0.450	0.454	0.464
ERR Study 13	S10C	10-Mar-02	0.062	0.063	0.056	0.063
ERR Study 13	S10C	10-Mar-02	0.063	0.063	0.056	0.063
ERR Study 13	S10C	10-Mar-02	0.063	0.06	0.057	0.06
ERR Study 13	S5A	10-Mar-02	0.108	0.115	0.086	0.115
ERR Study 13	S5A	10-Mar-02	0.111	0.115	0.086	0.115
ERR Study 13	S5A	10-Mar-02	0.111	0.113	0.086	0.113
ERR Study 13	S5A	10-Mar-02	0.112	0.114	0.086	0.114
ERR Study 11	S5A	21-Mar-02	0.187	0.212	0.196	0.212
ERR Study 11	S5A	21-Mar-02	0.188	0.218	0.197	0.218
ERR Study 11	S5A	21-Mar-02	0.188	0.201	0.199	0.201
ERR Study 11	S5A	21-Mar-02	0.188	0.206	0.200	0.206
ANAMAR Split Samples	S339-032702-1600**(TV=0.118) L19306-6	27-Mar-02	0.116	0.120	0.121	0.136
LOCP	P11590, GRW2	05/22/02	0.091		0.096	0.103
LOCP	P11590, GRW1	05/22/02	0.229		0.260	0.298
LOCP	P11590, GRW16	05/22/02	0.398		0.420	0.476
LOCP	P11590, GRW8	05/22/02	0.479		0.470	0.476
ENRR Split Study	P11836, G254B	06/10/02	0.064	0.067		0.049
ENRR Split Study	P11836, G253G	06/10/02	0.069	0.077		0.051
CAMB	P11845, S5A	06/18/02	0.260		0.200	0.566
X	P11832, S65E	06/24/02	0.058		0.059	0.052
STA5	P11884, G342A	06/24/02	0.110	0.110		0.129
X	P11832, S84	06/24/02	0.137		0.140	0.130
X	P11832, CULV5	06/24/02	0.140		0.140	0.140
STA5	P11884, G342B	06/24/02	0.153	0.190		0.180
X	P11832, L61W	06/24/02	0.195		0.200	0.200
STA5	P11884, G342C	06/24/02	0.204	0.210		0.230
STA5	P11884, G342D	06/24/02	0.381	0.320		0.388
CAMB	P11831, S10D	07/01/02	0.052		0.036	0.112
CAMB	P11972, G136	07/08/02	0.670		0.660	0.725
ANAMAR Split Samples	S339-071702-0800**(TV=0.0784) L20099-5	17-Jul-02	0.076	0.082	0.079	0.071
ANAMAR Split Samples	S339-071702-1600**(TV=0.118) L20099-6	17-Jul-02	0.115	0.120	0.116	0.118
ERR Study 12	S5A	16-Aug-02	0.182	0.191	0.043	0.191
ERR Study 12	S5A	16-Aug-02	0.183	0.189	0.043	0.189

Splits (Range 50- PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ERR Study 12	S5A	16-Aug-02	0.184	0.193	0.042	0.193
ERR Study 12	S5A	16-Aug-02	0.186	0.197	0.042	0.197
CAMB	P12483, S5A	08/27/02	0.158		0.160	0.163
STA5	P12682, G342C	09/03/02	0.132	0.140		0.131
STA5	P12682, G342A	09/03/02	0.139	0.160		0.149
STA5	P12682, G342B	09/03/02	0.150	0.160		0.158
STA5	P12682, G342D	09/03/02	0.325	0.360		0.329
ENRR Split Study	P12585, G255	09/16/02	0.111	0.130		0.106
ENRR Split Study	P12585, G254B	09/16/02	0.134	0.150		0.131
LOCP	P11590, GRW6	09/25/02	0.113		0.240	0.120
LOCP	P11590, GRW16	09/25/02	0.126		0.190	0.130
LOCP	P11590, GRW8	09/25/02	0.421		0.440	0.381
LOCP	P12490 GRW1	09/25/02	0.495		1.200	0.927
CAMB	P12829, S5AE	10/10/02	0.092		0.090	0.094
CAMB	P12829, S5AW	10/10/02	0.094		0.092	0.098
ANAMAR Split Samples	S339-102302-1600**(TV=0.235) L20827-6	23-Oct-02	0.230	0.240	0.237	0.235
ENRR Split Study	P13446, G256	12/09/02	0.053	0.049		0.052
STA5	P13595, G342D	12/09/02	0.057	0.053		0.059
STA5	P13595, G342A	12/09/02	0.059	0.050		0.059
STA5	P13595, G342B	12/09/02	0.090	0.090		0.090
STA5	P13595, G342C	12/09/02	0.096	0.093		0.096
ENRR Split Study	P13446, G254B	12/09/02	0.140	0.140		0.119
ENRR Split Study	P13446, G255	12/09/02	0.153	0.170		0.025
CAMB	P13627, S5A	12/17/02	0.271		0.280	0.285
ANAMAR Split Samples	S339-121802-0800**(TV=0.0627) L21262-5	18-Dec-02	0.061	0.062	0.066	0.066
CAMB	P13849, G136	01/08/03	0.062		0.061	0.062
CAMB	P13851, S5A	01/13/03	0.128		0.130	0.153
ANAMAR Split Samples	S339-012903-0800**(TV=0.0784) L21520-5	29-Jan-03	0.080	0.078	0.076	0.079
ANAMAR Split Samples	S339-030403-0000**(TV=0.0735) L21767-4	4-Mar-03	0.072	0.074	0.079	0.076
ANAMAR Split Samples	S339-030403-1600**(TV=0.0919) L21767-6	4-Mar-03	0.088	0.094	0.102	0.092
CAMB	P14302, S5A	03/11/03	0.113		0.110	0.108
ENRR Split Study	P14430, G256	03/17/03	0.060	0.062		0.063
STA5	P14368, G342A	03/17/03	0.067	0.070		0.070
STA5	P14368, G342D	03/17/03	0.069	0.066		0.070
STA5	P14368, G342C	03/17/03	0.077	0.076		0.085
STA5	P14368, G342B	03/17/03	0.077	0.080		0.080
ENRR Split Study	P14430, G253G	03/17/03	0.088	0.067		0.093
ENRR Split Study	P14430, G254B	03/17/03	0.088	0.088		0.084
ENRR Split Study	P14430, G255	03/17/03	0.325	0.330		0.300
CAMB	P14772, S5AS	04/08/03	0.131		0.130	0.444
ANAMAR Split Samples	S339-041503-0800**(TV=0.0551) L22080-5	15-Apr-03	0.053	0.052	0.055	0.058

Splits (Range 50- PPB)

Study Description	Site/Station/Sample	Date	SFWMD	FDEP	Other Labs*	Other Labs*
ANAMAR Split Samples	S339-041503-1600**(TV=0.110) L22080-6	15-Apr-03	0.108	0.110	0.110	0.114
ANAMAR Split Samples	S339-052703-0800**(TV=0.0735) L22354-5	27-May-03	0.072	0.074	0.075	0.072
ANAMAR Split Samples	S339-052703-0000**(TV=0.0919) L22354-4	27-May-03	0.088	0.083	0.093	0.092
ANAMAR Split Samples	S339-052703-1600**(TV=0.147) L22354-6	27-May-03	0.142	0.140	0.148	0.143
ANAMAR Split Samples	S339-062403-0000**(TV=0.0735) L22559-3	24-Jun-03	0.074	0.070	0.075	0.076
ANAMAR Split Samples	S339-062403-1600**(TV=0.0919) L22559-5	24-Jun-03	0.093	0.092	0.099	0.096
ANAMAR Split Samples	S339-062403-0800**(TV=0.110) L22559-4	24-Jun-03	0.109	0.110	0.119	0.112
SFWMD PE Study	P13178-3 Nutrients FS-003	F2002	0.052	0.057		0.060
SFWMD PE Study	P13178-1 Nutrients FS-001	F2002	0.105	0.110		0.367
SFWMD PE Study	P13178-5 Nutrients FS-005	F2002	0.105	0.110		0.065
SFWMD PE Study	P11148-6	S2002	0.059	0.059		0.062
SFWMD PE Study	P11148-4	S2002	0.104	0.083		0.193

* More than one laboratory might be included.