



A Waters Company

Thekkekalathil Chandrasekhar
State of Florida DEP - Innov Park Lab
2600 Blair Stone Rd
MS 6512
Tallahassee, FL 32399

WP-189



Final Report

WatR™ Pollution Proficiency Testing

WatR™ Pollution Study

Open Date: 10/08/10

Close Date: 11/22/10

Report Issued Date: 12/10/10



A Waters Company

December 10, 2010

Thekkekalathil Chandrasekhar
State of Florida DEP - Innov Park Lab
2600 Blair Stone Rd
MS 6512
Tallahassee, FL 32399

Enclosed is your final report for ERA's WP-189 WatR™ Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-189 WatR™ Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the most current National Environmental Laboratory Accreditation Conference (NELAC) PT Field of Testing tables, the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the NELAC FoPT tables. If the analyte is not included in the NELAC FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 0260).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™ Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have well over three hundred years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be helpful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-189 WatR™ Pollution Proficiency Testing study. If you have any questions, please contact the proficiency testing department, or myself, at 1-800-372-0122.

Sincerely,

Jay R. McBurney
Quality Program Manager

attachments
jrm



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Report Recipient	Contact/Phone Number	Reporting Type
Florida	Steve Arms / 904-791-1502	All Analytes



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WP-189 Definitions & Study Discussion

Study Dates: 10/08/10 - 11/22/10

Report Issued: 12/10/10

WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current USEPA/NELAC FoPT tables. A parameter not added to the standard is given an Assigned Value of "0" per the guidelines contained in the USEPA's Criteria Document and NELAC standards.

The Acceptance Limits are established per the criteria contained in the most current USEPA/NELAC FoPT tables, or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

Acceptable	= Reported Value falls within the Acceptance Limits.
Not Acceptable	= Reported Value falls outside the Acceptance Limits.
No Evaluation	= Reported Value cannot be evaluated.
Not Reported	= No Value reported.

The Method Description is the method the laboratory reported to ERA.

WP Study Discussion

ERA's WP-189 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the USEPA's National Standards for Water Proficiency Testing Studies Criteria Document (December 1998), and the criteria contained in the most current NELAC FoPT tables.

ERA's WP-189 WatR™Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the USEPA's National Criteria Document for Water Proficiency Testing Studies, December 1998, and the criteria contained in the most current NELAC FoPT tables.

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WP-189 WatR™Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact Jay McBurney, Quality Program Manager, or the proficiency testing department, at 1-800-372-0122.





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Study: **WP-189**

ERA Customer Number: **S744810**

Laboratory Name: **State of Florida DEP -
Innov Park Lab**

Organic Results





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WP-189 Final Complete Report

Thekkekalathil Chandrasekhar
Quality Assurance Officer
State of Florida DEP - Innov Park Lab
2600 Blair Stone Rd
MS 6512
Tallahassee, FL 32399
(850) 245-8085

EPA ID:
ERA Customer Number:
Report Issued:
Study Dates:

FL01182
S744810
12/10/10
10/08/10 - 11/22/10

Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
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WP Volatiles (cat# 830)

4315	Acetone	µg/L		83.8	16.2 - 136	Not Reported	
4320	Acetonitrile	µg/L		0.00		Not Reported	
4325	Acrolein	µg/L		0.00		Not Reported	
4340	Acrylonitrile	µg/L		0.00		Not Reported	
0065	Benzene	µg/L	25.7	25.6	17.8 - 33.4	Acceptable	EPA 8260C
0060	Bromodichloromethane	µg/L	79.9	77.8	55.2 - 105	Acceptable	EPA 8260C
0062	Bromoform	µg/L	54.9	56.0	35.8 - 77.1	Acceptable	EPA 8260C
4950	Bromomethane	µg/L	16.6	21.6	8.64 - 34.6	Acceptable	EPA 8260C
4410	2-Butanone (MEK)	µg/L		0.00		Not Reported	
5000	tert-Butyl methyl ether (MTBE)	µg/L	21.8	21.5	12.5 - 31.8	Acceptable	EPA 8260C
4450	Carbon disulfide	µg/L		0.00		Not Reported	
0058	Carbon tetrachloride	µg/L	24.5	26.5	14.9 - 36.5	Acceptable	EPA 8260C
0064	Chlorobenzene	µg/L	86.5	82.6	59.6 - 103	Acceptable	EPA 8260C
0061	Chlorodibromomethane	µg/L	19.9	21.9	14.7 - 29.0	Acceptable	EPA 8260C
4485	Chloroethane	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
4500	2-Chloroethylvinylether	µg/L		0.00		Not Reported	
0055	Chloroform	µg/L	68.8	67.8	46.9 - 87.1	Acceptable	EPA 8260C
4960	Chloromethane	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
4570	1,2-Dibromo-3-chloropropane (DBCP)	µg/L		0.00		Not Reported	
4585	1,2-Dibromoethane (EDB)	µg/L		0.00		Not Reported	
4595	Dibromomethane	µg/L		70.7	48.4 - 95.5	Not Reported	
0094	1,2-Dichlorobenzene	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
0096	1,3-Dichlorobenzene	µg/L	74.8	70.0	47.5 - 89.1	Acceptable	EPA 8260C
0095	1,4-Dichlorobenzene	µg/L	70.6	65.5	44.4 - 82.1	Acceptable	EPA 8260C
4625	Dichlorodifluoromethane (Freon 12)	µg/L		0.00		Not Reported	
4630	1,1-Dichloroethane	µg/L	< 0.200	0.00		Acceptable	EPA 8260C
0054	1,2-Dichloroethane	µg/L	75.5	74.5	51.7 - 97.7	Acceptable	EPA 8260C
4640	1,1-Dichloroethylene	µg/L	33.0	33.2	17.4 - 48.4	Acceptable	EPA 8260C
4645	cis-1,2-Dichloroethylene	µg/L	29.5	27.7	19.2 - 37.0	Acceptable	EPA 8260C
4700	trans-1,2-Dichloroethylene	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
4655	1,2-Dichloropropane	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
4680	cis-1,3-Dichloropropylene	µg/L	23.2	29.7	20.8 - 38.6	Acceptable	EPA 8260C





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Anal. No.	Analyte	Units	Reported Value	Assigned Value	Acceptance Limits	Performance Evaluation	Method Description
WP Volatiles (cat# 830) (Continued)							
4685	trans-1,3-Dichloropropylene	µg/L	< 0.200	0.00		Acceptable	EPA 8260C
0066	Ethylbenzene	µg/L	18.4	17.9	12.0 - 23.5	Acceptable	EPA 8260C
4835	Hexachlorobutadiene	µg/L		61.8	6.18 - 77.2	Not Reported	
4860	2-Hexanone	µg/L	64.9	117	59.9 - 171	Acceptable	EPA 8260C
0063	Methylene chloride	µg/L	13.5	13.8	8.20 - 20.7	Acceptable	EPA 8260C
4995	4-Methyl-2-pentanone (MIBK)	µg/L	< 4.30	0.00		Acceptable	EPA 8260C
5005	Naphthalene	µg/L		0.00		Not Reported	
5100	Styrene	µg/L	43.8	45.3	29.4 - 61.6	Acceptable	EPA 8260C
5105	1,1,1,2-Tetrachloroethane	µg/L		0.00		Not Reported	
5110	1,1,2,2-Tetrachloroethane	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
0059	Tetrachloroethylene	µg/L	48.2	51.0	28.3 - 66.7	Acceptable	EPA 8260C
0067	Toluene	µg/L	26.1	27.4	19.1 - 34.8	Acceptable	EPA 8260C
5155	1,2,4-Trichlorobenzene	µg/L		104	22.9 - 124	Not Reported	
0056	1,1,1-Trichloroethane	µg/L	29.1	30.3	19.0 - 40.4	Acceptable	EPA 8260C
5165	1,1,2-Trichloroethane	µg/L	< 0.200	0.00		Acceptable	EPA 8260C
0057	Trichloroethylene	µg/L	34.8	38.8	24.6 - 51.1	Acceptable	EPA 8260C
5175	Trichlorofluoromethane	µg/L	< 0.500	0.00		Acceptable	EPA 8260C
5180	1,2,3-Trichloropropane (TCP)	µg/L		0.00		Not Reported	
5225	Vinyl acetate	µg/L		0.00		Not Reported	
5235	Vinyl chloride	µg/L	22.0	22.2	8.88 - 35.5	Acceptable	EPA 8260C
5260	Xylenes, total	µg/L	< 0.500	0.00		Acceptable	EPA 8260C

