City of Fort Lauderdale • Procurement Services Department
100 N. Andrews Avenue, #619 • Fort Lauderdale, Florida 33301
954-828-5933 FAX 954-828-5576
purchase@fortlauderdale.gov

# ADDENDUM NO. 1

ITB 492-10310
Laboratory Testing Service

ISSUED June 22, 2009

1. This addendum is being issued to make the following change:

   Section 2.04 reads in part "The following shall be included with the original bid, however must be provided to the City within three business days from request of the City :"

   This is being replaced to read: "The following should be included with the original bid, however must be provided to the City within three business days from request of the City :"

All other terms, conditions, and specifications remain unchanged.

Bob McKenney, CPPB
Procurement Specialist II

Company Name: Genapure Analytical
(please print)

Bidder's Signature: [signature]

Date: 6/25/09

(9) – Incubator temperatures are monitored twice a day and log-in the Incubators / water baths logbooks. Incubation temperature will be documented in comment section samples logbook or bench-sheets as applicable. *Implemented June -2008*

(10) – As a selected option for FL-PRO method, laboratory has been using C-33 surrogate instead of C-39 (method required) based on response from DEP (Silky Labie) on e-mail correspondence dated Dec-2002. This communication was not approved by the DOH Lab Certification Program Administrator, therefore laboratory has opted to order surrogate C-39 as specified on method. *Anticipated implementation date August -2008.*

(11) – We currently extract a quality control sample for each group of ten samples for these methods. I believe the problem was we had nothing to show the auditors since it is uncommon to have a batch of more than ten samples (in which case we would only have one MS/MSD). *Standard laboratory practice*

comply with quality control protocols. *Anticipated implementation date August-2008*

30. For method 8082 a second source standard is run immediately after calibration for all analytes. For method EPA 8260 a second source standard will be purchased to comply with quality control protocols. . *Anticipated implementation date August-2008*
31. All calculations for percent recovery for all individual analytes within the individual LCS will be performed with the new data acquisition software to be used with HORIZON-lims. *Anticipated implementation date October -2008*
32. As a standard lab procedure the lab will start rotating spikes every two years. *Anticipated implementation date Julyt-2008*
33. Detection limit for Method 1664 has been determined per mandated method protocol or applicable regulation. See attached raw data. *Implemented June -2008*
34. Relationship of LOD's & LOQ's for methods EPA 200.7, 200.8, 300.0, 6020, 9056) is in process. *Anticipated completion and implementation date Sept-2008*
35. (1) – Linear Dynamic Range for EPA 180.1 & EPA 335.4 completed. See attached copies of logbook

    (2) – Informed manager of need to verify calibration for 608.2 by 90-110% criteria. This can be implemented immediately, as it has not affect on the way it is currently run, only on the criteria for continuing calibration percent recoveries. *Implemented June-2008*

    (3) & (4) – For method EPA 608.2 two sample containers per site will be sent to clients for sample collection. Same procedure applies for Field Duplicates (EPA 608.2 & EPA 614.1). Extraction is to be performed on both samples. *Anticipated implementation date July-2008*

    (5) – Color reagent is being added before pH adjustment for method EPA 7196. *Implemented June -2008*

    (6) – pH check will be checked in accordance with SW-846 if aqueous phase is > 20% for method EPA 9040. Otherwise method EPA 9045 will used. *Implemented June -2008*

    (7) – In regard to 552.1 calibration and blanks being run in triplicate, we will have to get further guidance from NELAC. We have pulled and researched literature, questioned discussion forums, asked my contemporaries and colleagues, etc. and have no explanation or mode to carry this one out. We would like to get specific details on NELAC's interpretation of this part of the method. (We received an email from colleague who stated that her interpretation was that triplicate was only necessary if one was running a three point calibration…because her lab does seven, it is not necessary to run in triplicate…This was our original take on the matter, but I don't need to please clarify or confirm. ***NEED FURTHER GUIDANCE – Not implemented at this time until further guidance is received from NELAC.***

    (8) - In regard to solvent exchange when extracting 614/614.1: This will occur immediately upon receipt of the next 614/614.1 sample(s)/PT study. No additional measures need to be taken, just solvent exchange during the current extraction. *Implemented June -2008*

approved by the DOH Lab Certification Program Administrator, therefore laboratory has opted to order surrogate C-39 as specified on method. *Anticipated implementation date August -2008*

17. New SOP created. *Implemented June - 2008*
18. A statement is available on SOP - Laboratory Notebook /Logbooks, Rev.4.2 Effective date: 02/08/08. *Standard Lab procedure*
19. A statement is available on SOP – Data Review, Report Generation & Transmittal, Rev.2.1 Effective date: 02/10/08. *Standard Lab procedure*
20. Coordinating with Agilent to implement the use monitoring of the audit trail feature and data processing software. The quality assurance department is currently working on a schedule. *Anticipated completion date August – 2008.*
21. For method EPA 8151 second source—We are using a second source for our calibration. The analyst was informed that a second source must be run with every calibration. In addition, our spikes are from an alternate source. *Implemented June -2008*

    For method EPA 245.1 – all quality control protocols specified by the laboratory method manual were evaluated and none out of compliance issues were cited other than the analysis frequency of the MS / MSD (due to the low amount of sample analyzed MS/MSD are sometime analyzed every 5 to 6 samples, rather than every 20 samples as specified by method). Analyst re-trained to whenever possible to keep frequency as specified per method. *Implemented June-2008*
22. Our current report format includes unique identifiers (i.e. serial number). The total number of pages on each test report is limited to the analytical report and does not include the chain of custody. Total number of pages on each report will be included on new HORIZON-Lims system. *Anticipated full implementation October-2008.*
23. An auto log-out / lock was placed on each PC when idle. A userID and password is required to gain access after log-out/lock. SOP – E-Data Storage & Security has been updated to reflect this change. *Implemented May-2008*
24. The heat distribution characteristic for autoclave was identified by a contracted technician from Air Eze. Calibration report and a map with autoclave cold spots is attached. *Implemented June – 2008*
25. Volume of disposable volumetric equipment will be check with each lot or at least quarterly. *Anticipated implementation date July-2008*
26. Stability and uniformity of heat distribution and time to re-establish thermal equilibrium in water baths and incubators established. *Implemented June -2008*
27. Reference section for all SOP's are been revised to include or reference MDL's, Definitions, and Tables, Diagrams, Flowcharts, and Validation Data. *Anticipated implementation date August -2008*
28. Reference section for all SOP's are been revised to include or reference MDL's, Definitions, and Tables, Diagrams, Flowcharts, and Validation Data. *Anticipated implementation date August -2008*
29. For all analysis a second source standard is run immediately after calibration for all analytes. For method EPA 8260 a second source standard will be purchased to

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Genapure Analytical Services, Inc. | E86240 | April 29- May 2, 2008 | Maurice A. Downer, Jorge Vargas |

**Response to deficiencies:**

1. A statement was included on the QAM Section 18.0 along with a sign up form. (See attached copies). *Implemented May – 2008*
2. A statement was included on QAM Section 4.0. (See attached copies). *Implemented May -2008*
3. Standard Operating Procedure revised (Copy of SOP attached). *Implemented 04/30/08*
4. Isolated incident. Product Code used for sample log-in was a "child" of a "parent" group. When updating methods in "parent" group, lims administrator missed to change "child" product codes. Correct method for Fecal Coliform SM9221E has been updated in the parent groups in our LIMS system to reflect the certified method. Analytical report assessed was revised & sent to client. *Implemented May -2008*
5. Measures to avoid loss or change of original data in records stored electronically are described on SOP – E-data stored & security , Revision No.: 2.1 Effective: 01/10/08. *Implemented since November -2000*
6. A statement has been available on the QAM Section 10.0 (10.5) *Implemented November -2008* and Section 12 (12.2.2.3) *Implemented May -2008*
7. New columns will be added to log-book & bench-sheets to include instrument documentation. All managers have been instructed to verify this documentation is also followed on print-outs and run logs. *Ongoing*
8. Coordinating with Agilent to implement the use monitoring of the audit trail feature and data processing software. The quality assurance department is currently working on a schedule. *Anticipated completion date August – 2008.*
9. Isolated incident. Verification of calculations and relationships was performed by our LIMS system will be performed by our IT department and approved by the QA department on a yearly basis to ensure accuracy of analytical records. *Anticipated completion time for 2008 will be August – 2008.*
10. SOP - Corrective Action Procedures & Documentation updated. *Implemented June-2008*
11. SOP - Corrective Action Procedures & Documentation updated. *Implemented June-2008*
12. SOP - Corrective Action Procedures & Documentation updated. *Implemented June-2008*
13. QAM update, Section 4.0. *Implemented April-2008*
14. SOP – Data Integrity and Laboratory Ethics updated. *Implemented June-2008*
15. Isolated incident, the reference Section XI of SOP – The Determination of Inorganic Anions by Ion Chromatography (Method 300.0 / 9056), has been updated to include the references of all documents that reflect current laboratory activities. *Standard Lab procedure*
16. As a selected option for FL-PRO method, laboratory has been using C-33 surrogate instead of C-39 (method required) based on response from DEP (Silky Labie) on e-mail correspondence dated Dec-2002. This communication was not

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Genapure Analytical Service, Inc. | E86240 | April 29 - May 2, 2008 | Maurice A. Downer, Jorge Vargas |

PARAMETERS SURVEYED:
Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 29. | NELAC 5.5.5.2.2.1(d) - The laboratory does not verify all initial instrument calibrations with a standard obtained from a second source (EPA 8260 Appendix 2 compounds, 8270, 8151 (not always)). | | |
| 30. | Appendix D.1.1.2 (c) to NELAC Chapter 5 - The laboratory does not include all target analytes in the LCS spike mixture over a 2-year period (EPA 8082, 8260 (Appendix 2 compounds)). | | |
| 31. | Appendix D.1.1.2 (d) to NELAC Chapter 5 - The laboratory does not document the calculations for percent recovery for all individual analytes within the individual batch LCS (EPA 8260 (Appendix 2 compounds), 8270). | | |
| 32. | Appendix D.1.1.3.1 (c) to NELAC Chapter 5 - The laboratory does not include all target analytes in the matrix spike (MS) mixture over a 2-year period (EPA 8082, 8141, 8260 (Appendix 2 compounds)). | | |
| 33. | Appendix D.1.1.3.1 (d) to NELAC Chapter 5 - The laboratory does not document the calculations for percent recovery and relative percent difference in matrix spikes and matrix spike duplicates for all individual analytes within the individual batch (EPA 8260 (Appendix 2 compounds)). | | |
| 34. | Appendix D.1.2.1 to NELAC Chapter 5 – The laboratory has not determined the detection limit(s) by the protocol in the mandated test method or applicable regulation (EPA 1664). | | |
| 35. | Appendix D.1.2.1(c) to NELAC Chapter 5 – The laboratory has not established procedures to relate Limits of Detection (LODs) with Limits of Quantitation (LOQs) (EPA 200.7, 200.8, 300.0, 6010, 6020, 9056). | | |

SIGNATURE: _____ Responsible Official  6/12/08 DATE  Page 5 of 6

# STATE OF FLORIDA DEPARTMENT OF HEALTH
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| Genapure Analytical Service, Inc. | E86240 | April 29 - May 2, 2008 | Maurice A. Downer, Jorge Vargas |

PARAMETERS SURVEYED:
Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 23. | NELAC 5.5.10.3.1(b) – Where quality system requirements are not met, the laboratory's does not have a statement of compliance or non-compliance with requirements and/or specifications, including identification of test results derived from any sample that did not meet NELAC sample acceptance requirements (e.g., Microbiology). | | |
| 24. | Appendix D.3.8 (b) (2) (i) – The laboratory has not evaluated the functional properties and performance (e.g., heat distribution characteristics) for each autoclave with respect to typical uses. | | |
| 25. | Appendix D.3.8 (b) (3) (iii) to NELAC Chapter 5 – The laboratory does not check the volume of disposable volumetric equipment such as sample bottles, disposable pipettes, and micropipette tips once per lot. | | |
| 26. | Appendix D.3.8 (b)(6)(i) to NELAC Chapter 5 – The laboratory has not established the stability, uniformity of temperature distribution, and time to re-establish thermal equilibrium conditions (after test sample additions) in incubators and water baths. | | |
| 27. | Each test method in the in-house methods manual does not include or reference all of the following:<br>(1) NELAC 5.5.4.1.2 (b) (3) Method Detection Limit (Labwide)<br>(2) NELAC 5.5.4.1.2(b) (6) Definitions (Labwide)<br>(3) NELAC 5.5.4.1.2(b) (23) (Wet Chemistry) Tables, diagrams, flowcharts, validation data | | |
| 28. | NELAC 5.5.5.2.2.1(a) - The laboratory's test method SOP does not include or reference details of the initial instrument calibration procedures (EPA 300.0, 8270). | | |

SIGNATURE: Maria Delucco — Responsible Official  6/12/08 DATE  Page 4 of 6

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# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

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|---|---|---|---|
| Genapure Analytical Service, Inc. | E86240 | April 29 - May 2, 2008 | Maurice A. Downer, Jorge Vargas |

PARAMETERS SURVEYED:
Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 16. | NELAC 5.5.4.1.1(f) –The laboratory does not document and include in the methods manual any changes, including the use of a selected option, to perform the test (FL – PRO). | | |
| 17. | NELAC 5.5.4.6.1 - The laboratory does not have or apply procedures for estimating uncertainty of measurement. | | |
| 18. | NELAC 5.5.4.7.1(a) – The laboratory has not established standard operating procedures to ensure that reported data is free from transcription and calculation errors. | | |
| 19. | NELAC 5.5.4.7.1(b) –The laboratory has not established standard operating procedures to ensure that all quality control measures are reviewed and evaluated before data are reported. | | |
| 20. | NELAC 5.5.4.7.2(d) –The laboratory has not established and implemented appropriate procedures for the maintenance of electronic data security (includes the prevention of unauthorized access to and unauthorized amendment of computer records). | | |
| 21. | NELAC 5.5.9.2(d) – The quality control protocols specified by the laboratory's method manual are not being followed (EPA 245.1, 8151). | | |
| 22. | Each laboratory report to an outside client does not include the following information:<br>(1) NELAC – 5.5.10.2(c) Unique identification of the test report (e.g. serial number) and of each page and the total number of pages. | | |

SIGNATURE: Maria Pacheco — Responsible Official  6/10/08 — DATE  Page 3 of 6

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# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

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| Genapure Analytical Service, Inc. | E86240 | April 29 - May 2, 2008 | Maurice A. Downer, Jorge Vargas |

PARAMETERS SURVEYED:
Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 8. | NELAC 5.4.12.2.5.3(m) – The analytical records in the laboratory do not include electronic data security. | | |
| 9. | NELAC 5.4.12.2.5.3(m) – The analytical records in the laboratory do not demonstrate software documentation and verification. | | |
| 10. | NELAC 5.4.13.3 - The laboratory's management does not ensure that corrective actions are discharged within the appropriate and agreed time frame as indicated in the quality manual and/or Standard Operating Procedures. | | |
| 11. | NELAC 5.4.13.4 – The laboratory does not conduct follow-up audit activities to verify and record the implementation and effectiveness of the corrective action taken. | | |
| 12. | NELAC 5.4.14.2 –The laboratory management does not ensure that corrective actions are discharged within the appropriate and agreed time frame. | | |
| 13. | NELAC 5.6.2(a) - The laboratory management does not define the minimal level of qualification, skills, and experience necessary for all positions in the laboratory (e.g., Basic laboratory skills such as using a balance, pipeting, colony counting, and aseptic or quantitative techniques must also be considered). | | |
| 14. | NELAC 5.5.2.7– The topics covered in data integrity training are not documented in writing and provided to all trainees. | | |
| 15. | NELAC 5.5.4.1.1–The laboratory does not have standard operating procedures that accurately reflect all phases of current laboratory activities such as assessing data integrity, corrective actions, handling customer complaints, and all test methods (EPA 300.0, 9056). | | |

SIGNATURE: Maria Cochero — Responsible Official  6/13/08 — DATE  Page 2 of 6

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# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

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PARAMETERS SURVEYED:
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|---|---|---|---|
| 1. | NELAC 5.4.1.5(b) - The laboratory does not have processes to ensure that its personnel are free from commercial, financial, or other undue pressures which might adversely affect quality of their work. | | |
| 2. | NELAC 5.4.2.4 - The roles and responsibilities of the technical management and the quality manager do not include their responsibility for ensuring compliance with the NELAC Standards. | | |
| 3. | NELAC 5.4.5.1 -The laboratory does not submit subcontract work for testing covered under NELAP only to a laboratory accredited under NELAP for the tests to be performed.<br><br>Note: The subcontractor can also be a laboratory that meets applicable statutory and regulatory requirements for performing the tests and submitting the results of tests performed | | |
| 4. | NELAC 5.4.5.1 and 6.8(b)(1) -The laboratory does not clearly identify in final reports non-NELAP accredited work (Microbiology). | | |
| 5. | NELAC 5.4.12.2.3 -The laboratory does not take equivalent measures to avoid loss or change of original data in records stored electronically. | | |
| 6. | NELAC 5.4.12.2.4(f) - The laboratory does not have a plan to ensure that records are maintained or transferred according to clients' instructions in the event that the laboratory transfers ownership or goes out of business. | | |
| 7. | NELAC 5.4.12.2.5.3(c) – The analytical records in the laboratory do not include instrumentation identification on bench-sheets, printouts and run logs (Wet Chemistry). | | |

SIGNATURE: Maria Rodriguez — Responsible Official  6/12/08 — DATE  Page 1 of 6

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9. Deficiency # 36 (1) constitute repeat occurrences of the same deficiencies identified during the previous on-site assessment. Failure to correct deficiencies and to maintain correction of these deficiencies violates Sections 403.0625 (4) and 403.863(4) of the Florida Statutes and can result in penalties according to Sections 403.0625 (5) and 403.863(4). A history of non-compliance subjects the laboratory to administrative penalties, and jeopardizes the laboratory's certification for all the Fields of Accreditation that are affected.

As part of an acceptable corrective action plan, the laboratory must submit copies of recent documentation along with the completed plan of corrections (DH Form 1137) as evidence that the deficiencies noted as "Repeat Deficiency" have been corrected. This documentation needs to reflect the entries demonstrating compliance in accordance with the requirement of the standards.

Deficiency # 36 (1) – Copies of linear Calibration range (or Linear Dynamic range) evaluations for the methods listing.

V. CONCLUSIONS:

Except as noted in Comment 9, the laboratory's personnel, procedures, equipment, facilities, and quality system are in compliance with the requirements of FAC Rule 64E-1 and the 2003 NELAC Standards. When the deficiencies listed in Section II are corrected, and the documentation required in Comment 9 is deemed acceptable, certification and data acceptance may be recommended for Fields of Accreditation in the following category(ies):

Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's

The above category(ies) are referenced in 64E-1.007, Florida Administrative Code.

| | |
|---|---|
| Total Xylene | EPA 8021 |
| m/p-Xylenes | EPA 8260 |
| o-Xylene | EPA 8260 |

3. AAMS has been updated to reflect the current list of technical directors as per the April 16, 2008 on-site report.

4. The laboratory's management and staff must not communicate with any individual at another laboratory (including intra-laboratory communication) concerning the PT sample.

5. The email dated December 20, 2002 from Silky Labie at DEP addresses a modification to the test method, but does not address certification for FL PRO.

6. The Quality Manual reviewed in the laboratory was Revision 3.2, which had an effective date of March 25, 2008.

7. The Quality Assurance (QA) Director, Maria Pacheco, withdrew the laboratory's application for the following Fields of Accreditation:

Drinking Water

| Analyte | Method |
|---|---|
| Carbofuran (Furadan) | EPA 531.1 |
| Oxamyl | EPA 531.1 |
| Glyphosate | EPA 547 |
| Diaquat | EPA 549.2 |

Non-Potable Water

| Analyte | Method |
|---|---|
| Mercury | EPA 200.8 |
| Mercury | EPA 6020 |

Solid and Chemical Materials

| Analyte | Method |
|---|---|
| Mercury | EPA 6020 |
| Acenaphththene | EPA 8310 |
| Acenaphthylene | EPA 8310 |
| Anthracene | EPA 8310 |
| Benzo(a)anthracene | EPA 8310 |
| Benzo(a)pyrene | EPA 8310 |
| Benzo(b)fluoranthene | EPA 8310 |
| Benzo(g,h,i)perylene | EPA 8310 |
| Benzo(k)fluoranthene | EPA 8310 |
| Chrysene | EPA 8310 |
| Dibenz(a,h) anthracene | EPA 8310 |
| Fluoranthene | EPA 8310 |
| Fluorene | EPA 8310 |
| Indeno(1,2,3-cd)pyrene | EPA 8310 |
| Naphthalene | EPA 8310 |
| Phenanthrene | EPA 8310 |
| Pyrene | EPA 8310 |

8. The application received February 15, 2008 and the hand-delivered application received May 2, 2008, are considered complete after this assessment. All Fields of Accreditation have been assessed and the updated scope of accreditation reflects all additions and changes that can be made at this time.

| | |
|---|---|
| Di Methyl Phthalate | EPA 625 |
| Di -n-Butyl Phthalate | EPA 625 |
| Di -n-Octyl Phthalate | EPA 625 |
| Isophorone | EPA 625 |
| Phenol | EPA 625 |

Non-Potable Water

| Analyte | Method |
|---|---|
| Acidity | EPA 305.1 |
| Cyanide | EPA 335.3 |
| Dissolved Oxygen | EPA 360.1 |
| Chromium VI | EPA 7195 |
| Dissolved Oxygen | SM 4500 – O G |

Solid and Chemical Materials

| Analyte | Method |
|---|---|
| Extractable Organic Halides (EOX) | EPA 9023 |
| Oil and Grease | EPA 9071 |

2. Based on the application received February 15, 2008 and the hand-delivered application received May 2, 2008, and observations made during this assessment, the following Fields of Accreditation may be recommended for certification once this Accrediting Authority is in receipt of an acceptable Plan of Correction for each deficiency in Section II. The Effective date for certification will be no sooner than when acceptable Plans of Correction to deficiencies noted on Form DH 1137 are received.

Drinking Water

| Analyte | Method |
|---|---|
| m/p-Xylenes | EPA 524.2 |
| o-Xylene | EPA 524.2 |
| Monochloroacetic Acid | EPA 552.1 |
| Dichloroacetic Acid | EPA 552.1 |
| Monobromoacetic Acid | EPA 552.1 |
| Bromochloroacetic Acid | EPA 552.1 |
| Dibromoacetic Acid | EPA 552.1 |

Non-Potable Water

| Analyte | Method |
|---|---|
| Chemical Oxygen Demand | HACH 8000 |

Solid and Chemical Materials

| Analyte | Method |
|---|---|
| Selenium | EPA 6020 |
| 1,2-Dichlorobenzene | EPA 8021 |
| 1,3-Dichlorobenzene | EPA 8021 |
| 1,4-Dichlorobenzene | EPA 8021 |
| Benzene | EPA 8021 |
| Chlorobenzene | EPA 8021 |
| Ethylbenzene | EPA 8021 |
| Methyl tert-butyl ether (MTBE) | EPA 8021 |
| Toluene | EPA 8021 |
| m/p-Xylenes | EPA 8021 |
| o-Xylene | EPA 8021 |

NATIONAL ENVIRONMENTAL LABORATORY
ACCREDITATION PROGRAM
ON-SITE LABORATORY ASSESSMENT REPORT
Bureau of Laboratories
Florida Department of Health

| | |
|---|---|
| Laboratory: | Genapure Analytical Service, Inc. |
| Address: | 3231 N.W. 7th Avenue<br>Boca Raton, FL 33431 |
| I. D. Number: | E86240 |
| Date of Assessment: | April 29 - May 2, 2008 |
| Categories Assessed: | Drinking Water - Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Other Regulated Contaminants, Group II Unregulated Contaminants, Group III Unregulated Contaminants; Non-Potable Water - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's; Solid and Chemical Materials - Microbiology, Metals, General Chemistry, Volatile Organics, Extractable Organics, Pesticides-Herbicides-PCB's |
| Assessors: | Maurice A. Downer, Jorge Vargas |

I. INTRODUCTION:

This laboratory was inspected on-site to verify compliance with Florida Administrative Code (FAC) Rule 64E-1, Certification of Environmental Testing Laboratories, which incorporates by reference the 2003 standards adopted at the National Environmental Laboratory Accreditation Conference (NELAC).

II. DEFICIENCIES:

See the accompanying DH Form 1137. Proposed corrective action plans, estimated completion dates, and original signatures & dates from responsible laboratory officials must be returned on this form to this office within 30 days of receipt of this report.

III. LABORATORY TECHNICAL DIRECTORS (Name & Title):

| | |
|---|---|
| Kim Kostner | Laboratory Director |
| Stephanie Barrett | Technical Director - Organics |
| Barbara Rudziecka | Technical Director – Microbiology and Inorganics |
| Maria Pacheco | Quality Assurance (QA) Director |

IV. COMMENTS:

1. The Laboratory's Quality Assurance (QA) Director Maria Pacheco requested to relinquish certification for the following Fields of Accreditation upon approval of acceptable Plans of Correction:

Drinking Water

| Analyte | Method |
|---|---|
| 2,4,6-Trichlorophenol | EPA 625 |
| 2,4-Dinitrotoluene | EPA 625 |
| 2-Chlorophenol | EPA 625 |
| 2-Methyl - 4,6 - Dinitrophenol | EPA 625 |
| Benzyl Butyl Phthalate | EPA 625 |
| Diethyl Phthalate | EPA 625 |

Charlie Crist
Governor

Ana M. Viamonte Ros, M.D., M.P.H.
State Surgeon General

May 12, 2008
I. D. #E86240

Genapure Analytical Service, Inc.
3231 N.W. 7th Avenue
Boca Raton, FL 33431

Certified Mail 7001 2510 0002 9360 2596

Dear Laboratory Director:

Attached is a copy of the April 29 - May 2, 2008 On-Site Assessment Report and the Statement of Deficiencies and Plan of Correction, DH Form 1137.

Please complete the Statement of Deficiencies and Plan of Correction per instructions on the back of the form, sign and return the original to this office along with any additional documentation required by this report within thirty (30) days of receipt.

A primary function of this agency is to assist facilities in maintaining standards consistent with good laboratory practice through compliance with minimum standards. If you have questions as to what is necessary to establish compliance with the rules for laboratory certification or if this agency may be of assistance in meeting these requirements, please feel free to call me at (904) 791-1576.

Sincerely,

for: Maurice A. Downer
Chemist III
Environmental Laboratory Certification Program

MAD/rm

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Total Petroleum Hydrocarbons (TPH) in Water*** | | | | | | | |
| 1935 | TPH (Gravimetric) | mg/L | 48.7 | 70.0 | 32.3 - 101 | Acceptable | EPA 1664 |
| 1935 | TPH (IR) | mg/L | | 86.1 | 40.2 - 124 | Not Reported | |
| ***BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 94.9 | 88.0 | 64.2 - 111 | Acceptable | EPA 602 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 44.4 | 37.3 | 22.9 - 53.4 | Acceptable | EPA 602 |
| 4765 | Ethylbenzene | µg/L | 86.7 | 94.0 | 65.0 - 119 | Acceptable | EPA 602 |
| 5140 | Toluene | µg/L | 46.7 | 45.4 | 31.5 - 57.1 | Acceptable | EPA 602 |
| 5260 | Xylenes, total | µg/L | 188.2 | 192 | 110 - 257 | Acceptable | EPA 602 |
| ***BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 98.6 | 88.0 | 64.2 - 111 | Acceptable | EPA 8021 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 45.7 | 37.3 | 22.9 - 53.4 | Acceptable | EPA 8021 |
| 4765 | Ethylbenzene | µg/L | 93.5 | 94.0 | 65.0 - 119 | Acceptable | EPA 8021 |
| 5140 | Toluene | µg/L | 46.7 | 45.4 | 31.5 - 57.1 | Acceptable | EPA 8021 |
| 5260 | Xylenes, total | µg/L | 197 | 192 | 110 - 257 | Acceptable | EPA 8021 |
| ***BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 97.0 | 88.0 | 64.2 - 111 | Acceptable | EPA 8260 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 39.7 | 37.3 | 22.9 - 53.4 | Acceptable | EPA 8260 |
| 4765 | Ethylbenzene | µg/L | 105 | 94.0 | 65.0 - 119 | Acceptable | EPA 8260 |
| 5140 | Toluene | µg/L | 47.7 | 45.4 | 31.5 - 57.1 | Acceptable | EPA 8260 |
| 5260 | Xylenes, total | µg/L | 214 | 192 | 110 - 257 | Acceptable | EPA 8260 |
| ***BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 97.0 | 88.0 | 64.2 - 111 | Acceptable | EPA 624 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 39.7 | 37.3 | 22.9 - 53.4 | Acceptable | EPA 624 |
| 4765 | Ethylbenzene | µg/L | 105 | 94.0 | 65.0 - 119 | Acceptable | EPA 624 |
| 5140 | Toluene | µg/L | 47.7 | 45.4 | 31.5 - 57.1 | Acceptable | EPA 624 |
| 5260 | Xylenes, total | µg/L | 214 | 192 | 110 - 257 | Acceptable | EPA 624 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Organophosphorous Pesticides (OPP)*** | | | | | | | |
| 7075 | Azinphos-methyl (Guthion) | µg/L | | 12.4 | 1.74 - 21.1 | Not Reported | |
| 7220 | Carbophenothion | µg/L | | 7.18 | 1.86 - 10.9 | Not Reported | |
| 7300 | Chlorpyrifos | µg/L | | 16.5 | 9.12 - 21.4 | Not Reported | |
| 7395 | Demeton-O | µg/L | | 0.00 | | Not Reported | |
| 7385 | Demeton-S | µg/L | | 0.00 | | Not Reported | |
| 7410 | Diazinon | µg/L | | 9.69 | 3.59 - 14.3 | Not Reported | |
| 8610 | Dichlorvos (DDVP) | µg/L | | 0.00 | | Not Reported | |
| 7475 | Dimethoate | µg/L | | 20.0 | 2.00 - 33.7 | Not Reported | |
| 7495 | Dioxathion | µg/L | | 0.00 | | Not Reported | |
| 8625 | Disulfoton | µg/L | | 8.97 | 1.48 - 14.6 | Not Reported | |
| 7565 | Ethion | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 614.1 |
| 7570 | Ethoprop | µg/L | | 6.64 | 3.73 - 8.77 | Not Reported | |
| 7955 | Ethyl Parathion | µg/L | | 12.0 | 6.60 - 17.4 | Not Reported | |
| 7580 | Famphur | µg/L | | 19.1 | 12.2 - 24.1 | Not Reported | |
| 7640 | Fonofos | µg/L | | 2.28 | 0.490 - 3.84 | Not Reported | |
| 7770 | Malathion | µg/L | | 12.5 | 2.80 - 19.7 | Not Reported | |
| 7825 | Methyl Parathion | µg/L | | 8.50 | 1.50 - 13.4 | Not Reported | |
| 7985 | Phorate | µg/L | | 10.3 | 1.97 - 16.3 | Not Reported | |
| 8000 | Phosmet | µg/L | | 0.00 | | Not Reported | |
| 8110 | Ronnel | µg/L | | 4.91 | 1.55 - 8.84 | Not Reported | |
| 8200 | Stirophos | µg/L | | 0.00 | | Not Reported | |
| 8185 | Terbufos | µg/L | 7.67 | 11.2 | 2.73 - 16.9 | Acceptable | EPA 614.1 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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3231 NW 7th Avenue
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**EPA ID:** FL00449
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**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Organophosphorous Pesticides (OPP)*** | | | | | | | |
| 7075 | Azinphos-methyl (Guthion) | µg/L | 14.0 | 12.4 | 1.74 - 21.1 | Acceptable | EPA 614 |
| 7220 | Carbophenothion | µg/L | 7.57 | 7.18 | 1.86 - 10.9 | Acceptable | EPA 614 |
| 7300 | Chlorpyrifos | µg/L | 12.8 | 16.5 | 9.12 - 21.4 | Acceptable | EPA 614 |
| 7395 | Demeton-O | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 7385 | Demeton-S | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 7410 | Diazinon | µg/L | 8.37 | 9.69 | 3.59 - 14.3 | Acceptable | EPA 614 |
| 8610 | Dichlorvos (DDVP) | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 7475 | Dimethoate | µg/L | 19.2 | 20.0 | 2.00 - 33.7 | Acceptable | EPA 614 |
| 7495 | Dioxathion | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 8625 | Disulfoton | µg/L | 7.14 | 8.97 | 1.48 - 14.6 | Acceptable | EPA 614 |
| 7565 | Ethion | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 7570 | Ethoprop | µg/L | 6.90 | 6.64 | 3.73 - 8.77 | Acceptable | EPA 614 |
| 7955 | Ethyl Parathion | µg/L | 9.65 | 12.0 | 6.60 - 17.4 | Acceptable | EPA 614 |
| 7580 | Famphur | µg/L | 18.8 | 19.1 | 12.2 - 24.1 | Acceptable | EPA 614 |
| 7640 | Fonofos | µg/L | 4.52 | 2.28 | 0.490 - 3.84 | Not Acceptable | EPA 614 |
| 7770 | Malathion | µg/L | 10.8 | 12.5 | 2.80 - 19.7 | Acceptable | EPA 614 |
| 7825 | Methyl Parathion | µg/L | 5.29 | 8.50 | 1.50 - 13.4 | Acceptable | EPA 614 |
| 7985 | Phorate | µg/L | 10.2 | 10.3 | 1.97 - 16.3 | Acceptable | EPA 614 |
| 8000 | Phosmet | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 8110 | Ronnel | µg/L | 7.04 | 4.91 | 1.55 - 8.84 | Acceptable | EPA 614 |
| 8200 | Stirophos | µg/L | < 0.500 | 0.00 | | Acceptable | EPA 614 |
| 8185 | Terbufos | µg/L | | 11.2 | 2.73 - 16.9 | Not Reported | |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Laboratory Code: V558901
Report Issued: 06/21/07
Study Dates: 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Acids*** | | | | | | | |
| 5610 | Benzoic acid | µg/L | | 0.00 | | Not Reported | |
| 5700 | 4-Chloro-3-methylphenol | µg/L | 70.2 | 107 | 41.5 - 138 | Acceptable | EPA 625 |
| 5800 | 2-Chlorophenol | µg/L | 50.9 | 89.8 | 26.6 - 113 | Acceptable | EPA 625 |
| 6000 | 2,4-Dichlorophenol | µg/L | 36.5 | 63.1 | 19.2 - 80.7 | Acceptable | EPA 625 |
| 6005 | 2,6-Dichlorophenol | µg/L | | 147 | 51.0 - 182 | Not Reported | |
| 6130 | 2,4-Dimethylphenol | µg/L | 49.1 | 74.4 | 14.5 - 98.4 | Acceptable | EPA 625 |
| 6360 | 4,6-Dinitro-2-methylphenol | µg/L | 79.6 | 132 | 45.2 - 187 | Acceptable | EPA 625 |
| 6175 | 2,4-Dinitrophenol | µg/L | 61.7 | 106 | 10.6 - 152 | Acceptable | EPA 625 |
| 6400 | 2-Methylphenol | µg/L | 45.1 | 102 | 19.2 - 126 | Acceptable | EPA 625 |
| 6410 | 4-Methylphenol | µg/L | 47.5 | 109 | 10.9 - 141 | Acceptable | EPA 625 |
| 6490 | 2-Nitrophenol | µg/L | 61.9 | 116 | 28.2 - 151 | Acceptable | EPA 625 |
| 6500 | 4-Nitrophenol | µg/L | 40.3 | 129 | 12.9 - 174 | Acceptable | EPA 625 |
| 6605 | Pentachlorophenol | µg/L | 56.9 | 84.3 | 20.4 - 116 | Acceptable | EPA 625 |
| 6625 | Phenol | µg/L | 32.5 | 133 | 13.3 - 179 | Acceptable | EPA 625 |
| 6735 | 2,3,4,6-Tetrachlorophenol | µg/L | | 0.00 | | Not Reported | |
| 6835 | 2,4,5-Trichlorophenol | µg/L | | 64.2 | 24.2 - 84.8 | Not Reported | |
| 6840 | 2,4,6-Trichlorophenol | µg/L | 84.8 | 138 | 44.1 - 172 | Acceptable | EPA 625 |
| ***Acids*** | | | | | | | |
| 5610 | Benzoic acid | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 5700 | 4-Chloro-3-methylphenol | µg/L | 70.2 | 107 | 41.5 - 138 | Acceptable | EPA 8270 |
| 5800 | 2-Chlorophenol | µg/L | 50.9 | 89.8 | 26.6 - 113 | Acceptable | EPA 8270 |
| 6000 | 2,4-Dichlorophenol | µg/L | 36.5 | 63.1 | 19.2 - 80.7 | Acceptable | EPA 8270 |
| 6005 | 2,6-Dichlorophenol | µg/L | 116.0 | 147 | 51.0 - 182 | Acceptable | EPA 8270 |
| 6130 | 2,4-Dimethylphenol | µg/L | 49.1 | 74.4 | 14.5 - 98.4 | Acceptable | EPA 8270 |
| 6360 | 4,6-Dinitro-2-methylphenol | µg/L | 79.6 | 132 | 45.2 - 187 | Acceptable | EPA 8270 |
| 6175 | 2,4-Dinitrophenol | µg/L | 61.7 | 106 | 10.6 - 152 | Acceptable | EPA 8270 |
| 6400 | 2-Methylphenol | µg/L | 45.1 | 102 | 19.2 - 126 | Acceptable | EPA 8270 |
| 6410 | 4-Methylphenol | µg/L | 47.5 | 109 | 10.9 - 141 | Acceptable | EPA 8270 |
| 6490 | 2-Nitrophenol | µg/L | 61.9 | 116 | 28.2 - 151 | Acceptable | EPA 8270 |
| 6500 | 4-Nitrophenol | µg/L | 40.3 | 129 | 12.9 - 174 | Acceptable | EPA 8270 |
| 6605 | Pentachlorophenol | µg/L | 56.9 | 84.3 | 20.4 - 116 | Acceptable | EPA 8270 |
| 6625 | Phenol | µg/L | 32.5 | 133 | 13.3 - 179 | Acceptable | EPA 8270 |
| 6735 | 2,3,4,6-Tetrachlorophenol | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 6835 | 2,4,5-Trichlorophenol | µg/L | 35.5 | 64.2 | 24.2 - 84.8 | Acceptable | EPA 8270 |
| 6840 | 2,4,6-Trichlorophenol | µg/L | 84.8 | 138 | 44.1 - 172 | Acceptable | EPA 8270 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
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3231 NW 7th Avenue
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561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Base/Neutrals (Continued)*** | | | | | | | |
| 6185 | 2,4-Dinitrotoluene | µg/L | 84.5 | 126 | 47.3 - 155 | Acceptable | EPA 8270 |
| 6190 | 2,6-Dinitrotoluene | µg/L | 61.1 | 93.4 | 38.5 - 117 | Acceptable | EPA 8270 |
| 6200 | Di-n-octylphthalate | µg/L | 45.3 | 54.7 | 16.0 - 82.9 | Acceptable | EPA 8270 |
| 6255 | bis(2-Ethylhexyl)phthalate | µg/L | 98.8 | 120 | 35.3 - 164 | Acceptable | EPA 8270 |
| 6265 | Fluoranthene | µg/L | 42.4 | 58.1 | 26.5 - 72.7 | Acceptable | EPA 8270 |
| 6270 | Fluorene | µg/L | 112.0 | 176 | 78.9 - 204 | Acceptable | EPA 8270 |
| 6275 | Hexachlorobenzene | µg/L | 98.8 | 161 | 70.8 - 195 | Acceptable | EPA 8270 |
| 4835 | Hexachlorobutadiene | µg/L | 28.5 | 52.9 | 5.29 - 67.3 | Acceptable | EPA 8270 |
| 6285 | Hexachlorocyclopentadiene | µg/L | 81.6 | 163 | 16.3 - 210 | Acceptable | EPA 8270 |
| 4840 | Hexachloroethane | µg/L | 96.3 | 179 | 19.1 - 208 | Acceptable | EPA 8270 |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | 23.5 | 43.4 | 9.01 - 59.6 | Acceptable | EPA 8270 |
| 6320 | Isophorone | µg/L | 76.7 | 105 | 41.1 - 135 | Acceptable | EPA 8270 |
| 6385 | 2-Methylnaphthalene | µg/L | 23.4 | 45.7 | 7.13 - 59.8 | Acceptable | EPA 8270 |
| 5005 | Naphthalene | µg/L | 59.9 | 112 | 29.6 - 133 | Acceptable | EPA 8270 |
| 6460 | 2-Nitroaniline | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 6465 | 3-Nitroaniline | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 6470 | 4-Nitroaniline | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 5015 | Nitrobenzene | µg/L | 58.5 | 97.8 | 30.6 - 119 | Acceptable | EPA 8270 |
| 6525 | N-Nitrosodiethylamine | µg/L | < 3.70 | 0.00 | | Acceptable | EPA 8270 |
| 6530 | N-Nitrosodimethylamine | µg/L | 50.5 | 116 | 11.6 - 137 | Acceptable | EPA 8270 |
| 6535 | N-Nitrosodiphenylamine | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 6545 | N-Nitroso-di-n-propylamine | µg/L | 41.4 | 59.0 | 15.1 - 79.6 | Acceptable | EPA 8270 |
| 6590 | Pentachlorobenzene | µg/L | 12.0 | 20.4 | 9.29 - 22.4 | Acceptable | EPA 8270 |
| 6615 | Phenanthrene | µg/L | 40.3 | 56.7 | 27.2 - 70.5 | Acceptable | EPA 8270 |
| 6665 | Pyrene | µg/L | 25.7 | 35.3 | 11.4 - 51.8 | Acceptable | EPA 8270 |
| 5095 | Pyridine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | µg/L | < 2.80 | 0.00 | | Acceptable | EPA 8270 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 44.2 | 87.7 | 18.9 - 106 | Acceptable | EPA 8270 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Report Issued: 06/21/07
Study Dates: 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Base/Neutrals*** | | | | | | | |
| 5500 | Acenaphthene | µg/L | 44.2 | 65.7 | 26.7 - 79.1 | Acceptable | EPA 8270 |
| 5505 | Acenaphthylene | µg/L | 49.6 | 78.2 | 30.8 - 95.5 | Acceptable | EPA 8270 |
| 5145 | 2-Amino-1-methylbenzene (o-toluidine) | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 5545 | Aniline | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5555 | Anthracene | µg/L | 30.6 | 41.1 | 17.8 - 52.7 | Acceptable | EPA 8270 |
| 5595 | Benzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 5575 | Benzo(a)anthracene | µg/L | 38.0 | 54.0 | 24.3 - 68.9 | Acceptable | EPA 8270 |
| 5585 | Benzo(b)fluoranthene | µg/L | 36.9 | 55.8 | 20.4 - 75.7 | Acceptable | EPA 8270 |
| 5600 | Benzo(k)fluoranthene | µg/L | 37.8 | 53.0 | 12.6 - 78.6 | Acceptable | EPA 8270 |
| 5590 | Benzo(g,h,i)perylene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5580 | Benzo(a)pyrene | µg/L | 29.9 | 42.8 | 13.0 - 56.0 | Acceptable | EPA 8270 |
| 5630 | Benzyl alcohol | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5660 | 4-Bromophenyl-phenylether | µg/L | 17.2 | 27.0 | 10.3 - 38.2 | Acceptable | EPA 8270 |
| 5670 | Butylbenzylphthalate | µg/L | 95.9 | 113 | 21.0 - 161 | Acceptable | EPA 8270 |
| 5680 | Carbazole | µg/L | 86.8 | 124 | 71.4 - 179 | Acceptable | EPA 8270 |
| 5745 | 4-Chloroaniline | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5760 | bis(2-Chloroethoxy)methane | µg/L | 90.1 | 145 | 57.4 - 171 | Acceptable | EPA 8270 |
| 5765 | bis(2-Chloroethyl)ether | µg/L | 39.1 | 70.0 | 19.8 - 87.3 | Acceptable | EPA 8270 |
| 5780 | bis(2-Chloroisopropyl)ether | µg/L | 66.4 | 138 | 33.4 - 167 | Acceptable | EPA 8270 |
| 5790 | 1-Chloronaphthalene | µg/L | | 0.00 | | Not Reported | |
| 5795 | 2-Chloronaphthalene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5825 | 4-Chlorophenyl-phenylether | µg/L | 35.7 | 57.3 | 21.8 - 72.9 | Acceptable | EPA 8270 |
| 5855 | Chrysene | µg/L | 9.89 | 12.7 | 6.24 - 20.1 | Acceptable | EPA 8270 |
| 5895 | Dibenz(a,h)anthracene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 8270 |
| 5905 | Dibenzofuran | µg/L | 19.7 | 37.5 | 14.3 - 50.0 | Acceptable | EPA 8270 |
| 5925 | Di-n-butylphthalate | µg/L | 133.00 | 166 | 53.3 - 212 | Acceptable | EPA 8270 |
| 4610 | 1,2-Dichlorobenzene | µg/L | 30.1 | 62.0 | 6.56 - 76.6 | Acceptable | EPA 8270 |
| 4615 | 1,3-Dichlorobenzene | µg/L | 62.8 | 124 | 15.0 - 144 | Acceptable | EPA 8270 |
| 4620 | 1,4-Dichlorobenzene | µg/L | 36.6 | 74.1 | 7.41 - 90.4 | Acceptable | EPA 8270 |
| 5945 | 3,3'-Dichlorobenzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 6070 | Diethylphthalate | µg/L | 113.0 | 159 | 30.3 - 215 | Acceptable | EPA 8270 |
| 6135 | Dimethylphthalate | µg/L | 98.2 | 150 | 15.0 - 216 | Acceptable | EPA 8270 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Base/Neutrals (Continued)*** | | | | | | | |
| 6185 | 2,4-Dinitrotoluene | µg/L | 84.5 | 126 | 47.3 - 155 | Acceptable | EPA 625 |
| 6190 | 2,6-Dinitrotoluene | µg/L | 61.1 | 93.4 | 38.5 - 117 | Acceptable | EPA 625 |
| 6200 | Di-n-octylphthalate | µg/L | 45.3 | 54.7 | 16.0 - 82.9 | Acceptable | EPA 625 |
| 6255 | bis(2-Ethylhexyl)phthalate | µg/L | 98.8 | 120 | 35.3 - 164 | Acceptable | EPA 625 |
| 6265 | Fluoranthene | µg/L | 42.4 | 58.1 | 26.5 - 72.7 | Acceptable | EPA 625 |
| 6270 | Fluorene | µg/L | 112.0 | 176 | 78.9 - 204 | Acceptable | EPA 625 |
| 6275 | Hexachlorobenzene | µg/L | 98.8 | 161 | 70.8 - 195 | Acceptable | EPA 625 |
| 4835 | Hexachlorobutadiene | µg/L | 28.5 | 52.9 | 5.29 - 67.3 | Acceptable | EPA 625 |
| 6285 | Hexachlorocyclopentadiene | µg/L | 81.6 | 163 | 16.3 - 210 | Acceptable | EPA 625 |
| 4840 | Hexachloroethane | µg/L | 96.3 | 179 | 19.1 - 208 | Acceptable | EPA 625 |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | 23.5 | 43.4 | 9.01 - 59.6 | Acceptable | EPA 625 |
| 6320 | Isophorone | µg/L | 76.7 | 105 | 41.1 - 135 | Acceptable | EPA 625 |
| 6385 | 2-Methylnaphthalene | µg/L | | 45.7 | 7.13 - 59.8 | Not Reported | |
| 5005 | Naphthalene | µg/L | 59.9 | 112 | 29.6 - 133 | Acceptable | EPA 625 |
| 6460 | 2-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 6465 | 3-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 6470 | 4-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 5015 | Nitrobenzene | µg/L | 58.5 | 97.8 | 30.6 - 119 | Acceptable | EPA 625 |
| 6525 | N-Nitrosodiethylamine | µg/L | | 0.00 | | Not Reported | |
| 6530 | N-Nitrosodimethylamine | µg/L | 50.5 | 116 | 11.6 - 137 | Acceptable | EPA 625 |
| 6535 | N-Nitrosodiphenylamine | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 625 |
| 6545 | N-Nitroso-di-n-propylamine | µg/L | 41.4 | 59.0 | 15.1 - 79.6 | Acceptable | EPA 625 |
| 6590 | Pentachlorobenzene | µg/L | | 20.4 | 9.29 - 22.4 | Not Reported | |
| 6615 | Phenanthrene | µg/L | 40.3 | 56.7 | 27.2 - 70.5 | Acceptable | EPA 625 |
| 6665 | Pyrene | µg/L | 25.7 | 35.3 | 11.4 - 51.8 | Acceptable | EPA 625 |
| 5095 | Pyridine | µg/L | | 0.00 | | Not Reported | |
| 6715 | 1,2,4,5-Tetrachlorobenzene | µg/L | | 0.00 | | Not Reported | |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 44.2 | 87.7 | 18.9 - 106 | Acceptable | EPA 625 |



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|---|---|---|---|---|---|---|---|
| ***Base/Neutrals*** | | | | | | | |
| 5500 | Acenaphthene | µg/L | 44.2 | 65.7 | 26.7 - 79.1 | Acceptable | EPA 625 |
| 5505 | Acenaphthylene | µg/L | 49.69 | 78.2 | 30.8 - 95.5 | Acceptable | EPA 625 |
| 5145 | 2-Amino-1-methylbenzene (o-toluidine) | µg/L | | 0.00 | | Not Reported | |
| 5545 | Aniline | µg/L | | 0.00 | | Not Reported | |
| 5555 | Anthracene | µg/L | 30.6 | 41.1 | 17.8 - 52.7 | Acceptable | EPA 625 |
| 5595 | Benzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 625 |
| 5575 | Benzo(a)anthracene | µg/L | 38.0 | 54.0 | 24.3 - 68.9 | Acceptable | EPA 625 |
| 5585 | Benzo(b)fluoranthene | µg/L | 36.9 | 55.8 | 20.4 - 75.7 | Acceptable | EPA 625 |
| 5600 | Benzo(k)fluoranthene | µg/L | 37.8 | 53.0 | 12.6 - 78.6 | Acceptable | EPA 625 |
| 5590 | Benzo(g,h,i)perylene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 625 |
| 5580 | Benzo(a)pyrene | µg/L | 29.9 | 42.8 | 13.0 - 56.0 | Acceptable | EPA 625 |
| 5630 | Benzyl alcohol | µg/L | | 0.00 | | Not Reported | |
| 5660 | 4-Bromophenyl-phenylether | µg/L | 17.2 | 27.0 | 10.3 - 38.2 | Acceptable | EPA 625 |
| 5670 | Butylbenzylphthalate | µg/L | 95.9 | 113 | 21.0 - 161 | Acceptable | EPA 625 |
| 5680 | Carbazole | µg/L | 86.8 | 124 | 71.4 - 179 | Acceptable | EPA 625 |
| 5745 | 4-Chloroaniline | µg/L | | 0.00 | | Not Reported | |
| 5760 | bis(2-Chloroethoxy)methane | µg/L | 90.1 | 145 | 57.4 - 171 | Acceptable | EPA 625 |
| 5765 | bis(2-Chloroethyl)ether | µg/L | 39.1 | 70.0 | 19.8 - 87.3 | Acceptable | EPA 625 |
| 5780 | bis(2-Chloroisopropyl)ether | µg/L | 66.4 | 138 | 33.4 - 167 | Acceptable | EPA 625 |
| 5790 | 1-Chloronaphthalene | µg/L | | 0.00 | | Not Reported | |
| 5795 | 2-Chloronaphthalene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 625 |
| 5825 | 4-Chlorophenyl-phenylether | µg/L | 35.7 | 57.3 | 21.8 - 72.9 | Acceptable | EPA 625 |
| 5855 | Chrysene | µg/L | 9.89 | 12.7 | 6.24 - 20.1 | Acceptable | EPA 625 |
| 5895 | Dibenz(a,h)anthracene | µg/L | < 4.00 | 0.00 | | Acceptable | EPA 625 |
| 5905 | Dibenzofuran | µg/L | | 37.5 | 14.3 - 50.0 | Not Reported | |
| 5925 | Di-n-butylphthalate | µg/L | 133.00 | 166 | 53.3 - 212 | Acceptable | EPA 625 |
| 4610 | 1,2-Dichlorobenzene | µg/L | 30.1 | 62.0 | 6.56 - 76.6 | Acceptable | EPA 625 |
| 4615 | 1,3-Dichlorobenzene | µg/L | 62.8 | 124 | 15.0 - 144 | Acceptable | EPA 625 |
| 4620 | 1,4-Dichlorobenzene | µg/L | 36.6 | 74.1 | 7.41 - 90.4 | Acceptable | EPA 625 |
| 5945 | 3,3'-Dichlorobenzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 625 |
| 6070 | Diethylphthalate | µg/L | 113.0 | 159 | 30.3 - 215 | Acceptable | EPA 625 |
| 6135 | Dimethylphthalate | µg/L | 98.2 | 150 | 15.0 - 216 | Acceptable | EPA 625 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Chlorinated Acid Herbicides*** | | | | | | | |
| 8505 | Acifluorfen | µg/L | | 0.00 | | Not Reported | |
| 8530 | Bentazon | µg/L | | 0.00 | | Not Reported | |
| 8540 | Chloramben | µg/L | | 0.00 | | Not Reported | |
| 8545 | 2,4-D | µg/L | 5.00 | 6.73 | 0.673 - 10.9 | Acceptable | EPA 615 |
| 8560 | 2,4-DB | µg/L | <2.00 | 0.00 | | Acceptable | EPA 615 |
| 8550 | Dacthal diacid (DCPA) | µg/L | | 0.00 | | Not Reported | |
| 8555 | Dalapon | µg/L | 4.59 | 7.05 | 0.705 - 11.8 | Acceptable | EPA 615 |
| 8595 | Dicamba | µg/L | 3.54 | 4.34 | 0.434 - 6.42 | Acceptable | EPA 615 |
| 8600 | 3,5-Dichlorobenzoic acid | µg/L | | 6.85 | 2.04 - 10.1 | Not Reported | |
| 8605 | Dichlorprop | µg/L | <2.00 | 0.00 | | Acceptable | EPA 615 |
| 8620 | Dinoseb | µg/L | 2.16 | 3.80 | 0.380 - 5.96 | Acceptable | EPA 615 |
| 7775 | MCPA | µg/L | <200 | 0.00 | | Acceptable | EPA 615 |
| 7780 | MCPP | µg/L | <200 | 32.6 | 3.26 - 133 | Not Acceptable | EPA 615 |
| 6500 | 4-Nitrophenol | µg/L | | 9.95 | 0.995 - 17.2 | Not Reported | |
| 6605 | Pentachlorophenol | µg/L | 6.17 | 6.68 | 0.668 - 10.8 | Acceptable | EPA 615 |
| 8645 | Picloram | µg/L | <2.0 | 0.00 | | Acceptable | EPA 615 |
| 8655 | 2,4,5-T | µg/L | 6.84 | 8.30 | 0.905 - 12.1 | Acceptable | EPA 615 |
| 8650 | 2,4,5-TP (Silvex) | µg/L | 3.51 | 4.32 | 0.511 - 6.41 | Acceptable | EPA 615 |
| ***Chlorinated Acid Herbicides*** | | | | | | | |
| 8505 | Acifluorfen | µg/L | | 0.00 | | Not Reported | |
| 8530 | Bentazon | µg/L | | 0.00 | | Not Reported | |
| 8540 | Chloramben | µg/L | | 0.00 | | Not Reported | |
| 8545 | 2,4-D | µg/L | 5.00 | 6.73 | 0.673 - 10.9 | Acceptable | EPA 8151 |
| 8560 | 2,4-DB | µg/L | <2.00 | 0.00 | | Acceptable | EPA 8151 |
| 8550 | Dacthal diacid (DCPA) | µg/L | | 0.00 | | Not Reported | |
| 8555 | Dalapon | µg/L | 4.59 | 7.05 | 0.705 - 11.8 | Acceptable | EPA 8151 |
| 8595 | Dicamba | µg/L | 3.54 | 4.34 | 0.434 - 6.42 | Acceptable | EPA 8151 |
| 8600 | 3,5-Dichlorobenzoic acid | µg/L | | 6.85 | 2.04 - 10.1 | Not Reported | |
| 8605 | Dichlorprop | µg/L | <2.00 | 0.00 | | Acceptable | EPA 8151 |
| 8620 | Dinoseb | µg/L | 2.16 | 3.80 | 0.380 - 5.96 | Acceptable | EPA 8151 |
| 7775 | MCPA | µg/L | <200 | 0.00 | | Acceptable | EPA 8151 |
| 7780 | MCPP | µg/L | <200 | 32.6 | 3.26 - 133 | Not Acceptable | EPA 8151 |
| 6500 | 4-Nitrophenol | µg/L | | 9.95 | 0.995 - 17.2 | Not Reported | |
| 6605 | Pentachlorophenol | µg/L | 6.17 | 6.68 | 0.668 - 10.8 | Acceptable | EPA 8151 |
| 8645 | Picloram | µg/L | <2.0 | 0.00 | | Acceptable | EPA 8151 |
| 8655 | 2,4,5-T | µg/L | 6.84 | 8.30 | 0.905 - 12.1 | Acceptable | EPA 8151 |
| 8650 | 2,4,5-TP (Silvex) | µg/L | 3.51 | 4.32 | 0.511 - 6.41 | Acceptable | EPA 8151 |



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**EPA ID:** FL00449
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**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Organochlorine Pesticides*** | | | | | | | |
| 0047 | Aldrin | µg/L | | 13.1 | 3.66 - 18.0 | Not Reported | |
| 7110 | alpha-BHC | µg/L | | 14.2 | 6.51 - 19.1 | Not Reported | |
| 7115 | beta-BHC | µg/L | | 11.9 | 4.98 - 16.0 | Not Reported | |
| 7105 | delta-BHC | µg/L | | 8.02 | 2.99 - 11.2 | Not Reported | |
| 7120 | gamma-BHC(Lindane) | µg/L | | 10.4 | 4.29 - 14.2 | Not Reported | |
| 7240 | alpha-Chlordane | µg/L | | 8.30 | 3.73 - 11.1 | Not Reported | |
| 7245 | gamma-Chlordane | µg/L | | 7.67 | 3.13 - 10.4 | Not Reported | |
| 0049 | 4,4'-DDD | µg/L | | 7.47 | 2.74 - 10.6 | Not Reported | |
| 0050 | 4,4'-DDE | µg/L | | 6.26 | 2.78 - 8.12 | Not Reported | |
| 0051 | 4,4'-DDT | µg/L | | 1.88 | 0.709 - 2.81 | Not Reported | |
| 0048 | Dieldrin | µg/L | | 2.20 | 1.03 - 3.06 | Not Reported | |
| 7540 | Endrin | µg/L | | 2.43 | 0.997 - 3.77 | Not Reported | |
| 7530 | Endrin aldehyde | µg/L | | 7.03 | 1.95 - 10.8 | Not Reported | |
| 7535 | Endrin ketone | µg/L | | 5.64 | 3.10 - 8.18 | Not Reported | |
| 7510 | Endosulfan I | µg/L | | 7.76 | 2.14 - 11.1 | Not Reported | |
| 7515 | Endosulfan II | µg/L | | 6.59 | 2.20 - 8.96 | Not Reported | |
| 7520 | Endosulfan sulfate | µg/L | | 9.42 | 3.55 - 13.7 | Not Reported | |
| 0052 | Heptachlor | µg/L | | 8.04 | 2.60 - 11.0 | Not Reported | |
| 0078 | Heptachlor epoxide (beta) | µg/L | | 9.25 | 4.63 - 12.9 | Not Reported | |
| 7810 | Methoxychlor | µg/L | < 0.50 | 7.57 | 1.98 - 12.0 | Not Acceptable | EPA 608.2 |
| ***Chlordane*** | | | | | | | |
| 0053 | Chlordane, technical | µg/L | 22.0 | 23.0 | 8.63 - 33.2 | Acceptable | EPA 608 |
| ***Toxaphene*** | | | | | | | |
| 8250 | Toxaphene | µg/L | 28.4 | 27.1 | 2.71 - 49.1 | Acceptable | EPA 608 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***PCBs in Oil*** | | | | | | | |
| 0099 | Aroclor 1016/1242 | mg/kg | < 1.0 | 0.00 | | Acceptable | EPA 8082 |
| 0100 | Aroclor 1254 | mg/kg | < 1.0 | 0.00 | | Acceptable | EPA 8082 |
| 0101 | Aroclor 1260 | mg/kg | 12.6 | 13.7 | 2.68 - 19.9 | Acceptable | EPA 8082 |
| ***Organochlorine Pesticides*** | | | | | | | |
| 0047 | Aldrin | µg/L | 11.3 | 13.1 | 3.66 - 18.0 | Acceptable | EPA 608 |
| 7110 | alpha-BHC | µg/L | 17.1 | 14.2 | 6.51 - 19.1 | Acceptable | EPA 608 |
| 7115 | beta-BHC | µg/L | 12.1 | 11.9 | 4.98 - 16.0 | Acceptable | EPA 608 |
| 7105 | delta-BHC | µg/L | 9.28 | 8.02 | 2.99 - 11.2 | Acceptable | EPA 608 |
| 7120 | gamma-BHC(Lindane) | µg/L | 11.2 | 10.4 | 4.29 - 14.2 | Acceptable | EPA 608 |
| 7240 | alpha-Chlordane | µg/L | 7.79 | 8.30 | 3.73 - 11.1 | Acceptable | EPA 608 |
| 7245 | gamma-Chlordane | µg/L | 7.80 | 7.67 | 3.13 - 10.4 | Acceptable | EPA 608 |
| 0049 | 4,4'-DDD | µg/L | 7.94 | 7.47 | 2.74 - 10.6 | Acceptable | EPA 608 |
| 0050 | 4,4'-DDE | µg/L | 6.26 | 6.26 | 2.78 - 8.12 | Acceptable | EPA 608 |
| 0051 | 4,4'-DDT | µg/L | 2.12 | 1.88 | 0.709 - 2.81 | Acceptable | EPA 608 |
| 0048 | Dieldrin | µg/L | 2.42 | 2.20 | 1.03 - 3.06 | Acceptable | EPA 608 |
| 7540 | Endrin | µg/L | 2.53 | 2.43 | 0.997 - 3.77 | Acceptable | EPA 608 |
| 7530 | Endrin aldehyde | µg/L | 5.55 | 7.03 | 1.95 - 10.8 | Acceptable | EPA 608 |
| 7535 | Endrin ketone | µg/L | 5.73 | 5.64 | 3.10 - 8.18 | Acceptable | EPA 608 |
| 7510 | Endosulfan I | µg/L | 7.20 | 7.76 | 2.14 - 11.1 | Acceptable | EPA 608 |
| 7515 | Endosulfan II | µg/L | 7.55 | 6.59 | 2.20 - 8.96 | Acceptable | EPA 608 |
| 7520 | Endosulfan sulfate | µg/L | 10.0 | 9.42 | 3.55 - 13.7 | Acceptable | EPA 608 |
| 0052 | Heptachlor | µg/L | 7.64 | 8.04 | 2.60 - 11.0 | Acceptable | EPA 608 |
| 0078 | Heptachlor epoxide (beta) | µg/L | 8.18 | 9.25 | 4.63 - 12.9 | Acceptable | EPA 608 |
| 7810 | Methoxychlor | µg/L | | 7.57 | 1.98 - 12.0 | Not Reported | |



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|---|---|---|---|---|---|---|---|
| ***Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 0066 | Ethylbenzene | µg/L | 36.2 | 64.7 | 44.6 - 82.1 | Not Acceptable | EPA 624 |
| 4835 | Hexachlorobutadiene | µg/L | 37.6 | 139 | 16.9 - 163 | Acceptable | EPA 624 |
| 4860 | 2-Hexanone | µg/L | 96.0 | 124 | 63.6 - 182 | Acceptable | EPA 624 |
| 0063 | Methylene chloride | µg/L | 82.6 | 77.7 | 47.6 - 108 | Acceptable | EPA 624 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 624 |
| 5005 | Naphthalene | µg/L | 21.6 | 42.5 | 13.4 - 53.7 | Acceptable | EPA 624 |
| 5100 | Styrene | µg/L | 31.4 | 50.4 | 32.5 - 68.7 | Not Acceptable | EPA 624 |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 23.9 | 34.6 | 21.8 - 47.1 | Acceptable | EPA 624 |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 30.30 | 44.3 | 24.9 - 66.3 | Acceptable | EPA 624 |
| 0059 | Tetrachloroethylene | µg/L | 32.5 | 65.5 | 36.8 - 85.6 | Not Acceptable | EPA 624 |
| 0067 | Toluene | µg/L | 39.4 | 61.5 | 42.7 - 77.0 | Not Acceptable | EPA 624 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 40.0 | 76.9 | 16.2 - 93.3 | Acceptable | EPA 624 |
| 0056 | 1,1,1-Trichloroethane | µg/L | 58.0 | 77.4 | 48.2 - 102 | Acceptable | EPA 624 |
| 5165 | 1,1,2-Trichloroethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 0057 | Trichloroethylene | µg/L | 40.8 | 54.6 | 34.7 - 71.4 | Acceptable | EPA 624 |
| 5175 | Trichlorofluoromethane | µg/L | 41.6 | 51.2 | 20.5 - 81.9 | Acceptable | EPA 624 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 27.2 | 55.8 | 23.8 - 87.0 | Acceptable | EPA 624 |
| 5225 | Vinyl acetate | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 5235 | Vinyl chloride | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 5260 | Xylenes, total | µg/L | 106.2 | 186 | 107 - 249 | Not Acceptable | EPA 624 |
| ***PCBs in Water*** | | | | | | | |
| 0040 | Aroclor 1016 | µg/L | 4.79 | 6.45 | 1.97 - 8.95 | Acceptable | EPA 608 |
| 8885 | Aroclor 1221 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| 0042 | Aroclor 1232 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| 0040 | Aroclor 1242 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| 0044 | Aroclor 1248 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| 0045 | Aroclor 1254 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| 0046 | Aroclor 1260 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 608 |
| ***PCBs in Water*** | | | | | | | |
| 0040 | Aroclor 1016 | µg/L | 4.79 | 6.45 | 1.97 - 8.95 | Acceptable | EPA 8082 |
| 8885 | Aroclor 1221 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |
| 0042 | Aroclor 1232 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |
| 0040 | Aroclor 1242 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |
| 0044 | Aroclor 1248 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |
| 0045 | Aroclor 1254 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |
| 0046 | Aroclor 1260 | µg/L | < 0.5 | 0.00 | | Acceptable | EPA 8082 |



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|---|---|---|---|---|---|---|---|
| ***Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | 93.7 | 120 | 23.7 - 195 | Acceptable | EPA 624 |
| 4320 | Acetonitrile | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 4325 | Acrolein | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 4340 | Acrylonitrile | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 0065 | Benzene | µg/L | 74.1 | 91.1 | 66.6 - 115 | Acceptable | EPA 624 |
| 0060 | Bromodichloromethane | µg/L | 72.00 | 88.5 | 62.9 - 120 | Acceptable | EPA 624 |
| 0062 | Bromoform | µg/L | 47.5 | 84.4 | 54.9 - 117 | Not Acceptable | EPA 624 |
| 4950 | Bromomethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4410 | 2-Butanone (MEK) | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 49.9 | 50.9 | 31.9 - 72.0 | Acceptable | EPA 624 |
| 4450 | Carbon disulfide | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 0058 | Carbon tetrachloride | µg/L | 46.3 | 63.7 | 34.8 - 86.8 | Acceptable | EPA 624 |
| 0064 | Chlorobenzene | µg/L | 41.8 | 61.4 | 44.3 - 77.0 | Not Acceptable | EPA 624 |
| 0061 | Chlorodibromomethane | µg/L | 22.5 | 29.8 | 20.2 - 39.5 | Acceptable | EPA 624 |
| 4485 | Chloroethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4500 | 2-Chloroethylvinylether | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 0055 | Chloroform | µg/L | 65.9 | 78.8 | 54.6 - 101 | Acceptable | EPA 624 |
| 4960 | Chloromethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4595 | Dibromomethane | µg/L | 17.9 | 22.3 | 14.9 - 30.5 | Acceptable | EPA 624 |
| 0094 | 1,2-Dichlorobenzene | µg/L | 8.75 | 14.1 | 9.20 - 18.8 | Not Acceptable | EPA 624 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 9.58 | 15.7 | 9.88 - 20.6 | Not Acceptable | EPA 624 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 20.4 | 37.4 | 25.0 - 47.6 | Not Acceptable | EPA 624 |
| 4625 | Dichlorodifluoromethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4630 | 1,1-Dichloroethane | µg/L | 56.4 | 59.1 | 40.5 - 81.0 | Acceptable | EPA 624 |
| 0054 | 1,2-Dichloroethane | µg/L | 80.1 | 101 | 70.2 - 132 | Acceptable | EPA 624 |
| 4640 | 1,1-Dichloroethylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 19.1 | 22.0 | 14.9 - 29.5 | Acceptable | EPA 624 |
| 4700 | trans-1,2-Dichloroethylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 4655 | 1,2-Dichloropropane | µg/L | 32.9 | 40.1 | 26.0 - 53.3 | Acceptable | EPA 624 |
| 4680 | cis-1,3-Dichloropropylene | µg/L | 22.9 | 33.0 | 23.1 - 42.9 | Not Acceptable | EPA 624 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

# WP-147 Final Complete Report

**Meegan Dougherty**
**Quality Assurance Officer**
**US Biosystems Inc**
**3231 NW 7th Avenue**
**Boca Raton, FL 33431**
**561-447-7373**

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 0066 | Ethylbenzene | µg/L | 36.2 | 64.7 | 44.6 - 82.1 | Not Acceptable | EPA 8260 |
| 4835 | Hexachlorobutadiene | µg/L | 37.6 | 139 | 16.9 - 163 | Acceptable | EPA 8260 |
| 4860 | 2-Hexanone | µg/L | 96.0 | 124 | 63.6 - 182 | Acceptable | EPA 8260 |
| 0063 | Methylene chloride | µg/L | 82.6 | 77.7 | 47.6 - 108 | Acceptable | EPA 8260 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8260 |
| 5005 | Naphthalene | µg/L | 21.6 | 42.5 | 13.4 - 53.7 | Acceptable | EPA 8260 |
| 5100 | Styrene | µg/L | 31.4 | 50.4 | 32.5 - 68.7 | Not Acceptable | EPA 8260 |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 23.9 | 34.6 | 21.8 - 47.1 | Acceptable | EPA 8260 |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 30.3 | 44.3 | 24.9 - 66.3 | Acceptable | EPA 8260 |
| 0059 | Tetrachloroethylene | µg/L | 32.5 | 65.5 | 36.8 - 85.6 | Not Acceptable | EPA 8260 |
| 0067 | Toluene | µg/L | 39.4 | 61.5 | 42.7 - 77.0 | Not Acceptable | EPA 8260 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 40.0 | 76.9 | 16.2 - 93.3 | Acceptable | EPA 8260 |
| 0056 | 1,1,1-Trichloroethane | µg/L | 58.0 | 77.4 | 48.2 - 102 | Acceptable | EPA 8260 |
| 5165 | 1,1,2-Trichloroethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 0057 | Trichloroethylene | µg/L | 40.8 | 54.6 | 34.7 - 71.4 | Acceptable | EPA 8260 |
| 5175 | Trichlorofluoromethane | µg/L | 41.6 | 51.2 | 20.5 - 81.9 | Acceptable | EPA 8260 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 27.2 | 55.8 | 23.8 - 87.0 | Acceptable | EPA 8260 |
| 5225 | Vinyl acetate | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 5235 | Vinyl chloride | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 5260 | Xylenes, total | µg/L | 106.2 | 186 | 107 - 249 | Not Acceptable | EPA 8260 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-147 Final Complete Report

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**Quality Assurance Officer**
**US Biosystems Inc**
**3231 NW 7th Avenue**
**Boca Raton, FL 33431**
**561-447-7373**

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | 93.7 | 120 | 23.7 - 195 | Acceptable | EPA 8260 |
| 4320 | Acetonitrile | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 4325 | Acrolein | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 4340 | Acrylonitrile | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 0065 | Benzene | µg/L | 74.1 | 91.1 | 66.6 - 115 | Acceptable | EPA 8260 |
| 0060 | Bromodichloromethane | µg/L | 72.0 | 88.5 | 62.9 - 120 | Acceptable | EPA 8260 |
| 0062 | Bromoform | µg/L | 47.5 | 84.4 | 54.9 - 117 | Not Acceptable | EPA 8260 |
| 4950 | Bromomethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4410 | 2-Butanone (MEK) | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 49.9 | 50.9 | 31.9 - 72.0 | Acceptable | EPA 8260 |
| 4450 | Carbon disulfide | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 0058 | Carbon tetrachloride | µg/L | 46.3 | 63.7 | 34.8 - 86.8 | Acceptable | EPA 8260 |
| 0064 | Chlorobenzene | µg/L | 41.8 | 61.4 | 44.3 - 77.0 | Not Acceptable | EPA 8260 |
| 0061 | Chlorodibromomethane | µg/L | 22.5 | 29.8 | 20.2 - 39.5 | Acceptable | EPA 8260 |
| 4485 | Chloroethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4500 | 2-Chloroethylvinylether | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 0055 | Chloroform | µg/L | 65.9 | 78.8 | 54.6 - 101 | Acceptable | EPA 8260 |
| 4960 | Chloromethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4595 | Dibromomethane | µg/L | 17.9 | 22.3 | 14.9 - 30.5 | Acceptable | EPA 8260 |
| 0094 | 1,2-Dichlorobenzene | µg/L | 8.75 | 14.1 | 9.20 - 18.8 | Not Acceptable | EPA 8260 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 9.58 | 15.7 | 9.88 - 20.6 | Not Acceptable | EPA 8260 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 20.4 | 37.4 | 25.0 - 47.6 | Not Acceptable | EPA 8260 |
| 4625 | Dichlorodifluoromethane | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4630 | 1,1-Dichloroethane | µg/L | 56.4 | 59.1 | 40.5 - 81.0 | Acceptable | EPA 8260 |
| 0054 | 1,2-Dichloroethane | µg/L | 80.1 | 101 | 70.2 - 132 | Acceptable | EPA 8260 |
| 4640 | 1,1-Dichloroethylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 19.1 | 22.0 | 14.9 - 29.5 | Acceptable | EPA 8260 |
| 4700 | trans-1,2-Dichloroethylene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 4655 | 1,2-Dichloropropane | µg/L | 32.9 | 40.1 | 26.0 - 53.3 | Acceptable | EPA 8260 |
| 4680 | cis-1,3-Dichloropropylene | µg/L | 22.9 | 33.0 | 23.1 - 42.9 | Not Acceptable | EPA 8260 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | | 0.00 | | Not Reported | |
| 0066 | Ethylbenzene | µg/L | 57.2 | 64.7 | 44.6 - 82.1 | Acceptable | EPA 602 |
| 4835 | Hexachlorobutadiene | µg/L | | 139 | 16.9 - 163 | Not Reported | |
| 4860 | 2-Hexanone | µg/L | | 124 | 63.6 - 182 | Not Reported | |
| 0063 | Methylene chloride | µg/L | | 77.7 | 47.6 - 108 | Not Reported | |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | | 0.00 | | Not Reported | |
| 5005 | Naphthalene | µg/L | | 42.5 | 13.4 - 53.7 | Not Reported | |
| 5100 | Styrene | µg/L | | 50.4 | 32.5 - 68.7 | Not Reported | |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | | 34.6 | 21.8 - 47.1 | Not Reported | |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | | 44.3 | 24.9 - 66.3 | Not Reported | |
| 0059 | Tetrachloroethylene | µg/L | | 65.5 | 36.8 - 85.6 | Not Reported | |
| 0067 | Toluene | µg/L | 55.9 | 61.5 | 42.7 - 77.0 | Acceptable | EPA 602 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | | 76.9 | 16.2 - 93.3 | Not Reported | |
| 0056 | 1,1,1-Trichloroethane | µg/L | | 77.4 | 48.2 - 102 | Not Reported | |
| 5165 | 1,1,2-Trichloroethane | µg/L | | 0.00 | | Not Reported | |
| 0057 | Trichloroethylene | µg/L | | 54.6 | 34.7 - 71.4 | Not Reported | |
| 5175 | Trichlorofluoromethane | µg/L | | 51.2 | 20.5 - 81.9 | Not Reported | |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | | 55.8 | 23.8 - 87.0 | Not Reported | |
| 5225 | Vinyl acetate | µg/L | | 0.00 | | Not Reported | |
| 5235 | Vinyl chloride | µg/L | | 0.00 | | Not Reported | |
| 5260 | Xylenes, total | µg/L | 183 | 186 | 107 - 249 | Acceptable | EPA 602 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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Quality Assurance Officer
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**EPA ID:** FL00449
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**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | | 120 | 23.7 - 195 | 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 | 82.0 | 91.1 | 66.6 - 115 | Acceptable | EPA 602 |
| 0060 | Bromodichloromethane | µg/L | | 88.5 | 62.9 - 120 | Not Reported | |
| 0062 | Bromoform | µg/L | | 84.4 | 54.9 - 117 | Not Reported | |
| 4950 | Bromomethane | µg/L | | 0.00 | | Not Reported | |
| 4410 | 2-Butanone (MEK) | µg/L | | 0.00 | | Not Reported | |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | | 50.9 | 31.9 - 72.0 | Not Reported | |
| 4450 | Carbon disulfide | µg/L | | 0.00 | | Not Reported | |
| 0058 | Carbon tetrachloride | µg/L | | 63.7 | 34.8 - 86.8 | Not Reported | |
| 0064 | Chlorobenzene | µg/L | 59.3 | 61.4 | 44.3 - 77.0 | Acceptable | EPA 602 |
| 0061 | Chlorodibromomethane | µg/L | | 29.8 | 20.2 - 39.5 | Not Reported | |
| 4485 | Chloroethane | µg/L | | 0.00 | | Not Reported | |
| 4500 | 2-Chloroethylvinylether | µg/L | | 0.00 | | Not Reported | |
| 0055 | Chloroform | µg/L | | 78.8 | 54.6 - 101 | Not Reported | |
| 4960 | Chloromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 22.3 | 14.9 - 30.5 | Not Reported | |
| 0094 | 1,2-Dichlorobenzene | µg/L | 13.3 | 14.1 | 9.20 - 18.8 | Acceptable | EPA 602 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 16.3 | 15.7 | 9.88 - 20.6 | Acceptable | EPA 602 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 33.8 | 37.4 | 25.0 - 47.6 | Acceptable | EPA 602 |
| 4625 | Dichlorodifluoromethane | µg/L | | 0.00 | | Not Reported | |
| 4630 | 1,1-Dichloroethane | µg/L | | 59.1 | 40.5 - 81.0 | Not Reported | |
| 0054 | 1,2-Dichloroethane | µg/L | | 101 | 70.2 - 132 | Not Reported | |
| 4640 | 1,1-Dichloroethylene | µg/L | | 0.00 | | Not Reported | |
| 4645 | cis-1,2-Dichloroethylene | µg/L | | 22.0 | 14.9 - 29.5 | Not Reported | |
| 4700 | trans-1,2-Dichloroethylene | µg/L | | 0.00 | | Not Reported | |
| 4655 | 1,2-Dichloropropane | µg/L | | 40.1 | 26.0 - 53.3 | Not Reported | |
| 4680 | cis-1,3-Dichloropropylene | µg/L | | 33.0 | 23.1 - 42.9 | Not Reported | |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | 57.5 | 0.00 | | Not Acceptable | EPA 8021 |
| 0066 | Ethylbenzene | µg/L | | 64.7 | 44.6 - 82.1 | Not Reported | |
| 4835 | Hexachlorobutadiene | µg/L | | 139 | 16.9 - 163 | Not Reported | |
| 4860 | 2-Hexanone | µg/L | | 124 | 63.6 - 182 | Not Reported | |
| 0063 | Methylene chloride | µg/L | | 77.7 | 47.6 - 108 | Not Reported | |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | | 0.00 | | Not Reported | |
| 5005 | Naphthalene | µg/L | | 42.5 | 13.4 - 53.7 | Not Reported | |
| 5100 | Styrene | µg/L | | 50.4 | 32.5 - 68.7 | Not Reported | |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | | 34.6 | 21.8 - 47.1 | Not Reported | |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | | 44.3 | 24.9 - 66.3 | Not Reported | |
| 0059 | Tetrachloroethylene | µg/L | | 65.5 | 36.8 - 85.6 | Not Reported | |
| 0067 | Toluene | µg/L | 54.6 | 61.5 | 42.7 - 77.0 | Acceptable | EPA 8021 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | | 76.9 | 16.2 - 93.3 | Not Reported | |
| 0056 | 1,1,1-Trichloroethane | µg/L | | 77.4 | 48.2 - 102 | Not Reported | |
| 5165 | 1,1,2-Trichloroethane | µg/L | | 0.00 | | Not Reported | |
| 0057 | Trichloroethylene | µg/L | | 54.6 | 34.7 - 71.4 | Not Reported | |
| 5175 | Trichlorofluoromethane | µg/L | | 51.2 | 20.5 - 81.9 | Not Reported | |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | | 55.8 | 23.8 - 87.0 | Not Reported | |
| 5225 | Vinyl acetate | µg/L | | 0.00 | | Not Reported | |
| 5235 | Vinyl chloride | µg/L | | 0.00 | | Not Reported | |
| 5260 | Xylenes, total | µg/L | 182 | 186 | 107 - 249 | Acceptable | EPA 8021 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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US Biosystems Inc
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**EPA ID:** FL00449
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**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | | 120 | 23.7 - 195 | 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 | 80.3 | 91.1 | 66.6 - 115 | Acceptable | EPA 8021 |
| 0060 | Bromodichloromethane | µg/L | | 88.5 | 62.9 - 120 | Not Reported | |
| 0062 | Bromoform | µg/L | | 84.4 | 54.9 - 117 | Not Reported | |
| 4950 | Bromomethane | µg/L | | 0.00 | | Not Reported | |
| 4410 | 2-Butanone (MEK) | µg/L | | 0.00 | | Not Reported | |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | | 50.9 | 31.9 - 72.0 | Not Reported | |
| 4450 | Carbon disulfide | µg/L | | 0.00 | | Not Reported | |
| 0058 | Carbon tetrachloride | µg/L | | 63.7 | 34.8 - 86.8 | Not Reported | |
| 0064 | Chlorobenzene | µg/L | 59.2 | 61.4 | 44.3 - 77.0 | Acceptable | EPA 8021 |
| 0061 | Chlorodibromomethane | µg/L | | 29.8 | 20.2 - 39.5 | Not Reported | |
| 4485 | Chloroethane | µg/L | | 0.00 | | Not Reported | |
| 4500 | 2-Chloroethylvinylether | µg/L | | 0.00 | | Not Reported | |
| 0055 | Chloroform | µg/L | | 78.8 | 54.6 - 101 | Not Reported | |
| 4960 | Chloromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 22.3 | 14.9 - 30.5 | Not Reported | |
| 0094 | 1,2-Dichlorobenzene | µg/L | 14.0 | 14.1 | 9.20 - 18.8 | Acceptable | EPA 8021 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 17.0 | 15.7 | 9.88 - 20.6 | Acceptable | EPA 8021 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 34.1 | 37.4 | 25.0 - 47.6 | Acceptable | EPA 8021 |
| 4625 | Dichlorodifluoromethane | µg/L | | 0.00 | | Not Reported | |
| 4630 | 1,1-Dichloroethane | µg/L | | 59.1 | 40.5 - 81.0 | Not Reported | |
| 0054 | 1,2-Dichloroethane | µg/L | | 101 | 70.2 - 132 | Not Reported | |
| 4640 | 1,1-Dichloroethylene | µg/L | | 0.00 | | Not Reported | |
| 4645 | cis-1,2-Dichloroethylene | µg/L | | 22.0 | 14.9 - 29.5 | Not Reported | |
| 4700 | trans-1,2-Dichloroethylene | µg/L | | 0.00 | | Not Reported | |
| 4655 | 1,2-Dichloropropane | µg/L | | 40.1 | 26.0 - 53.3 | Not Reported | |
| 4680 | cis-1,3-Dichloropropylene | µg/L | | 33.0 | 23.1 - 42.9 | Not Reported | |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL
RESOURCE ASSOCIATES®
The Industry Standard™

Study: **WP-147**

ERA Laboratory Code: **V558901**

Laboratory Name: **US Biosystems Inc**

# Organic Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-147 Final Complete Report

**Meegan Dougherty**
**Quality Assurance Officer**
**US Biosystems Inc**
**3231 NW 7th Avenue**
**Boca Raton, FL 33431**
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**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Coliform MicrobE™*** | | | | | | | |
| 2500 | Total Coliforms (MF) | CFU/100mL | 50 | 63.0 | 12.0 - 342 | Acceptable | MF9222B |
| 2530 | Fecal Coliforms - E.coli (MF) | CFU/100mL | 34 | 46.0 | 8.00 - 254 | Acceptable | MF9222D |
| 2500 | Total Coliforms (MPN) | MPN/100mL | 63 | 70.8 | 7.62 - 659 | Acceptable | ~~MPN9221E~~ 9221B |
| 2530 | Fecal Coliforms - E.coli (MPN) | MPN/100mL | 33 | 68.6 | 8.42 - 560 | Acceptable | MPN9221E |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL
RESOURCE ASSOCIATES®
The Industry Standard™

Study: **WP-147**

ERA Laboratory Code: **V558901**

Laboratory Name: **US Biosystems Inc**

# Microbiology Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-147 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
US Biosystems Inc
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Silica*** | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 121 | 144 | 108 - 180 | Acceptable | EPA 200.7 |
| ***Silica*** | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 121 | 144 | 108 - 180 | Acceptable | EPA 6010B |
| ***Color*** | | | | | | | |
| 1605 | Color | PC units | 25.0 | 30.0 | 20.0 - 40.0 | Acceptable | EPA 110.2 |
| ***Color*** | | | | | | | |
| 1605 | Color | PC units | 25.0 | 30.0 | 20.0 - 40.0 | Acceptable | SM 2120 B |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Hexavalent Chromium*** | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 99.4 | 527 | 429 - 620 | Not Acceptable | EPA 7196A |
| ***Nitrite*** | | | | | | | |
| 1840 | Nitrite as N | mg/L | 2.64 | 2.48 | 2.09 - 2.86 | Acceptable | EPA 300.0 |
| ***Nitrite*** | | | | | | | |
| 1840 | Nitrite as N | mg/L | 2.45 | 2.48 | 2.09 - 2.86 | Acceptable | EPA 354.1 |
| ***Turbidity*** | | | | | | | |
| 2055 | Turbidity | NTU | 11.5 | 12.6 | 10.7 - 14.1 | Acceptable | EPA 180.1 |
| ***Turbidity*** | | | | | | | |
| 2055 | Turbidity | NTU | 11.5 | 12.6 | 10.7 - 14.1 | Acceptable | SM 2130 B |
| ***Settleable Solids*** | | | | | | | |
| 1965 | Settleable Solids | mL/L | 41.0 | 30.0 | 23.7 - 38.5 | Not Acceptable | SM 2540 F |
| ***Settleable Solids*** | | | | | | | |
| 1965 | Settleable Solids | mL/L | 41.0 | 30.0 | 23.7 - 38.5 | Not Acceptable | EPA 160.5 |
| ***Tin & Titanium*** | | | | | | | |
| 1175 | Tin | µg/L | 4140 | 4160 | 3280 - 5070 | Acceptable | EPA 200.7 |
| 0076 | Titanium | µg/L | 201 | 201 | 172 - 227 | Acceptable | EPA 200.7 |
| ***Tin & Titanium*** | | | | | | | |
| 1175 | Tin | µg/L | 4140 | 4160 | 3280 - 5070 | Acceptable | EPA 6010 |
| 0076 | Titanium | µg/L | 201 | 201 | 172 - 227 | Acceptable | EPA 6010 |
| ***Sulfide*** | | | | | | | |
| 2005 | Sulfide | mg/L | 6.0 | 4.89 | 1.98 - 7.21 | Acceptable | EPA 376.1 |
| ***Volatile Solids*** | | | | | | | |
| 1970 | Volatile Solids | mg/L | 298 | 212 | 162 - 247 | Not Acceptable | EPA 160.4 |
| ***Volatile Solids*** | | | | | | | |
| 1970 | Volatile Solids | mg/L | 298.0 | 212 | 162 - 247 | Not Acceptable | SM 2540 E |
| ***Boron*** | | | | | | | |
| 1025 | Boron | mg/L | 1.32 | 1.33 | 1.09 - 1.54 | Acceptable | EPA 200.7 |
| ***Boron*** | | | | | | | |
| 1025 | Boron | mg/L | 1.32 | 1.33 | 1.09 - 1.54 | Acceptable | EPA 6010 |
| ***Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants (MBAS) | mg/L | 0.52 | 0.690 | 0.424 - 1.00 | Acceptable | EPA 425.1 |
| ***Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants (MBAS) | mg/L | 0.52 | 0.690 | 0.424 - 1.00 | Acceptable | SM 5540 C |
| ***Bromide*** | | | | | | | |
| 1540 | Bromide | mg/L | 6.8 | 6.87 | 5.84 - 7.90 | Acceptable | EPA 300.0 |
| ***Bromide*** | | | | | | | |
| 1540 | Bromide | mg/L | 6.8 | 6.87 | 5.84 - 7.90 | Acceptable | EPA 9056 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 96.2 | 85.2 - 106 | Not Reported | |
| 0028 | Chloride | mg/L | 64.8 | 66.7 | 56.9 - 76.8 | Acceptable | EPA 9251 |
| 0020 | Conductivity at 25°C | µmhos/cm | | 462 | 415 - 510 | Not Reported | |
| 0029 | Fluoride | mg/L | | 2.30 | 1.89 - 2.72 | Not Reported | |
| 0026 | Potassium | mg/L | | 24.9 | 20.5 - 29.7 | Not Reported | |
| 0025 | Sodium | mg/L | | 86.2 | 73.2 - 98.8 | Not Reported | |
| 0030 | Sulfate | mg/L | | 24.8 | 19.6 - 29.4 | Not Reported | |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 357 | 271 - 444 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | 378 | 382 | 338 - 420 | Acceptable | SM 2540 B |
| ***Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 96.2 | 85.2 - 106 | Not Reported | |
| 0028 | Chloride | mg/L | 64.8 | 66.7 | 56.9 - 76.8 | Acceptable | EPA 9056 |
| 0020 | Conductivity at 25°C | µmhos/cm | | 462 | 415 - 510 | Not Reported | |
| 0029 | Fluoride | mg/L | | 2.30 | 1.89 - 2.72 | Not Reported | |
| 0026 | Potassium | mg/L | 262 | 24.9 | 20.5 - 29.7 | Not Acceptable | EPA 200.7 |
| 0025 | Sodium | mg/L | 83.8 | 86.2 | 73.2 - 98.8 | Acceptable | EPA 200.7 |
| 0030 | Sulfate | mg/L | | 24.8 | 19.6 - 29.4 | Not Reported | |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 357 | 271 - 444 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | | 382 | 338 - 420 | Not Reported | |
| ***Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | 97.5 | 96.2 | 85.2 - 106 | Acceptable | EPA 310.1 |
| 0028 | Chloride | mg/L | 65.9 | 66.7 | 56.9 - 76.8 | Acceptable | EPA 325.2 |
| 0020 | Conductivity at 25°C | µmhos/cm | 450.0 | 462 | 415 - 510 | Acceptable | EPA 120.1 |
| 0029 | Fluoride | mg/L | 2.3 | 2.30 | 1.89 - 2.72 | Acceptable | EPA 300.0 |
| 0026 | Potassium | mg/L | | 24.9 | 20.5 - 29.7 | Not Reported | |
| 0025 | Sodium | mg/L | | 86.2 | 73.2 - 98.8 | Not Reported | |
| 0030 | Sulfate | mg/L | 24.2 | 24.8 | 19.6 - 29.4 | Acceptable | EPA 300.0 |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 357 | 271 - 444 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | | 382 | 338 - 420 | Not Reported | |
| ***Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 96.2 | 85.2 - 106 | Not Reported | |
| 0028 | Chloride | mg/L | | 66.7 | 56.9 - 76.8 | Not Reported | |
| 0020 | Conductivity at 25°C | µmhos/cm | | 462 | 415 - 510 | Not Reported | |
| 0029 | Fluoride | mg/L | 2.3 | 2.30 | 1.89 - 2.72 | Acceptable | EPA 9056 |
| 0026 | Potassium | mg/L | | 24.9 | 20.5 - 29.7 | Not Reported | |
| 0025 | Sodium | mg/L | | 86.2 | 73.2 - 98.8 | Not Reported | |
| 0030 | Sulfate | mg/L | 24.2 | 24.8 | 19.6 - 29.4 | Acceptable | EPA 9056 |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 357 | 271 - 444 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | | 382 | 338 - 420 | Not Reported | |



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Boca Raton, FL 33431
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**EPA ID:** FL00449
**ERA Laboratory Code:** V558901
**Report Issued:** 06/21/07
**Study Dates:** 04/16/07 - 05/31/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***Trace Metals*** | | | | | | | |
| 0001 | Aluminum | µg/L | | 454 | 348 - 561 | Not Reported | |
| 0016 | Antimony | µg/L | 889 | 295 | 201 - 358 | Not Acceptable | EPA 200.8 |
| 0002 | Arsenic | µg/L | 1097 | 314 | 261 - 369 | Not Acceptable | EPA 200.8 |
| 1015 | Barium | µg/L | 1091 | 310 | 268 - 349 | Not Acceptable | EPA 200.8 |
| 0003 | Beryllium | µg/L | 855 | 502 | 427 - 567 | Not Acceptable | EPA 200.8 |
| 1025 | Boron | µg/L | | 1700 | 1380 - 1980 | Not Reported | |
| 0004 | Cadmium | µg/L | 556 | 164 | 139 - 187 | Not Acceptable | EPA 200.8 |
| 0006 | Chromium | µg/L | 826 | 85.9 | 72.6 - 99.0 | Not Acceptable | EPA 200.8 |
| 0005 | Cobalt | µg/L | 696 | 323 | 283 - 362 | Not Acceptable | EPA 200.8 |
| 0007 | Copper | µg/L | 1311 | 524 | 472 - 576 | Not Acceptable | EPA 200.8 |
| 0008 | Iron | µg/L | | 390 | 342 - 445 | Not Reported | |
| 0012 | Lead | µg/L | 682 | 284 | 244 - 323 | Not Acceptable | EPA 200.8 |
| 0010 | Manganese | µg/L | 699 | 326 | 291 - 362 | Not Acceptable | EPA 200.8 |
| 0074 | Molybdenum | µg/L | | 365 | 308 - 418 | Not Reported | |
| 0011 | Nickel | µg/L | 814 | 480 | 430 - 538 | Not Acceptable | EPA 200.8 |
| 0013 | Selenium | µg/L | 879 | 719 | 570 - 833 | Not Acceptable | EPA 200.8 |
| 0017 | Silver | µg/L | 156 | 389 | 334 - 446 | Not Acceptable | EPA 200.8 |
| 0075 | Strontium | µg/L | | 104 | 88.4 - 120 | Not Reported | |
| 0018 | Thallium | µg/L | 539 | 130 | 82.0 - 172 | Not Acceptable | EPA 200.8 |
| 0014 | Vanadium | µg/L | 1491 | 1250 | 1100 - 1400 | Not Acceptable | EPA 200.8 |
| 0015 | Zinc | µg/L | 1087 | 476 | 408 - 550 | Not Acceptable | EPA 200.8 |
| ***Mercury*** | | | | | | | |
| 0009 | Mercury | µg/L | 9.40 | 9.16 | 5.64 - 12.4 | Acceptable | EPA 245.1 |
| ***Mercury*** | | | | | | | |
| 0009 | Mercury | µg/L | 9.40 | 9.16 | 5.64 - 12.4 | Acceptable | EPA 7470 |
| ***Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 96.2 | 85.2 - 106 | Not Reported | |
| 0028 | Chloride | mg/L | 64.8 | 66.7 | 56.9 - 76.8 | Acceptable | EPA 300.0 |
| 0020 | Conductivity at 25°C | µmhos/cm | | 462 | 415 - 510 | Not Reported | |
| 0029 | Fluoride | mg/L | 2.3 | 2.30 | 1.89 - 2.72 | Acceptable | EPA 300.0 |
| 0026 | Potassium | mg/L | 26.2 | 24.9 | 20.5 - 29.7 | Acceptable | EPA 6010B |
| 0025 | Sodium | mg/L | 83.8 | 86.2 | 73.2 - 98.8 | Acceptable | EPA 6010B |
| 0030 | Sulfate | mg/L | | 24.8 | 19.6 - 29.4 | Not Reported | |
| 0021 | Total Dissolved Solids at 180°C | mg/L | 345 | 357 | 271 - 444 | Acceptable | EPA 160.1 |
| 1950 | Total Solids at 105°C | mg/L | 378 | 382 | 338 - 420 | Acceptable | EPA 160.3 |



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|---|---|---|---|---|---|---|---|
| ***Trace Metals*** | | | | | | | |
| 0001 | Aluminum | µg/L | 455 | 454 | 348 - 561 | Acceptable | EPA 6010B |
| 0016 | Antimony | µg/L | 279 | 295 | 201 - 358 | Acceptable | EPA 6010B |
| 0002 | Arsenic | µg/L | 307 | 314 | 261 - 369 | Acceptable | EPA 6010B |
| 1015 | Barium | µg/L | 306 | 310 | 268 - 349 | Acceptable | EPA 6010B |
| 0003 | Beryllium | µg/L | 497 | 502 | 427 - 567 | Acceptable | EPA 6010B |
| 1025 | Boron | µg/L | 1660 | 1700 | 1380 - 1980 | Acceptable | EPA 6010B |
| 0004 | Cadmium | µg/L | 154 | 164 | 139 - 187 | Acceptable | EPA 6010B |
| 0006 | Chromium | µg/L | 81.3 | 85.9 | 72.6 - 99.0 | Acceptable | EPA 6010B |
| 0005 | Cobalt | µg/L | 327 | 323 | 283 - 362 | Acceptable | EPA 6010B |
| 0007 | Copper | µg/L | 518 | 524 | 472 - 576 | Acceptable | EPA 6010B |
| 0008 | Iron | µg/L | 372 | 390 | 342 - 445 | Acceptable | EPA 6010B |
| 0012 | Lead | µg/L | 275 | 284 | 244 - 323 | Acceptable | EPA 6010B |
| 0010 | Manganese | µg/L | 323 | 326 | 291 - 362 | Acceptable | EPA 6010B |
| 0074 | Molybdenum | µg/L | 356 | 365 | 308 - 418 | Acceptable | EPA 6010B |
| 0011 | Nickel | µg/L | 480 | 480 | 430 - 538 | Acceptable | EPA 6010B |
| 0013 | Selenium | µg/L | 709 | 719 | 570 - 833 | Acceptable | EPA 6010B |
| 0017 | Silver | µg/L | 398 | 389 | 334 - 446 | Acceptable | EPA 6010B |
| 0075 | Strontium | µg/L | 106 | 104 | 88.4 - 120 | Acceptable | EPA 6010B |
| 0018 | Thallium | µg/L | 123 | 130 | 82.0 - 172 | Acceptable | EPA 6010B |
| 0014 | Vanadium | µg/L | 1240 | 1250 | 1100 - 1400 | Acceptable | EPA 6010B |
| 0015 | Zinc | µg/L | 479 | 476 | 408 - 550 | Acceptable | EPA 6010B |



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|---|---|---|---|---|---|---|---|
| ***Trace Metals*** | | | | | | | |
| 0001 | Aluminum | µg/L | 455 | 454 | 348 - 561 | Acceptable | EPA 200.7 |
| 0016 | Antimony | µg/L | 279 | 295 | 201 - 358 | Acceptable | EPA 200.7 |
| 0002 | Arsenic | µg/L | 307 | 314 | 261 - 369 | Acceptable | EPA 200.7 |
| 1015 | Barium | µg/L | 306 | 310 | 268 - 349 | Acceptable | EPA 200.7 |
| 0003 | Beryllium | µg/L | 497 | 502 | 427 - 567 | Acceptable | EPA 200.7 |
| 1025 | Boron | µg/L | 1660 | 1700 | 1380 - 1980 | Acceptable | EPA 200.7 |
| 0004 | Cadmium | µg/L | 154 | 164 | 139 - 187 | Acceptable | EPA 200.7 |
| 0006 | Chromium | µg/L | 81.3 | 85.9 | 72.6 - 99.0 | Acceptable | EPA 200.7 |
| 0005 | Cobalt | µg/L | 327 | 323 | 283 - 362 | Acceptable | EPA 200.7 |
| 0007 | Copper | µg/L | 518 | 524 | 472 - 576 | Acceptable | EPA 200.7 |
| 0008 | Iron | µg/L | 372 | 390 | 342 - 445 | Acceptable | EPA 200.7 |
| 0012 | Lead | µg/L | 275 | 284 | 244 - 323 | Acceptable | EPA 200.7 |
| 0010 | Manganese | µg/L | 323 | 326 | 291 - 362 | Acceptable | EPA 200.7 |
| 0074 | Molybdenum | µg/L | 356 | 365 | 308 - 418 | Acceptable | EPA 200.7 |
| 0011 | Nickel | µg/L | 480 | 480 | 430 - 538 | Acceptable | EPA 200.7 |
| 0013 | Selenium | µg/L | 709 | 719 | 570 - 833 | Acceptable | EPA 200.7 |
| 0017 | Silver | µg/L | 398 | 389 | 334 - 446 | Acceptable | EPA 200.7 |
| 0075 | Strontium | µg/L | 106 | 104 | 88.4 - 120 | Acceptable | EPA 200.7 |
| 0018 | Thallium | µg/L | 123 | 130 | 82.0 - 172 | Acceptable | EPA 200.7 |
| 0014 | Vanadium | µg/L | 1240 | 1250 | 1100 - 1400 | Acceptable | EPA 200.7 |
| 0015 | Zinc | µg/L | 479 | 476 | 408 - 550 | Acceptable | EPA 200.7 |



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|---|---|---|---|---|---|---|---|
| ***Simple Nutrients*** | | | | | | | |
| 0031 | Ammonia as N | mg/L | | 4.46 | 3.22 - 5.74 | Not Reported | |
| 1820 | Nitrate + Nitrite as N | mg/L | 4.65 | 4.67 | 3.80 - 5.44 | Acceptable | EPA 9056 |
| 0032 | Nitrate as N | mg/L | 4.65 | 4.67 | 3.64 - 5.65 | Acceptable | EPA 9056 |
| 0033 | ortho-Phosphate as P | mg/L | | 1.74 | 1.39 - 2.11 | Not Reported | |
| ***Complex Nutrients*** | | | | | | | |
| 0034 | Total Kjeldahl Nitrogen | mg/L | 16.3 | 15.6 | 10.3 - 20.1 | Acceptable | EPA 351.2 |
| 0035 | Total phosphorus as P | mg/L | 2.59 | 2.72 | 2.20 - 3.29 | Acceptable | EPA 365.1 |
| ***Total Cyanide*** | | | | | | | |
| 0071 | Cyanide, total | mg/L | 0.224 | 0.223 | 0.0948 - 0.358 | Acceptable | EPA 9012 |
| ***Total Cyanide*** | | | | | | | |
| 0071 | Cyanide, total | mg/L | 0.2241 | 0.223 | 0.0948 - 0.358 | Acceptable | EPA 335.3 |
| ***Total Phenolics (4-AAP)*** | | | | | | | |
| 0097 | Phenolics, total | mg/L | 1.07 | 1.02 | 0.564 - 1.49 | Acceptable | EPA 420.2 |
| ***Total Phenolics (4-AAP)*** | | | | | | | |
| 0097 | Phenolics, total | mg/L | 1.07 | 1.02 | 0.564 - 1.49 | Acceptable | EPA 9066 |
| ***Oil & Grease*** | | | | | | | |
| 0104 | Oil & Grease (Gravimetric) | mg/L | 34.0 | 39.0 | 23.6 - 48.9 | Acceptable | EPA 1664 |
| 1860 | Oil & Grease (Infrared) | mg/L | | 48.0 | 30.6 - 58.8 | Not Reported | |
| ***Total Residual Chlorine*** | | | | | | | |
| 0098 | Total Residual Chlorine | mg/L | 0.82 | 0.837 | 0.605 - 1.05 | Acceptable | EPA 330.5 |



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|---|---|---|---|---|---|---|---|
| ***pH*** | | | | | | | |
| 0019 | pH | S.U. | 5.9 | 5.92 | 5.72 - 6.12 | Acceptable | EPA 150.1 |
| ***pH*** | | | | | | | |
| 0019 | pH | S.U. | 5.9 | 5.92 | 5.72 - 6.12 | Acceptable | EPA 9040 |
| ***Hardness*** | | | | | | | |
| 0072 | Non-Filterable Residue (TSS) | mg/L | 53.9 | 30.4 | 21.5 - 36.4 | Not Acceptable | EPA 160.2 |
| 0023 | Calcium | mg/L | 35.0 | 36.5 | 32.5 - 41.5 | Acceptable | EPA 200.7 |
| 0024 | Magnesium | mg/L | 25.2 | 26.3 | 22.5 - 30.2 | Acceptable | EPA 200.7 |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 87.4 | 91.1 | 81.0 - 104 | Acceptable | SM 2340 B |
| 0022 | Total Hardness as CaCO3 | mg/L | 191 | 199 | 174 - 228 | Acceptable | SM 2340 B |
| ***Hardness*** | | | | | | | |
| 0072 | Non-Filterable Residue (TSS) | mg/L | | 30.4 | 21.5 - 36.4 | Not Reported | |
| 0023 | Calcium | mg/L | 35.0 | 36.5 | 32.5 - 41.5 | Acceptable | EPA 6010 |
| 0024 | Magnesium | mg/L | 25.2 | 26.3 | 22.5 - 30.2 | Acceptable | EPA 6010 |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 87.4 | 91.1 | 81.0 - 104 | Acceptable | SM 2340 B |
| 0022 | Total Hardness as CaCO3 | mg/L | 191 | 199 | 174 - 228 | Acceptable | SM 2340 B |
| ***Demand*** | | | | | | | |
| 0038 | BOD | mg/L | 127 | 142 | 72.0 - 212 | Acceptable | EPA 405.1 |
| 0102 | CBOD | mg/L | 142 | 122 | 54.9 - 190 | Acceptable | SM 210B |
| 0036 | COD | mg/L | 272 | 230 | 180 - 259 | Not Acceptable | EPA 410.4 |
| 0037 | TOC | mg/L | 87.4 | 91.0 | 76.1 - 104 | Acceptable | EPA 415.1 |
| ***Demand*** | | | | | | | |
| 0038 | BOD | mg/L | 127 | 142 | 72.0 - 212 | Acceptable | SM 5210 B |
| 0102 | CBOD | mg/L | | 122 | 54.9 - 190 | Not Reported | |
| 0036 | COD | mg/L | | 230 | 180 - 259 | Not Reported | |
| 0037 | TOC | mg/L | 87.4 | 91.0 | 76.1 - 104 | Acceptable | EPA 9060 |
| ***Simple Nutrients*** | | | | | | | |
| 0031 | Ammonia as N | mg/L | 5.09 | 4.46 | 3.22 - 5.74 | Acceptable | EPA 350.1 |
| 1820 | Nitrate + Nitrite as N | mg/L | 4.65 | 4.67 | 3.80 - 5.44 | Acceptable | EPA 300.0 |
| 0032 | Nitrate as N | mg/L | 4.65 | 4.67 | 3.64 - 5.65 | Acceptable | EPA 300.0 |
| 0033 | ortho-Phosphate as P | mg/L | 1.63 | 1.74 | 1.39 - 2.11 | Acceptable | EPA 365.1 |
| ***Simple Nutrients*** | | | | | | | |
| 0031 | Ammonia as N | mg/L | | 4.46 | 3.22 - 5.74 | Not Reported | |
| 1820 | Nitrate + Nitrite as N | mg/L | 4.3 | 4.67 | 3.80 - 5.44 | Acceptable | EPA 353.2 |
| 0032 | Nitrate as N | mg/L | 4.3 | 4.67 | 3.64 - 5.65 | Acceptable | EPA 353.2 |
| 0033 | ortho-Phosphate as P | mg/L | | 1.74 | 1.39 - 2.11 | Not Reported | |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL
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# Study: **WP-147**

# ERA Laboratory Code: **V558901**

# Laboratory Name: **US Biosystems Inc**

## Inorganic Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 42.3 | 41.4 | 29.5 - 53.0 | Acceptable | EPA 8260 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 79.5 | 80.5 | 51.3 - 112 | Acceptable | EPA 8260 |
| 4765 | Ethylbenzene | µg/L | 81.4 | 84.3 | 58.3 - 107 | Acceptable | EPA 8260 |
| 5140 | Toluene | µg/L | 76.2 | 72.7 | 50.4 - 90.9 | Acceptable | EPA 8260 |
| 5260 | Xylenes, total | µg/L | 222 | 209 | 120 - 279 | Acceptable | EPA 8260 |
| ***WP BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 42.3 | 41.4 | 29.5 - 53.0 | Acceptable | 624 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 79.5 | 80.5 | 51.3 - 112 | Acceptable | 624 |
| 4765 | Ethylbenzene | µg/L | 81.4 | 84.3 | 58.3 - 107 | Acceptable | 624 |
| 5140 | Toluene | µg/L | 76.2 | 72.7 | 50.4 - 90.9 | Acceptable | 624 |
| 5260 | Xylenes, total | µg/L | 222 | 209 | 120 - 279 | Acceptable | 624 |
| ***WP BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 35.6 | 41.4 | 29.5 - 53.0 | Acceptable | EPA 8021 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 75.2 | 80.5 | 51.3 - 112 | Acceptable | EPA 8021 |
| 4765 | Ethylbenzene | µg/L | 65.6 | 84.3 | 58.3 - 107 | Acceptable | EPA 8021 |
| 5140 | Toluene | µg/L | 60.5 | 72.7 | 50.4 - 90.9 | Acceptable | EPA 8021 |
| 5260 | Xylenes, total | µg/L | 177 | 209 | 120 - 279 | Acceptable | EPA 8021 |
| ***WP BTEX & MTBE in Water*** | | | | | | | |
| 4375 | Benzene | µg/L | 35.6 | 41.4 | 29.5 - 53.0 | Acceptable | EPA 602 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 75.2 | 80.5 | 51.3 - 112 | Acceptable | EPA 602 |
| 4765 | Ethylbenzene | µg/L | 65.6 | 84.3 | 58.3 - 107 | Acceptable | EPA 602 |
| 5140 | Toluene | µg/L | 60.5 | 72.7 | 50.4 - 90.9 | Acceptable | EPA 602 |
| 5260 | Xylenes, total | µg/L | 177 | 209 | 120 - 279 | Acceptable | EPA 602 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Organophosphorous Pesticides (OPP)*** | | | | | | | |
| 7075 | Azinphos-methyl (Guthion) | µg/L | 10.6 | 10.7 | 1.29 - 18.4 | Acceptable | 614 |
| 7220 | Carbophenothion | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7300 | Chlorpyrifos | µg/L | 13.7 | 16.0 | 4.51 - 22.6 | Acceptable | 614 |
| 7395 | Demeton-O | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7385 | Demeton-S | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7410 | Diazinon | µg/L | < 0.50 | 2.66 | 1.04 - 4.21 | Not Acceptable | 614 |
| 8610 | Dichlorvos (DDVP) | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7475 | Dimethoate | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7495 | Dioxathion | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 8625 | Disulfoton | µg/L | 12.8 | 11.8 | 1.94 - 19.2 | Acceptable | 614 |
| 7565 | Ethion | µg/L | 10.1 | 8.61 | 2.72 - 14.5 | Acceptable | 614 |
| 7570 | Ethoprop | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 7955 | Ethyl Parathion | µg/L | 14.5 | 18.3 | 10.1 - 26.5 | Acceptable | 614 |
| 7580 | Famphur | µg/L | 2.38 | 3.06 | 0.512 - 5.18 | Acceptable | 614 |
| 7640 | Fonofos | µg/L | 19.4 | 17.7 | 1.77 - 34.7 | Acceptable | 614 |
| 7770 | Malathion | µg/L | 8.0 | 7.44 | 1.41 - 11.9 | Acceptable | 614 |
| 7825 | Methyl Parathion | µg/L | 17.0 | 17.0 | 6.34 - 24.0 | Acceptable | 614 |
| 7985 | Phorate | µg/L | 19.2 | 19.4 | 6.54 - 24.8 | Acceptable | 614 |
| 8000 | Phosmet | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 8110 | Ronnel | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 8200 | Stirophos | µg/L | < 0.50 | 0.00 | | Acceptable | 614 |
| 8185 | Terbufos | µg/L | 3.93 | 3.98 | 1.11 - 4.94 | Acceptable | 614 |
| ***WP Gasoline Range Organics (GRO) in Water*** | | | | | | | |
| 9408 | Gasoline Range Organics (GRO) | µg/L | 4110 | 3490 | 1350 - 6150 | Acceptable | EPA 8015 |
| 4375 | Benzene in GRO | µg/L | | 21.9 | 9.46 - 36.8 | Not Reported | |
| 4765 | Ethylbenzene in GRO | µg/L | | 96.7 | 55.8 - 134 | Not Reported | |
| 5140 | Toluene in GRO | µg/L | | 272 | 146 - 362 | Not Reported | |
| 5260 | Xylenes, total in GRO | µg/L | | 389 | 223 - 525 | Not Reported | |
| ***WP Diesel Range Organics (DRO) in Water*** | | | | | | | |
| 9369 | Diesel Range Organics (DRO) | µg/L | 891 | 3820 | 952 - 4910 | Not Acceptable | EPA 8015 |
| ***WP Diesel Range Organics (DRO) in Water*** | | | | | | | |
| 9369 | Diesel Range Organics (DRO) | µg/L | 891 | 3820 | 952 - 4910 | Not Acceptable | CA LUFT GC |
| ***WP Total Petroleum Hydrocarbons (TPH) in Water*** | | | | | | | |
| 1935 | TPH (Gravimetric) | mg/L | 48.9 | 62.5 | 28.6 - 90.3 | Acceptable | EPA 1664 |
| 1935 | TPH (IR) | mg/L | | 76.9 | 35.7 - 111 | Not Reported | |



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# WP-153 Final Complete Report

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Genapure Analytical Service, Inc.
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Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Organophosphorous Pesticides (OPP)*** | | | | | | | |
| 7075 | Azinphos-methyl (Guthion) | µg/L | 10.2 | 10.7 | 1.29 - 18.4 | Acceptable | EPA 8141 NPD |
| 7220 | Carbophenothion | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7300 | Chlorpyrifos | µg/L | 13.6 | 16.0 | 4.51 - 22.6 | Acceptable | EPA 8141 NPD |
| 7395 | Demeton-O | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7385 | Demeton-S | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7410 | Diazinon | µg/L | < 0.50 | 2.66 | 1.04 - 4.21 | Not Acceptable | EPA 8141 NPD |
| 8610 | Dichlorvos (DDVP) | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7475 | Dimethoate | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7495 | Dioxathion | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 8625 | Disulfoton | µg/L | 11.5 | 11.8 | 1.94 - 19.2 | Acceptable | EPA 8141 NPD |
| 7565 | Ethion | µg/L | 9.26 | 8.61 | 2.72 - 14.5 | Acceptable | EPA 8141 NPD |
| 7570 | Ethoprop | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 7955 | Ethyl Parathion | µg/L | 18.4 | 18.3 | 10.1 - 26.5 | Acceptable | EPA 8141 NPD |
| 7580 | Famphur | µg/L | 2.51 | 3.06 | 0.512 - 5.18 | Acceptable | EPA 8141 NPD |
| 7640 | Fonofos | µg/L | 17.5 | 17.7 | 1.77 - 34.7 | Acceptable | EPA 8141 NPD |
| 7770 | Malathion | µg/L | 7.41 | 7.44 | 1.41 - 11.9 | Acceptable | EPA 8141 NPD |
| 7825 | Methyl Parathion | µg/L | 15.8 | 17.0 | 6.34 - 24.0 | Acceptable | EPA 8141 NPD |
| 7985 | Phorate | µg/L | 17.6 | 19.4 | 6.54 - 24.8 | Acceptable | EPA 8141 NPD |
| 8000 | Phosmet | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 8110 | Ronnel | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 8200 | Stirophos | µg/L | < 0.50 | 0.00 | | Acceptable | EPA 8141 NPD |
| 8185 | Terbufos | µg/L | 3.20 | 3.98 | 1.11 - 4.94 | Acceptable | EPA 8141 NPD |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Acids*** | | | | | | | |
| 5610 | Benzoic acid | µg/L | < 50.0 | 0.00 | | Acceptable | EPA 8270 |
| 5700 | 4-Chloro-3-methylphenol | µg/L | 37.6 | 51.2 | 18.8 - 65.9 | Acceptable | EPA 8270 |
| 5800 | 2-Chlorophenol | µg/L | 108 | 166 | 46.8 - 208 | Acceptable | EPA 8270 |
| 6000 | 2,4-Dichlorophenol | µg/L | 56.7 | 84.6 | 26.6 - 106 | Acceptable | EPA 8270 |
| 6005 | 2,6-Dichlorophenol | µg/L | 85.6 | 108 | 36.5 - 135 | Acceptable | EPA 8270 |
| 6130 | 2,4-Dimethylphenol | µg/L | 57.1 | 74.4 | 14.5 - 98.4 | Acceptable | EPA 8270 |
| 6360 | 4,6-Dinitro-2-methylphenol | µg/L | 70.8 | 108 | 34.9 - 152 | Acceptable | EPA 8270 |
| 6175 | 2,4-Dinitrophenol | µg/L | 63.4 | 125 | 12.5 - 174 | Acceptable | EPA 8270 |
| 6400 | 2-Methylphenol | µg/L | 71.3 | 131 | 24.7 - 162 | Acceptable | EPA 8270 |
| 6410 | 4-Methylphenol | µg/L | 87.4 | 174 | 17.4 - 223 | Acceptable | EPA 8270 |
| 6490 | 2-Nitrophenol | µg/L | 122 | 176 | 39.0 - 232 | Acceptable | EPA 8270 |
| 6500 | 4-Nitrophenol | µg/L | 56.2 | 154 | 15.4 - 207 | Acceptable | EPA 8270 |
| 6605 | Pentachlorophenol | µg/L | 62.0 | 96.6 | 24.2 - 134 | Acceptable | EPA 8270 |
| 6625 | Phenol | µg/L | 44.5 | 159 | 15.9 - 213 | Acceptable | EPA 8270 |
| 6735 | 2,3,4,6-Tetrachlorophenol | µg/L | 122 | 138 | 31.2 - 185 | Acceptable | EPA 8270 |
| 6835 | 2,4,5-Trichlorophenol | µg/L | 43.2 | 63.3 | 24.0 - 83.7 | Acceptable | EPA 8270 |
| 6840 | 2,4,6-Trichlorophenol | µg/L | 56.3 | 73.4 | 23.4 - 94.1 | Acceptable | EPA 8270 |
| ***WP Acids*** | | | | | | | |
| 5610 | Benzoic acid | µg/L | | 0.00 | | Not Reported | |
| 5700 | 4-Chloro-3-methylphenol | µg/L | 37.6 | 51.2 | 18.8 - 65.9 | Acceptable | EPA 625 |
| 5800 | 2-Chlorophenol | µg/L | 108 | 166 | 46.8 - 208 | Acceptable | EPA 625 |
| 6000 | 2,4-Dichlorophenol | µg/L | 56.7 | 84.6 | 26.6 - 106 | Acceptable | EPA 625 |
| 6005 | 2,6-Dichlorophenol | µg/L | | 108 | 36.5 - 135 | Not Reported | |
| 6130 | 2,4-Dimethylphenol | µg/L | 57.1 | 74.4 | 14.5 - 98.4 | Acceptable | EPA 625 |
| 6360 | 4,6-Dinitro-2-methylphenol | µg/L | 70.8 | 108 | 34.9 - 152 | Acceptable | EPA 625 |
| 6175 | 2,4-Dinitrophenol | µg/L | 63.4 | 125 | 12.5 - 174 | Acceptable | EPA 625 |
| 6400 | 2-Methylphenol | µg/L | 71.3 | 131 | 24.7 - 162 | Acceptable | EPA 625 |
| 6410 | 4-Methylphenol | µg/L | 87.4 | 174 | 17.4 - 223 | Acceptable | EPA 625 |
| 6490 | 2-Nitrophenol | µg/L | 122 | 176 | 39.0 - 232 | Acceptable | EPA 625 |
| 6500 | 4-Nitrophenol | µg/L | 56.2 | 154 | 15.4 - 207 | Acceptable | EPA 625 |
| 6605 | Pentachlorophenol | µg/L | 62.0 | 96.6 | 24.2 - 134 | Acceptable | EPA 625 |
| 6625 | Phenol | µg/L | 44.5 | 159 | 15.9 - 213 | Acceptable | EPA 625 |
| 6735 | 2,3,4,6-Tetrachlorophenol | µg/L | | 138 | 31.2 - 185 | Not Reported | |
| 6835 | 2,4,5-Trichlorophenol | µg/L | | 63.3 | 24.0 - 83.7 | Not Reported | |
| 6840 | 2,4,6-Trichlorophenol | µg/L | 56.3 | 73.4 | 23.4 - 94.1 | Acceptable | EPA 625 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-153 Final Complete Report

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EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (Continued)*** | | | | | | | |
| 6185 | 2,4-Dinitrotoluene | µg/L | 63.9 | 75.1 | 27.1 - 94.5 | Acceptable | EPA 625 |
| 6190 | 2,6-Dinitrotoluene | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6200 | Di-n-octylphthalate | µg/L | 85.5 | 107 | 23.0 - 158 | Acceptable | EPA 625 |
| 6255 | bis(2-Ethylhexyl)phthalate | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6265 | Fluoranthene | µg/L | 75.3 | 94.1 | 41.8 - 114 | Acceptable | EPA 625 |
| 6270 | Fluorene | µg/L | 49.0 | 73.3 | 30.7 - 89.3 | Acceptable | EPA 625 |
| 6275 | Hexachlorobenzene | µg/L | 77.0 | 100 | 43.5 - 123 | Acceptable | EPA 625 |
| 4835 | Hexachlorobutadiene | µg/L | 6.64 | 144 | 17.6 - 169 | Not Acceptable | EPA 625 |
| 6285 | Hexachlorocyclopentadiene | µg/L | 10.8 | 150 | 15.0 - 194 | Not Acceptable | EPA 625 |
| 4840 | Hexachloroethane | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | 26.5 | 39.7 | 7.71 - 55.3 | Acceptable | EPA 625 |
| 6320 | Isophorone | µg/L | 33.0 | 40.4 | 16.7 - 53.2 | Acceptable | EPA 625 |
| 6385 | 2-Methylnaphthalene | µg/L | | 38.0 | 5.36 - 51.8 | Not Reported | |
| 5005 | Naphthalene | µg/L | 34.4 | 68.8 | 19.5 - 83.7 | Acceptable | EPA 625 |
| 6460 | 2-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 6465 | 3-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 6470 | 4-Nitroaniline | µg/L | | 0.00 | | Not Reported | |
| 5015 | Nitrobenzene | µg/L | 32.0 | 46.7 | 15.3 - 58.8 | Acceptable | EPA 625 |
| 6525 | N-Nitrosodiethylamine | µg/L | | 0.00 | | Not Reported | |
| 6530 | N-Nitrosodimethylamine | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6535 | N-Nitrosodiphenylamine | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6545 | N-Nitroso-di-n-propylamine | µg/L | 37.1 | 49.1 | 11.6 - 68.0 | Acceptable | EPA 625 |
| 6590 | Pentachlorobenzene | µg/L | | 0.00 | | Not Reported | |
| 6615 | Phenanthrene | µg/L | 27.6 | 33.7 | 17.2 - 43.9 | Acceptable | EPA 625 |
| 6665 | Pyrene | µg/L | 26.6 | 31.2 | 10.0 - 46.5 | Acceptable | EPA 625 |
| 5095 | Pyridine | µg/L | | 0.00 | | Not Reported | |
| 6715 | 1,2,4,5-Tetrachlorobenzene | µg/L | | 0.00 | | Not Reported | |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 30.7 | 139 | 31.4 - 164 | Not Acceptable | EPA 625 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals*** | | | | | | | |
| 5500 | Acenaphthene | µg/L | 68.7 | 113 | 44.5 - 134 | Acceptable | EPA 625 |
| 5505 | Acenaphthylene | µg/L | 18.9 | 32.0 | 12.0 - 40.6 | Acceptable | EPA 625 |
| 5145 | 2-Amino-1-methylbenzene (o-toluidine) | µg/L | | 0.00 | | Not Reported | |
| 5545 | Aniline | µg/L | | 0.00 | | Not Reported | |
| 5555 | Anthracene | µg/L | 54.9 | 75.4 | 32.0 - 94.6 | Acceptable | EPA 625 |
| 5595 | Benzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 625 |
| 5575 | Benzo(a)anthracene | µg/L | 78.4 | 102 | 46.4 - 129 | Acceptable | EPA 625 |
| 5585 | Benzo(b)fluoranthene | µg/L | 25.8 | 33.2 | 11.2 - 46.1 | Acceptable | EPA 625 |
| 5600 | Benzo(k)fluoranthene | µg/L | 51.3 | 56.5 | 13.5 - 83.4 | Acceptable | EPA 625 |
| 5590 | Benzo(g,h,i)perylene | µg/L | 35.4 | 46.9 | 15.0 - 65.9 | Acceptable | EPA 625 |
| 5580 | Benzo(a)pyrene | µg/L | 35.0 | 46.2 | 14.0 - 60.2 | Acceptable | EPA 625 |
| 5630 | Benzyl alcohol | µg/L | | 0.00 | | Not Reported | |
| 5660 | 4-Bromophenyl-phenylether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 5670 | Butylbenzylphthalate | µg/L | 135 | 181 | 38.9 - 254 | Acceptable | EPA 625 |
| 5680 | Carbazole | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 5745 | 4-Chloroaniline | µg/L | | 0.00 | | Not Reported | |
| 5760 | bis(2-Chloroethoxy)methane | µg/L | 101 | 138 | 54.6 - 163 | Acceptable | EPA 625 |
| 5765 | bis(2-Chloroethyl)ether | µg/L | 113 | 157 | 41.5 - 189 | Acceptable | EPA 625 |
| 5780 | bis(2-Chloroisopropyl)ether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 5790 | 1-Chloronaphthalene | µg/L | | 0.00 | | Not Reported | |
| 5795 | 2-Chloronaphthalene | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 5825 | 4-Chlorophenyl-phenylether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 5855 | Chrysene | µg/L | 39.7 | 48.3 | 19.7 - 64.7 | Acceptable | EPA 625 |
| 5895 | Dibenz(a,h)anthracene | µg/L | 19.3 | 25.2 | 6.46 - 37.8 | Acceptable | EPA 625 |
| 5905 | Dibenzofuran | µg/L | | 0.00 | | Not Reported | |
| 5925 | Di-n-butylphthalate | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 4610 | 1,2-Dichlorobenzene | µg/L | 23.3 | 75.6 | 8.55 - 92.0 | Acceptable | EPA 625 |
| 4615 | 1,3-Dichlorobenzene | µg/L | 19.9 | 85.9 | 10.7 - 101 | Acceptable | EPA 625 |
| 4620 | 1,4-Dichlorobenzene | µg/L | 11.5 | 43.6 | 4.36 - 55.8 | Acceptable | EPA 625 |
| 5945 | 3,3'-Dichlorobenzidine | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 625 |
| 6070 | Diethylphthalate | µg/L | 60.2 | 70.3 | 11.9 - 100 | Acceptable | EPA 625 |
| 6135 | Dimethylphthalate | µg/L | 127 | 158 | 15.8 - 227 | Acceptable | EPA 625 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (Continued)*** | | | | | | | |
| 6185 | 2,4-Dinitrotoluene | µg/L | 63.9 | 75.1 | 27.1 - 94.5 | Acceptable | EPA 8270 |
| 6190 | 2,6-Dinitrotoluene | µg/L | < 0.39 | 0.00 | | Acceptable | EPA 8270 |
| 6200 | Di-n-octylphthalate | µg/L | 85.5 | 107 | 23.0 - 158 | Acceptable | EPA 8270 |
| 6255 | bis(2-Ethylhexyl)phthalate | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 6265 | Fluoranthene | µg/L | 75.3 | 94.1 | 41.8 - 114 | Acceptable | EPA 8270 |
| 6270 | Fluorene | µg/L | 49.0 | 73.3 | 30.7 - 89.3 | Acceptable | EPA 8270 |
| 6275 | Hexachlorobenzene | µg/L | 77.0 | 100 | 43.5 - 123 | Acceptable | EPA 8270 |
| 4835 | Hexachlorobutadiene | µg/L | 6.64 | 144 | 17.6 - 169 | Not Acceptable | EPA 8270 |
| 6285 | Hexachlorocyclopentadiene | µg/L | 10.8 | 150 | 15.0 - 194 | Not Acceptable | EPA 8270 |
| 4840 | Hexachloroethane | µg/L | < 2.0 | 0.00 | | Acceptable | EPA 8270 |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | 26.5 | 39.7 | 7.71 - 55.3 | Acceptable | EPA 8270 |
| 6320 | Isophorone | µg/L | 33.0 | 40.4 | 16.7 - 53.2 | Acceptable | EPA 8270 |
| 6385 | 2-Methylnaphthalene | µg/L | 12.5 | 38.0 | 5.36 - 51.8 | Acceptable | EPA 8270 |
| 5005 | Naphthalene | µg/L | 34.4 | 68.8 | 19.5 - 83.7 | Acceptable | EPA 8270 |
| 6460 | 2-Nitroaniline | µg/L | < 50 | 0.00 | | Acceptable | EPA 8270 |
| 6465 | 3-Nitroaniline | µg/L | < 50 | 0.00 | | Acceptable | EPA 8270 |
| 6470 | 4-Nitroaniline | µg/L | < 50 | 0.00 | | Acceptable | EPA 8270 |
| 5015 | Nitrobenzene | µg/L | 32.0 | 46.7 | 15.3 - 58.8 | Acceptable | EPA 8270 |
| 6525 | N-Nitrosodiethylamine | µg/L | < 3.7 | 0.00 | | Acceptable | EPA 8270 |
| 6530 | N-Nitrosodimethylamine | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 6535 | N-Nitrosodiphenylamine | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 6545 | N-Nitroso-di-n-propylamine | µg/L | 37.1 | 49.1 | 11.6 - 68.0 | Acceptable | EPA 8270 |
| 6590 | Pentachlorobenzene | µg/L | < 4.5 | 0.00 | | Acceptable | EPA 8270 |
| 6615 | Phenanthrene | µg/L | 27.6 | 33.7 | 17.2 - 43.9 | Acceptable | EPA 8270 |
| 6665 | Pyrene | µg/L | 26.6 | 31.2 | 10.0 - 46.5 | Acceptable | EPA 8270 |
| 5095 | Pyridine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | µg/L | < 2.8 | 0.00 | | Acceptable | EPA 8270 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 30.7 | 139 | 31.4 - 164 | Not Acceptable | EPA 8270 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-153 Final Complete Report

**Meegan Dougherty**
**Quality Assurance Officer**
**Genapure Analytical Service, Inc.**
**3231 NW 7th Avenue**
**Boca Raton, FL 33431**
**561-447-7373**

**EPA ID:** FL00449
**ERA Customer Number:** V558901
**Report Issued:** 12/17/07
**Study Dates:** 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals*** | | | | | | | |
| 5500 | Acenaphthene | µg/L | 68.7 | 113 | 44.5 - 134 | Acceptable | EPA 8270 |
| 5505 | Acenaphthylene | µg/L | 18.9 | 32.0 | 12.0 - 40.6 | Acceptable | EPA 8270 |
| 5145 | 2-Amino-1-methylbenzene (o-toluidine) | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 5545 | Aniline | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5555 | Anthracene | µg/L | 54.9 | 75.4 | 32.0 - 94.6 | Acceptable | EPA 8270 |
| 5595 | Benzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 5575 | Benzo(a)anthracene | µg/L | 78.4 | 102 | 46.4 - 129 | Acceptable | EPA 8270 |
| 5585 | Benzo(b)fluoranthene | µg/L | 25.8 | 33.2 | 11.2 - 46.1 | Acceptable | EPA 8270 |
| 5600 | Benzo(k)fluoranthene | µg/L | 51.3 | 56.5 | 13.5 - 83.4 | Acceptable | EPA 8270 |
| 5590 | Benzo(g,h,i)perylene | µg/L | 35.4 | 46.9 | 15.0 - 65.9 | Acceptable | EPA 8270 |
| 5580 | Benzo(a)pyrene | µg/L | 35.0 | 46.2 | 14.0 - 60.2 | Acceptable | EPA 8270 |
| 5630 | Benzyl alcohol | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5660 | 4-Bromophenyl-phenylether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5670 | Butylbenzylphthalate | µg/L | 135 | 181 | 38.9 - 254 | Acceptable | EPA 8270 |
| 5680 | Carbazole | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5745 | 4-Chloroaniline | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5760 | bis(2-Chloroethoxy)methane | µg/L | 101 | 138 | 54.6 - 163 | Acceptable | EPA 8270 |
| 5765 | bis(2-Chloroethyl)ether | µg/L | 113 | 157 | 41.5 - 189 | Acceptable | EPA 8270 |
| 5780 | bis(2-Chloroisopropyl)ether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5790 | 1-Chloronaphthalene | µg/L | | 0.00 | | Not Reported | |
| 5795 | 2-Chloronaphthalene | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5825 | 4-Chlorophenyl-phenylether | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 5855 | Chrysene | µg/L | 39.7 | 48.3 | 19.7 - 64.7 | Acceptable | EPA 8270 |
| 5895 | Dibenz(a,h)anthracene | µg/L | 19.3 | 25.2 | 6.46 - 37.8 | Acceptable | EPA 8270 |
| 5905 | Dibenzofuran | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 5925 | Di-n-butylphthalate | µg/L | < 4.0 | 0.00 | | Acceptable | EPA 8270 |
| 4610 | 1,2-Dichlorobenzene | µg/L | 23.3 | 75.6 | 8.55 - 92.0 | Acceptable | EPA 8270 |
| 4615 | 1,3-Dichlorobenzene | µg/L | 19.9 | 85.9 | 10.7 - 101 | Acceptable | EPA 8270 |
| 4620 | 1,4-Dichlorobenzene | µg/L | 11.5 | 43.6 | 4.36 - 55.8 | Acceptable | EPA 8270 |
| 5945 | 3,3'-Dichlorobenzidine | µg/L | < 10.0 | 0.00 | | Acceptable | EPA 8270 |
| 6070 | Diethylphthalate | µg/L | 60.2 | 70.3 | 11.9 - 100 | Acceptable | EPA 8270 |
| 6135 | Dimethylphthalate | µg/L | 127 | 158 | 15.8 - 227 | Acceptable | EPA 8270 |



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561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Chlorinated Acid Herbicides*** | | | | | | | |
| 8505 | Acifluorfen | µg/L | | 8.88 | 1.59 - 13.1 | Not Reported | |
| 8530 | Bentazon | µg/L | | 2.57 | 0.257 - 4.91 | Not Reported | |
| 8540 | Chloramben | µg/L | | 4.88 | 0.488 - 7.17 | Not Reported | |
| 8545 | 2,4-D | µg/L | 5.75 | 8.23 | 0.823 - 13.2 | Acceptable | EPA 8151 |
| 8560 | 2,4-DB | µg/L | 13.1 | 6.82 | 0.682 - 13.0 | Not Acceptable | EPA 8151 |
| 8550 | Dacthal diacid (DCPA) | µg/L | | 4.24 | 0.424 - 7.67 | Not Reported | |
| 8555 | Dalapon | µg/L | 3.97 | 6.70 | 0.670 - 11.2 | Acceptable | EPA 8151 |
| 8595 | Dicamba | µg/L | 4.81 | 6.66 | 0.666 - 9.68 | Acceptable | EPA 8151 |
| 8600 | 3,5-Dichlorobenzoic acid | µg/L | | 9.83 | 2.60 - 14.5 | Not Reported | |
| 8605 | Dichlorprop | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8151 |
| 8620 | Dinoseb | µg/L | 4.57 | 7.65 | 0.765 - 11.9 | Acceptable | EPA 8151 |
| 7775 | MCPA | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8151 |
| 7780 | MCPP | µg/L | 65.1 | 96.8 | 0.00 - 418 | Acceptable | EPA 8151 |
| 6500 | 4-Nitrophenol | µg/L | | 7.58 | 0.758 - 12.8 | Not Reported | |
| 6605 | Pentachlorophenol | µg/L | 3.36 | 4.28 | 0.428 - 6.85 | Acceptable | EPA 8151 |
| 8645 | Picloram | µg/L | 5.82 | 9.17 | 0.917 - 16.4 | Acceptable | EPA 8151 |
| 8655 | 2,4,5-T | µg/L | 3.03 | 3.19 | 0.319 - 4.94 | Acceptable | EPA 8151 |
| 8650 | 2,4,5-TP (Silvex) | µg/L | 4.88 | 5.28 | 0.702 - 7.75 | Acceptable | EPA 8151 |
| ***WP Chlorinated Acid Herbicides*** | | | | | | | |
| 8505 | Acifluorfen | µg/L | | 8.88 | 1.59 - 13.1 | Not Reported | |
| 8530 | Bentazon | µg/L | | 2.57 | 0.257 - 4.91 | Not Reported | |
| 8540 | Chloramben | µg/L | | 4.88 | 0.488 - 7.17 | Not Reported | |
| 8545 | 2,4-D | µg/L | 5.75 | 8.23 | 0.823 - 13.2 | Acceptable | EPA 615 |
| 8560 | 2,4-DB | µg/L | 13.1 | 6.82 | 0.682 - 13.0 | Not Acceptable | EPA 615 |
| 8550 | Dacthal diacid (DCPA) | µg/L | | 4.24 | 0.424 - 7.67 | Not Reported | |
| 8555 | Dalapon | µg/L | 3.97 | 6.70 | 0.670 - 11.2 | Acceptable | EPA 615 |
| 8595 | Dicamba | µg/L | 4.81 | 6.66 | 0.666 - 9.68 | Acceptable | EPA 615 |
| 8600 | 3,5-Dichlorobenzoic acid | µg/L | | 9.83 | 2.60 - 14.5 | Not Reported | |
| 8605 | Dichlorprop | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 615 |
| 8620 | Dinoseb | µg/L | 4.57 | 7.65 | 0.765 - 11.9 | Acceptable | EPA 615 |
| 7775 | MCPA | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 615 |
| 7780 | MCPP | µg/L | 65.1 | 96.8 | 0.00 - 418 | Acceptable | EPA 615 |
| 6500 | 4-Nitrophenol | µg/L | | 7.58 | 0.758 - 12.8 | Not Reported | |
| 6605 | Pentachlorophenol | µg/L | 3.36 | 4.28 | 0.428 - 6.85 | Acceptable | EPA 615 |
| 8645 | Picloram | µg/L | 5.82 | 9.17 | 0.917 - 16.4 | Acceptable | EPA 615 |
| 8655 | 2,4,5-T | µg/L | 3.03 | 3.19 | 0.319 - 4.94 | Acceptable | EPA 615 |
| 8650 | 2,4,5-TP (Silvex) | µg/L | 4.88 | 5.28 | 0.702 - 7.75 | Acceptable | EPA 615 |



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EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Organochlorine Pesticides*** | | | | | | | |
| 0047 | Aldrin | µg/L | | 4.35 | 1.24 - 6.01 | Not Reported | |
| 7110 | alpha-BHC | µg/L | | 14.3 | 6.56 - 19.2 | Not Reported | |
| 7115 | beta-BHC | µg/L | | 6.62 | 2.74 - 9.03 | Not Reported | |
| 7105 | delta-BHC | µg/L | | 8.28 | 3.10 - 11.6 | Not Reported | |
| 7120 | gamma-BHC(Lindane) | µg/L | | 5.38 | 2.17 - 7.47 | Not Reported | |
| 7240 | alpha-Chlordane | µg/L | | 6.49 | 2.92 - 8.75 | Not Reported | |
| 7245 | gamma-Chlordane | µg/L | | 4.82 | 2.00 - 6.59 | Not Reported | |
| 0049 | 4,4'-DDD | µg/L | | 8.09 | 2.96 - 11.5 | Not Reported | |
| 0050 | 4,4'-DDE | µg/L | | 7.95 | 3.54 - 10.2 | Not Reported | |
| 0051 | 4,4'-DDT | µg/L | | 1.16 | 0.441 - 1.81 | Not Reported | |
| 0048 | Dieldrin | µg/L | | 1.02 | 0.442 - 1.48 | Not Reported | |
| 7540 | Endrin | µg/L | | 3.40 | 1.32 - 5.19 | Not Reported | |
| 7530 | Endrin aldehyde | µg/L | | 7.03 | 1.95 - 10.8 | Not Reported | |
| 7535 | Endrin ketone | µg/L | | 7.45 | 4.10 - 10.8 | Not Reported | |
| 7510 | Endosulfan I | µg/L | | 10.7 | 3.15 - 15.5 | Not Reported | |
| 7515 | Endosulfan II | µg/L | | 13.3 | 4.09 - 17.6 | Not Reported | |
| 7520 | Endosulfan sulfate | µg/L | | 11.9 | 4.50 - 17.4 | Not Reported | |
| 0052 | Heptachlor | µg/L | | 5.03 | 1.63 - 6.90 | Not Reported | |
| 0078 | Heptachlor epoxide (beta) | µg/L | | 7.54 | 3.76 - 10.5 | Not Reported | |
| 7810 | Methoxychlor | µg/L | 4.93 | 8.86 | 2.35 - 14.0 | Acceptable | 608.2 |
| ***WP Chlordane*** | | | | | | | |
| 0053 | Chlordane, technical | µg/L | 16.6 | 22.1 | 8.30 - 31.9 | Acceptable | EPA 8081 |
| ***WP Chlordane*** | | | | | | | |
| 0053 | Chlordane, technical | µg/L | 16.6 | 22.1 | 8.30 - 31.9 | Acceptable | EPA 608 |
| ***WP Toxaphene*** | | | | | | | |
| 8250 | Toxaphene | µg/L | 23.3 | 27.4 | 2.74 - 49.6 | Acceptable | EPA 608 |
| ***WP Toxaphene*** | | | | | | | |
| 8250 | Toxaphene | µg/L | 23.3 | 27.4 | 2.74 - 49.6 | Acceptable | EPA 8081 |



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EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Organochlorine Pesticides*** | | | | | | | |
| 0047 | Aldrin | µg/L | 2.19 | 4.35 | 1.24 - 6.01 | Acceptable | EPA 608 |
| 7110 | alpha-BHC | µg/L | 7.79 | 14.3 | 6.56 - 19.2 | Acceptable | EPA 608 |
| 7115 | beta-BHC | µg/L | 3.22 | 6.62 | 2.74 - 9.03 | Acceptable | EPA 608 |
| 7105 | delta-BHC | µg/L | 3.61 | 8.28 | 3.10 - 11.6 | Acceptable | EPA 608 |
| 7120 | gamma-BHC(Lindane) | µg/L | 2.82 | 5.38 | 2.17 - 7.47 | Acceptable | EPA 608 |
| 7240 | alpha-Chlordane | µg/L | 3.40 | 6.49 | 2.92 - 8.75 | Acceptable | EPA 608 |
| 7245 | gamma-Chlordane | µg/L | 2.48 | 4.82 | 2.00 - 6.59 | Acceptable | EPA 608 |
| 0049 | 4,4'-DDD | µg/L | 3.51 | 8.09 | 2.96 - 11.5 | Acceptable | EPA 608 |
| 0050 | 4,4'-DDE | µg/L | 3.73 | 7.95 | 3.54 - 10.2 | Acceptable | EPA 608 |
| 0051 | 4,4'-DDT | µg/L | 1.25 | 1.16 | 0.441 - 1.81 | Acceptable | EPA 608 |
| 0048 | Dieldrin | µg/L | 1.02 | 1.02 | 0.442 - 1.48 | Acceptable | EPA 608 |
| 7540 | Endrin | µg/L | 2.03 | 3.40 | 1.32 - 5.19 | Acceptable | EPA 608 |
| 7530 | Endrin aldehyde | µg/L | 3.31 | 7.03 | 1.95 - 10.8 | Acceptable | EPA 608 |
| 7535 | Endrin ketone | µg/L | 3.65 | 7.45 | 4.10 - 10.8 | Not Acceptable | EPA 608 |
| 7510 | Endosulfan I | µg/L | 5.20 | 10.7 | 3.15 - 15.5 | Acceptable | EPA 608 |
| 7515 | Endosulfan II | µg/L | 6.81 | 13.3 | 4.09 - 17.6 | Acceptable | EPA 608 |
| 7520 | Endosulfan sulfate | µg/L | 6.39 | 11.9 | 4.50 - 17.4 | Acceptable | EPA 608 |
| 0052 | Heptachlor | µg/L | 2.94 | 5.03 | 1.63 - 6.90 | Acceptable | EPA 608 |
| 0078 | Heptachlor epoxide (beta) | µg/L | 4.02 | 7.54 | 3.76 - 10.5 | Acceptable | EPA 608 |
| 7810 | Methoxychlor | µg/L | | 8.86 | 2.35 - 14.0 | Not Reported | |



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**561-447-7373**

**EPA ID:** FL00449
**ERA Customer Number:** V558901
**Report Issued:** 12/17/07
**Study Dates:** 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP PCBs in Oil*** | | | | | | | |
| 8880 | Aroclor 1016 | mg/kg | < 1.0 | 0.00 | | Acceptable | EPA 8082 |
| 8895 | Aroclor 1242 | mg/kg | < 1.0 | 0.00 | | Acceptable | EPA 8082 |
| 8905 | Aroclor 1254 | mg/kg | < 1.0 | 0.00 | | Acceptable | EPA 8082 |
| 8910 | Aroclor 1260 | mg/kg | 21.3 | 22.0 | 4.12 - 31.4 | Acceptable | EPA 8082 |
| ***WP Organochlorine Pesticides*** | | | | | | | |
| 0047 | Aldrin | µg/L | 2.19 | 4.35 | 1.24 - 6.01 | Acceptable | EPA 8081 |
| 7110 | alpha-BHC | µg/L | 7.79 | 14.3 | 6.56 - 19.2 | Acceptable | EPA 8081 |
| 7115 | beta-BHC | µg/L | 3.22 | 6.62 | 2.74 - 9.03 | Acceptable | EPA 8081 |
| 7105 | delta-BHC | µg/L | 3.61 | 8.28 | 3.10 - 11.6 | Acceptable | EPA 8081 |
| 7120 | gamma-BHC(Lindane) | µg/L | 2.82 | 5.38 | 2.17 - 7.47 | Acceptable | EPA 8081 |
| 7240 | alpha-Chlordane | µg/L | 3.40 | 6.49 | 2.92 - 8.75 | Acceptable | EPA 8081 |
| 7245 | gamma-Chlordane | µg/L | 2.48 | 4.82 | 2.00 - 6.59 | Acceptable | EPA 8081 |
| 0049 | 4,4'-DDD | µg/L | 3.51 | 8.09 | 2.96 - 11.5 | Acceptable | EPA 8081 |
| 0050 | 4,4'-DDE | µg/L | 3.73 | 7.95 | 3.54 - 10.2 | Acceptable | EPA 8081 |
| 0051 | 4,4'-DDT | µg/L | 1.25 | 1.16 | 0.441 - 1.81 | Acceptable | EPA 8081 |
| 0048 | Dieldrin | µg/L | 1.02 | 1.02 | 0.442 - 1.48 | Acceptable | EPA 8081 |
| 7540 | Endrin | µg/L | 2.03 | 3.40 | 1.32 - 5.19 | Acceptable | EPA 8081 |
| 7530 | Endrin aldehyde | µg/L | 3.31 | 7.03 | 1.95 - 10.8 | Acceptable | EPA 8081 |
| 7535 | Endrin ketone | µg/L | 3.65 | 7.45 | 4.10 - 10.8 | Not Acceptable | EPA 8081 |
| 7510 | Endosulfan I | µg/L | 5.20 | 10.7 | 3.15 - 15.5 | Acceptable | EPA 8081 |
| 7515 | Endosulfan II | µg/L | 6.81 | 13.3 | 4.09 - 17.6 | Acceptable | EPA 8081 |
| 7520 | Endosulfan sulfate | µg/L | 6.39 | 11.9 | 4.50 - 17.4 | Acceptable | EPA 8081 |
| 0052 | Heptachlor | µg/L | 2.94 | 5.03 | 1.63 - 6.90 | Acceptable | EPA 8081 |
| 0078 | Heptachlor epoxide (beta) | µg/L | 4.02 | 7.54 | 3.76 - 10.5 | Acceptable | EPA 8081 |
| 7810 | Methoxychlor | µg/L | 4.93 | 8.86 | 2.35 - 14.0 | Acceptable | EPA 8081 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | | 0.00 | | Not Reported | |
| 0066 | Ethylbenzene | µg/L | 55.1 | 67.7 | 46.7 - 85.9 | Acceptable | EPA 602 |
| 4835 | Hexachlorobutadiene | µg/L | | 62.6 | 6.26 - 78.1 | Not Reported | |
| 4860 | 2-Hexanone | µg/L | | 70.5 | 35.0 - 103 | Not Reported | |
| 0063 | Methylene chloride | µg/L | | 95.9 | 58.9 - 133 | Not Reported | |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | | 0.00 | | Not Reported | |
| 5005 | Naphthalene | µg/L | | 32.9 | 11.1 - 42.7 | Not Reported | |
| 5100 | Styrene | µg/L | | 0.00 | | Not Reported | |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | | 0.00 | | Not Reported | |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | | 20.9 | 10.6 - 33.1 | Not Reported | |
| 0059 | Tetrachloroethylene | µg/L | | 56.7 | 31.6 - 74.1 | Not Reported | |
| 0067 | Toluene | µg/L | 6.07 | 7.17 | 5.05 - 9.81 | Acceptable | EPA 602 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | | 129 | 29.0 - 153 | Not Reported | |
| 0056 | 1,1,1-Trichloroethane | µg/L | | 76.1 | 47.4 - 99.8 | Not Reported | |
| 5165 | 1,1,2-Trichloroethane | µg/L | | 0.00 | | Not Reported | |
| 0057 | Trichloroethylene | µg/L | | 27.3 | 17.2 - 36.4 | Not Reported | |
| 5175 | Trichlorofluoromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 0.00 | | Not Reported | |
| 5260 | Xylenes, total | µg/L | 141 | 170 | 97.6 - 228 | Acceptable | EPA 602 |
| ***WP PCBs in Water*** | | | | | | | |
| 0040 | Aroclor 1016 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| 8885 | Aroclor 1221 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| 0042 | Aroclor 1232 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| 0040 | Aroclor 1242 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| 0044 | Aroclor 1248 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| 0045 | Aroclor 1254 | µg/L | 3.34 | 3.88 | 1.78 - 5.14 | Acceptable | EPA 8082 |
| 0046 | Aroclor 1260 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 8082 |
| ***WP PCBs in Water*** | | | | | | | |
| 0040 | Aroclor 1016 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |
| 8885 | Aroclor 1221 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |
| 0042 | Aroclor 1232 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |
| 0040 | Aroclor 1242 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |
| 0044 | Aroclor 1248 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |
| 0045 | Aroclor 1254 | µg/L | 3.34 | 3.88 | 1.78 - 5.14 | Acceptable | EPA 608 |
| 0046 | Aroclor 1260 | µg/L | < 0.10 | 0.00 | | Acceptable | EPA 608 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | | 0.00 | | 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 | 84.6 | 109 | 79.9 - 137 | Acceptable | EPA 602 |
| 0060 | Bromodichloromethane | µg/L | | 48.5 | 34.2 - 65.4 | Not Reported | |
| 0062 | Bromoform | µg/L | | 62.0 | 39.9 - 85.4 | Not Reported | |
| 4950 | Bromomethane | µg/L | | 0.00 | | Not Reported | |
| 4410 | 2-Butanone (MEK) | µg/L | | 0.00 | | Not Reported | |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | | 23.8 | 14.0 - 34.9 | Not Reported | |
| 4450 | Carbon disulfide | µg/L | | 0.00 | | Not Reported | |
| 0058 | Carbon tetrachloride | µg/L | | 79.6 | 43.3 - 108 | Not Reported | |
| 0064 | Chlorobenzene | µg/L | 51.3 | 56.9 | 41.0 - 71.4 | Acceptable | EPA 602 |
| 0061 | Chlorodibromomethane | µg/L | | 76.0 | 52.1 - 101 | Not Reported | |
| 4485 | Chloroethane | µg/L | | 0.00 | | Not Reported | |
| 4500 | 2-Chloroethylvinylether | µg/L | | 0.00 | | Not Reported | |
| 0055 | Chloroform | µg/L | | 50.5 | 34.9 - 65.3 | Not Reported | |
| 4960 | Chloromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 0.00 | | Not Reported | |
| 0094 | 1,2-Dichlorobenzene | µg/L | 41.2 | 44.0 | 30.3 - 57.3 | Acceptable | EPA 602 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 35.6 | 39.5 | 26.4 - 50.6 | Acceptable | EPA 602 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 29.2 | 33.7 | 22.5 - 43.1 | Acceptable | EPA 602 |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | | 0.00 | | Not Reported | |
| 4630 | 1,1-Dichloroethane | µg/L | | 19.7 | 13.0 - 26.8 | Not Reported | |
| 0054 | 1,2-Dichloroethane | µg/L | | 60.5 | 42.0 - 79.6 | Not Reported | |
| 4640 | 1,1-Dichloroethylene | µg/L | | 28.0 | 14.7 - 40.9 | Not Reported | |
| 4645 | cis-1,2-Dichloroethylene | µg/L | | 50.1 | 36.0 - 66.6 | Not Reported | |
| 4700 | trans-1,2-Dichloroethylene | µg/L | | 85.2 | 53.3 - 116 | Not Reported | |
| 4655 | 1,2-Dichloropropane | µg/L | | 0.00 | | Not Reported | |
| 4680 | cis-1,3-Dichloropropylene | µg/L | | 28.0 | 19.6 - 36.4 | Not Reported | |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | | 0.00 | | Not Reported | |
| 0066 | Ethylbenzene | µg/L | 55.1 | 67.7 | 46.7 - 85.9 | Acceptable | EPA 8021 |
| 4835 | Hexachlorobutadiene | µg/L | | 62.6 | 6.26 - 78.1 | Not Reported | |
| 4860 | 2-Hexanone | µg/L | | 70.5 | 35.0 - 103 | Not Reported | |
| 0063 | Methylene chloride | µg/L | | 95.9 | 58.9 - 133 | Not Reported | |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | | 0.00 | | Not Reported | |
| 5005 | Naphthalene | µg/L | | 32.9 | 11.1 - 42.7 | Not Reported | |
| 5100 | Styrene | µg/L | | 0.00 | | Not Reported | |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | | 0.00 | | Not Reported | |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | | 20.9 | 10.6 - 33.1 | Not Reported | |
| 0059 | Tetrachloroethylene | µg/L | | 56.7 | 31.6 - 74.1 | Not Reported | |
| 0067 | Toluene | µg/L | 6.07 | 7.17 | 5.05 - 9.81 | Acceptable | EPA 8021 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | | 129 | 29.0 - 153 | Not Reported | |
| 0056 | 1,1,1-Trichloroethane | µg/L | | 76.1 | 47.4 - 99.8 | Not Reported | |
| 5165 | 1,1,2-Trichloroethane | µg/L | | 0.00 | | Not Reported | |
| 0057 | Trichloroethylene | µg/L | | 27.3 | 17.2 - 36.4 | Not Reported | |
| 5175 | Trichlorofluoromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 0.00 | | Not Reported | |
| 5260 | Xylenes, total | µg/L | 141 | 170 | 97.6 - 228 | Acceptable | EPA 8021 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-153 Final Complete Report

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EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | | 0.00 | | 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 | 84.6 | 109 | 79.9 - 137 | Acceptable | EPA 8021 |
| 0060 | Bromodichloromethane | µg/L | | 48.5 | 34.2 - 65.4 | Not Reported | |
| 0062 | Bromoform | µg/L | | 62.0 | 39.9 - 85.4 | Not Reported | |
| 4950 | Bromomethane | µg/L | | 0.00 | | Not Reported | |
| 4410 | 2-Butanone (MEK) | µg/L | | 0.00 | | Not Reported | |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | | 23.8 | 14.0 - 34.9 | Not Reported | |
| 4450 | Carbon disulfide | µg/L | | 0.00 | | Not Reported | |
| 0058 | Carbon tetrachloride | µg/L | | 79.6 | 43.3 - 108 | Not Reported | |
| 0064 | Chlorobenzene | µg/L | 51.3 | 56.9 | 41.0 - 71.4 | Acceptable | EPA 8021 |
| 0061 | Chlorodibromomethane | µg/L | | 76.0 | 52.1 - 101 | Not Reported | |
| 4485 | Chloroethane | µg/L | | 0.00 | | Not Reported | |
| 4500 | 2-Chloroethylvinylether | µg/L | | 0.00 | | Not Reported | |
| 0055 | Chloroform | µg/L | | 50.5 | 34.9 - 65.3 | Not Reported | |
| 4960 | Chloromethane | µg/L | | 0.00 | | Not Reported | |
| 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 | | 0.00 | | Not Reported | |
| 0094 | 1,2-Dichlorobenzene | µg/L | 41.2 | 44.0 | 30.3 - 57.3 | Acceptable | EPA 8021 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 35.6 | 39.5 | 26.4 - 50.6 | Acceptable | EPA 8021 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 29.2 | 33.7 | 22.5 - 43.1 | Acceptable | EPA 8021 |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | | 0.00 | | Not Reported | |
| 4630 | 1,1-Dichloroethane | µg/L | | 19.7 | 13.0 - 26.8 | Not Reported | |
| 0054 | 1,2-Dichloroethane | µg/L | | 60.5 | 42.0 - 79.6 | Not Reported | |
| 4640 | 1,1-Dichloroethylene | µg/L | | 28.0 | 14.7 - 40.9 | Not Reported | |
| 4645 | cis-1,2-Dichloroethylene | µg/L | | 50.1 | 36.0 - 66.6 | Not Reported | |
| 4700 | trans-1,2-Dichloroethylene | µg/L | | 85.2 | 53.3 - 116 | Not Reported | |
| 4655 | 1,2-Dichloropropane | µg/L | | 0.00 | | Not Reported | |
| 4680 | cis-1,3-Dichloropropylene | µg/L | | 28.0 | 19.6 - 36.4 | Not Reported | |



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# WP-153 Final Complete Report

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561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 0066 | Ethylbenzene | µg/L | 63.8 | 67.7 | 46.7 - 85.9 | Acceptable | EPA 624 |
| 4835 | Hexachlorobutadiene | µg/L | 40.5 | 62.6 | 6.26 - 78.1 | Acceptable | EPA 624 |
| 4860 | 2-Hexanone | µg/L | 56.3 | 70.5 | 35.0 - 103 | Acceptable | EPA 624 |
| 0063 | Methylene chloride | µg/L | 103 | 95.9 | 58.9 - 133 | Acceptable | EPA 624 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5005 | Naphthalene | µg/L | 29.9 | 32.9 | 11.1 - 42.7 | Acceptable | EPA 624 |
| 5100 | Styrene | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 21.5 | 20.9 | 10.6 - 33.1 | Acceptable | EPA 624 |
| 0059 | Tetrachloroethylene | µg/L | 44.5 | 56.7 | 31.6 - 74.1 | Acceptable | EPA 624 |
| 0067 | Toluene | µg/L | 7.15 | 7.17 | 5.05 - 9.81 | Acceptable | EPA 624 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 119 | 129 | 29.0 - 153 | Acceptable | EPA 624 |
| 0056 | 1,1,1-Trichloroethane | µg/L | 64.6 | 76.1 | 47.4 - 99.8 | Acceptable | EPA 624 |
| 5165 | 1,1,2-Trichloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 0057 | Trichloroethylene | µg/L | 25.9 | 27.3 | 17.2 - 36.4 | Acceptable | EPA 624 |
| 5175 | Trichlorofluoromethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5225 | Vinyl acetate | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5235 | Vinyl chloride | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5260 | Xylenes, total | µg/L | 164 | 170 | 97.6 - 228 | Acceptable | EPA 624 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 624 |
| 4320 | Acetonitrile | µg/L | | 0.00 | | Not Reported | |
| 4325 | Acrolein | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4340 | Acrylonitrile | µg/L | | 0.00 | | Not Reported | |
| 0065 | Benzene | µg/L | 112 | 109 | 79.9 - 137 | Acceptable | EPA 624 |
| 0060 | Bromodichloromethane | µg/L | 47.1 | 48.5 | 34.2 - 65.4 | Acceptable | EPA 624 |
| 0062 | Bromoform | µg/L | 47.9 | 62.0 | 39.9 - 85.4 | Acceptable | EPA 624 |
| 4950 | Bromomethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4410 | 2-Butanone (MEK) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 24.5 | 23.8 | 14.0 - 34.9 | Acceptable | EPA 624 |
| 4450 | Carbon disulfide | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 624 |
| 0058 | Carbon tetrachloride | µg/L | 57.9 | 79.6 | 43.3 - 108 | Acceptable | EPA 624 |
| 0064 | Chlorobenzene | µg/L | 55.5 | 56.9 | 41.0 - 71.4 | Acceptable | EPA 624 |
| 0061 | Chlorodibromomethane | µg/L | 79.1 | 76.0 | 52.1 - 101 | Acceptable | EPA 624 |
| 4485 | Chloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4500 | 2-Chloroethylvinylether | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 0055 | Chloroform | µg/L | 50.9 | 50.5 | 34.9 - 65.3 | Acceptable | EPA 624 |
| 4960 | Chloromethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4595 | Dibromomethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 0094 | 1,2-Dichlorobenzene | µg/L | 39.2 | 44.0 | 30.3 - 57.3 | Acceptable | EPA 624 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 33.5 | 39.5 | 26.4 - 50.6 | Acceptable | EPA 624 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 29.2 | 33.7 | 22.5 - 43.1 | Acceptable | EPA 624 |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4630 | 1,1-Dichloroethane | µg/L | 19.1 | 19.7 | 13.0 - 26.8 | Acceptable | EPA 624 |
| 0054 | 1,2-Dichloroethane | µg/L | 60.8 | 60.5 | 42.0 - 79.6 | Acceptable | EPA 624 |
| 4640 | 1,1-Dichloroethylene | µg/L | 26.4 | 28.0 | 14.7 - 40.9 | Acceptable | EPA 624 |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 48.2 | 50.1 | 36.0 - 66.6 | Acceptable | EPA 624 |
| 4700 | trans-1,2-Dichloroethylene | µg/L | 87.1 | 85.2 | 53.3 - 116 | Acceptable | EPA 624 |
| 4655 | 1,2-Dichloropropane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 624 |
| 4680 | cis-1,3-Dichloropropylene | µg/L | 23.9 | 28.0 | 19.6 - 36.4 | Acceptable | EPA 624 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles (Continued)*** | | | | | | | |
| 4685 | trans-1,3-Dichloropropylene | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 0066 | Ethylbenzene | µg/L | 63.8 | 67.7 | 46.7 - 85.9 | Acceptable | EPA 8260 |
| 4835 | Hexachlorobutadiene | µg/L | 40.5 | 62.6 | 6.26 - 78.1 | Acceptable | EPA 8260 |
| 4860 | 2-Hexanone | µg/L | 56.3 | 70.5 | 35.0 - 103 | Acceptable | EPA 8260 |
| 0063 | Methylene chloride | µg/L | 103 | 95.9 | 58.9 - 133 | Acceptable | EPA 8260 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5005 | Naphthalene | µg/L | 29.9 | 32.9 | 11.1 - 42.7 | Acceptable | EPA 8260 |
| 5100 | Styrene | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 21.5 | 20.9 | 10.6 - 33.1 | Acceptable | EPA 8260 |
| 0059 | Tetrachloroethylene | µg/L | 44.5 | 56.7 | 31.6 - 74.1 | Acceptable | EPA 8260 |
| 0067 | Toluene | µg/L | 7.15 | 7.17 | 5.05 - 9.81 | Acceptable | EPA 8260 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 119 | 129 | 29.0 - 153 | Acceptable | EPA 8260 |
| 0056 | 1,1,1-Trichloroethane | µg/L | 64.6 | 76.1 | 47.4 - 99.8 | Acceptable | EPA 8260 |
| 5165 | 1,1,2-Trichloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 0057 | Trichloroethylene | µg/L | 25.9 | 27.3 | 17.2 - 36.4 | Acceptable | EPA 8260 |
| 5175 | Trichlorofluoromethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5225 | Vinyl acetate | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5235 | Vinyl chloride | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5260 | Xylenes, total | µg/L | 164 | 170 | 97.6 - 228 | Acceptable | EPA 8260 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-153 Final Complete Report

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EPA ID: FL00449
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Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Volatiles*** | | | | | | | |
| 4315 | Acetone | µg/L | < 5.00 | 0.00 | | Acceptable | EPA 8260 |
| 4320 | Acetonitrile | µg/L | | 0.00 | | Not Reported | |
| 4325 | Acrolein | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4340 | Acrylonitrile | µg/L | | 0.00 | | Not Reported | |
| 0065 | Benzene | µg/L | 112 | 109 | 79.9 - 137 | Acceptable | EPA 8260 |
| 0060 | Bromodichloromethane | µg/L | 47.1 | 48.5 | 34.2 - 65.4 | Acceptable | EPA 8260 |
| 0062 | Bromoform | µg/L | 47.9 | 62.0 | 39.9 - 85.4 | Acceptable | EPA 8260 |
| 4950 | Bromomethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4410 | 2-Butanone (MEK) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 24.5 | 23.8 | 14.0 - 34.9 | Acceptable | EPA 8260 |
| 4450 | Carbon disulfide | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 8260 |
| 0058 | Carbon tetrachloride | µg/L | 57.9 | 79.6 | 43.3 - 108 | Acceptable | EPA 8260 |
| 0064 | Chlorobenzene | µg/L | 55.5 | 56.9 | 41.0 - 71.4 | Acceptable | EPA 8260 |
| 0061 | Chlorodibromomethane | µg/L | 79.1 | 76.0 | 52.1 - 101 | Acceptable | EPA 8260 |
| 4485 | Chloroethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4500 | 2-Chloroethylvinylether | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 0055 | Chloroform | µg/L | 50.9 | 50.5 | 34.9 - 65.3 | Acceptable | EPA 8260 |
| 4960 | Chloromethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4595 | Dibromomethane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 0094 | 1,2-Dichlorobenzene | µg/L | 39.2 | 44.0 | 30.3 - 57.3 | Acceptable | EPA 8260 |
| 0096 | 1,3-Dichlorobenzene | µg/L | 33.5 | 39.5 | 26.4 - 50.6 | Acceptable | EPA 8260 |
| 0095 | 1,4-Dichlorobenzene | µg/L | 29.2 | 33.7 | 22.5 - 43.1 | Acceptable | EPA 8260 |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4630 | 1,1-Dichloroethane | µg/L | 19.1 | 19.7 | 13.0 - 26.8 | Acceptable | EPA 8260 |
| 0054 | 1,2-Dichloroethane | µg/L | 60.8 | 60.5 | 42.0 - 79.6 | Acceptable | EPA 8260 |
| 4640 | 1,1-Dichloroethylene | µg/L | 26.4 | 28.0 | 14.7 - 40.9 | Acceptable | EPA 8260 |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 48.2 | 50.1 | 36.0 - 66.6 | Acceptable | EPA 8260 |
| 4700 | trans-1,2-Dichloroethylene | µg/L | 87.1 | 85.2 | 53.3 - 116 | Acceptable | EPA 8260 |
| 4655 | 1,2-Dichloropropane | µg/L | 0.00 | 0.00 | | Acceptable | EPA 8260 |
| 4680 | cis-1,3-Dichloropropylene | µg/L | 23.9 | 28.0 | 19.6 - 36.4 | Acceptable | EPA 8260 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL
RESOURCE ASSOCIATES®
The Industry Standard™

Study: **WP-153**

ERA Customer Number: **V558901**

Laboratory Name: **Genapure Analytical Service, Inc.**

# Organic Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

# WP-153 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP WP Coliform MicrobE™*** | | | | | | | |
| 2500 | Total Coliforms (MF) | CFU/100mL | 200 | 215 | 78.0 - 595 | Acceptable | SM9222B |
| 2530 | Fecal Coliforms - E.coli (MF) | CFU/100mL | 99 | 126 | 20.0 - 787 | Acceptable | SM9222D |
| 2500 | Total Coliforms (MPN) | MPN/100mL | 348 | 218 | 40.5 - 1170 | Acceptable | SM9221B |
| 2530 | Fecal Coliforms - E.coli (MPN) | MPN/100mL | 348 | 210 | 37.9 - 1160 | Acceptable | SM9221E |
| ***WP Enterococci*** | | | | | | | |
| 2520 | Enterococci (MF) | CFU/100mL | | 74.0 | 36.0 - 156 | Not Reported | |
| 2520 | Enterococci (MPN) | MPN/100mL | | 55.7 | 18.8 - 165 | Not Reported | |
| 2540 | Fecal Streptococci (MF) | CFU/100mL | | 85.0 | 48.0 - 150 | Not Reported | |
| 2540 | Fecal Streptococci (MPN) | MPN/100mL | 141 | 85.5 | 9.99 - 732 | Acceptable | SM 9230 B |



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ENVIRONMENTAL
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Laboratory Name: **Genapure Analytical Service, Inc.**

# Microbiology Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Color*** | | | | | | | |
| 1605 | Color | PC units | 15.0 | 25.0 | 15.0 - 35.0 | Acceptable | EPA 110.2 |
| ***WP Color*** | | | | | | | |
| 1605 | Color | PC units | 15.0 | 25.0 | 15.0 - 35.0 | Acceptable | SM 2120 B |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Turbidity*** | | | | | | | |
| 2055 | Turbidity | NTU | 4.20 | 3.88 | 3.14 - 4.60 | Acceptable | SM 2130 B |
| ***WP Settleable Solids*** | | | | | | | |
| 1965 | Settleable Solids | mL/L | 31.0 | 29.9 | 23.6 - 38.4 | Acceptable | EPA 160.5 |
| ***WP Settleable Solids*** | | | | | | | |
| 1965 | Settleable Solids | mL/L | 31.0 | 29.9 | 23.6 - 38.4 | Acceptable | SM 2540 F |
| ***WP Tin & Titanium*** | | | | | | | |
| 1175 | Tin | µg/L | 2700 | 2670 | 2100 - 3250 | Acceptable | EPA 200.7 |
| 0076 | Titanium | µg/L | 150 | 152 | 130 - 172 | Acceptable | EPA 200.7 |
| ***WP Tin & Titanium*** | | | | | | | |
| 1175 | Tin | µg/L | 2700 | 2670 | 2100 - 3250 | Acceptable | EPA 6010 |
| 0076 | Titanium | µg/L | 150 | 152 | 130 - 172 | Acceptable | EPA 6010 |
| ***WP Sulfide*** | | | | | | | |
| 2005 | Sulfide | mg/L | 3.6 | 2.66 | 0.635 - 4.25 | Acceptable | EPA 376.1 |
| ***WP Sulfide*** | | | | | | | |
| 2005 | Sulfide | mg/L | 3.6 | 2.66 | 0.635 - 4.25 | Acceptable | SM 4500 S2- F |
| ***WP Volatile Solids*** | | | | | | | |
| 1970 | Volatile Solids | mg/L | 299 | 315 | 259 - 351 | Acceptable | EPA 160.4 |
| ***WP Volatile Solids*** | | | | | | | |
| 1970 | Volatile Solids | mg/L | 299 | 315 | 259 - 351 | Acceptable | SM 2540 E |
| ***WP Boron*** | | | | | | | |
| 1025 | Boron | mg/L | 1.43 | 1.46 | 1.21 - 1.68 | Acceptable | EPA 200.7 |
| ***WP Boron*** | | | | | | | |
| 1025 | Boron | mg/L | 1.43 | 1.46 | 1.21 - 1.68 | Acceptable | EPA 6010 |
| ***WP Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants (MBAS) | mg/L | 0.418 | 0.332 | 0.193 - 0.485 | Acceptable | EPA 425.1 |
| ***WP Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants (MBAS) | mg/L | 0.418 | 0.332 | 0.193 - 0.485 | Acceptable | SM 5540 C |
| ***WP Acidity*** | | | | | | | |
| 1500 | Acidity as CaCO3 | mg/L | 1300 | 1350 | 1210 - 1480 | Acceptable | EPA 305.1 |
| ***WP Bromide*** | | | | | | | |
| 1540 | Bromide | mg/L | 1.88 | 2.02 | 1.72 - 2.32 | Acceptable | EPA 300.0 |
| ***WP Bromide*** | | | | | | | |
| 1540 | Bromide | mg/L | 1.88 | 2.02 | 1.72 - 2.32 | Acceptable | EPA 9056 |
| ***WP Silica*** | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 104 | 111 | 83.3 - 139 | Acceptable | EPA 200.7 |
| ***WP Silica*** | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 104 | 111 | 83.3 - 139 | Acceptable | EPA 6010 |



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EPA ID: FL00449
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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | 81.2 | 74.3 | 65.4 - 82.5 | Acceptable | SM 2320 B |
| 0028 | Chloride | mg/L | 56.3 | 59.6 | 50.8 - 68.9 | Acceptable | SM 4500 Cl- E |
| 0020 | Conductivity at 25°C | µmhos/cm | | 449 | 403 - 495 | Not Reported | |
| 0029 | Fluoride | mg/L | 1.43 | 1.41 | 1.11 - 1.71 | Acceptable | EPA 9056 |
| 0026 | Potassium | mg/L | 36.7 | 36.7 | 30.4 - 43.6 | Acceptable | EPA 6010B |
| 0025 | Sodium | mg/L | 70.5 | 71.6 | 60.8 - 82.1 | Acceptable | EPA 6010B |
| 0030 | Sulfate | mg/L | 37.6 | 41.5 | 33.7 - 48.2 | Acceptable | EPA 9056 |
| 0021 | Total Dissolved Solids at 180°C | mg/L | 324 | 326 | 246 - 406 | Acceptable | SM 2540 C |
| 1950 | Total Solids at 105°C | mg/L | 354 | 346 | 304 - 383 | Acceptable | SM 2540 B |
| ***WP Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 74.3 | 65.4 - 82.5 | Not Reported | |
| 0028 | Chloride | mg/L | 56.3 | 59.6 | 50.8 - 68.9 | Acceptable | EPA 9056 |
| 0020 | Conductivity at 25°C | µmhos/cm | | 449 | 403 - 495 | Not Reported | |
| 0029 | Fluoride | mg/L | | 1.41 | 1.11 - 1.71 | Not Reported | |
| 0026 | Potassium | mg/L | | 36.7 | 30.4 - 43.6 | Not Reported | |
| 0025 | Sodium | mg/L | | 71.6 | 60.8 - 82.1 | Not Reported | |
| 0030 | Sulfate | mg/L | | 41.5 | 33.7 - 48.2 | Not Reported | |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 326 | 246 - 406 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | | 346 | 304 - 383 | Not Reported | |
| ***WP Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 74.3 | 65.4 - 82.5 | Not Reported | |
| 0028 | Chloride | mg/L | 58.69 | 59.6 | 50.8 - 68.9 | Acceptable | EPA 325.2 |
| 0020 | Conductivity at 25°C | µmhos/cm | | 449 | 403 - 495 | Not Reported | |
| 0029 | Fluoride | mg/L | | 1.41 | 1.11 - 1.71 | Not Reported | |
| 0026 | Potassium | mg/L | | 36.7 | 30.4 - 43.6 | Not Reported | |
| 0025 | Sodium | mg/L | | 71.6 | 60.8 - 82.1 | Not Reported | |
| 0030 | Sulfate | mg/L | | 41.5 | 33.7 - 48.2 | Not Reported | |
| 0021 | Total Dissolved Solids at 180°C | mg/L | | 326 | 246 - 406 | Not Reported | |
| 1950 | Total Solids at 105°C | mg/L | | 346 | 304 - 383 | Not Reported | |
| ***WP Hexavalent Chromium*** | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 678 | 689 | 562 - 810 | Acceptable | EPA 7196 |
| ***WP Nitrite*** | | | | | | | |
| 1840 | Nitrite as N | mg/L | 3.24 | 3.10 | 2.63 - 3.57 | Acceptable | EPA 300.0 |
| ***WP Nitrite*** | | | | | | | |
| 1840 | Nitrite as N | mg/L | 2.97 | 3.10 | 2.63 - 3.57 | Acceptable | EPA 354.1 |
| ***WP Nitrite*** | | | | | | | |
| 1840 | Nitrite as N | mg/L | 2.97 | 3.10 | 2.63 - 3.57 | Acceptable | SM 4500 NO2- B |
| ***WP Turbidity*** | | | | | | | |
| 2055 | Turbidity | NTU | 4.20 | 3.88 | 3.14 - 4.60 | Acceptable | EPA 180.1 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

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# WP-153 Final Complete Report

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3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/17/07
Study Dates: 10/12/07 - 11/26/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Trace Metals*** | | | | | | | |
| 0001 | Aluminum | µg/L | 1210 | 1320 | 1070 - 1550 | Acceptable | EPA 6010B |
| 0016 | Antimony | µg/L | 290 | 311 | 212 - 377 | Acceptable | EPA 6010B |
| 0002 | Arsenic | µg/L | 640 | 664 | 558 - 777 | Acceptable | EPA 6010B |
| 1015 | Barium | µg/L | 179 | 187 | 162 - 210 | Acceptable | EPA 6010B |
| 0003 | Beryllium | µg/L | 682 | 703 | 598 - 794 | Acceptable | EPA 6010B |
| 1025 | Boron | µg/L | 1380 | 1450 | 1180 - 1690 | Acceptable | EPA 6010B |
| 0004 | Cadmium | µg/L | 327 | 356 | 303 - 405 | Acceptable | EPA 6010B |
| 0006 | Chromium | µg/L | 758 | 794 | 692 - 897 | Acceptable | EPA 6010B |
| 0005 | Cobalt | µg/L | 566 | 568 | 499 - 637 | Acceptable | EPA 6010B |
| 0007 | Copper | µg/L | 520 | 533 | 480 - 586 | Acceptable | EPA 6010B |
| 0008 | Iron | µg/L | 1770 | 1800 | 1590 - 2030 | Acceptable | EPA 6010B |
| 0012 | Lead | µg/L | 1030 | 1040 | 912 - 1160 | Acceptable | EPA 6010B |
| 0010 | Manganese | µg/L | 566 | 577 | 517 - 641 | Acceptable | EPA 6010B |
| 0074 | Molybdenum | µg/L | 474 | 496 | 421 - 566 | Acceptable | EPA 6010B |
| 0011 | Nickel | µg/L | 1280 | 1320 | 1190 - 1470 | Acceptable | EPA 6010B |
| 0013 | Selenium | µg/L | 906 | 975 | 775 - 1130 | Acceptable | EPA 6010B |
| 0017 | Silver | µg/L | 52.4 | 56.4 | 47.7 - 64.9 | Acceptable | EPA 6010B |
| 0075 | Strontium | µg/L | 285 | 293 | 256 - 331 | Acceptable | EPA 6010B |
| 0018 | Thallium | µg/L | 516 | 530 | 427 - 636 | Acceptable | EPA 6010B |
| 0014 | Vanadium | µg/L | 415 | 428 | 374 - 479 | Acceptable | EPA 6010B |
| 0015 | Zinc | µg/L | 585 | 606 | 520 - 698 | Acceptable | EPA 6010B |
| ***WP Mercury*** | | | | | | | |
| 0009 | Mercury | µg/L | 25.7 | 24.1 | 14.8 - 32.5 | Acceptable | EPA 245.1 |
| ***WP Mercury*** | | | | | | | |
| 0009 | Mercury | µg/L | 25.7 | 24.1 | 14.8 - 32.5 | Acceptable | EPA 7470 |
| ***WP Minerals*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | 81.2 | 74.3 | 65.4 - 82.5 | Acceptable | EPA 310.1 |
| 0028 | Chloride | mg/L | 56.3 | 59.6 | 50.8 - 68.9 | Acceptable | EPA 300.0 |
| 0020 | Conductivity at 25°C | µmhos/cm | 449 | 449 | 403 - 495 | Acceptable | EPA 120.1 |
| 0029 | Fluoride | mg/L | 1.43 | 1.41 | 1.11 - 1.71 | Acceptable | EPA 300.0 |
| 0026 | Potassium | mg/L | 36.7 | 36.7 | 30.4 - 43.6 | Acceptable | EPA 200.7 |
| 0025 | Sodium | mg/L | 70.5 | 71.6 | 60.8 - 82.1 | Acceptable | EPA 200.7 |
| 0030 | Sulfate | mg/L | 37.6 | 41.5 | 33.7 - 48.2 | Acceptable | EPA 300.0 |
| 0021 | Total Dissolved Solids at 180°C | mg/L | 324 | 326 | 246 - 406 | Acceptable | EPA 160.1 |
| 1950 | Total Solids at 105°C | mg/L | 354 | 346 | 304 - 383 | Acceptable | EPA 160.3 |



ACCREDITED Lab Code: 1539-01

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EPA ID: FL00449
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Report Issued: 12/17/07
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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Trace Metals*** | | | | | | | |
| 0001 | Aluminum | µg/L | 1210 | 1320 | 1070 - 1550 | Acceptable | EPA 200.7 |
| 0016 | Antimony | µg/L | 290 | 311 | 212 - 377 | Acceptable | EPA 200.7 |
| 0002 | Arsenic | µg/L | 640 | 664 | 558 - 777 | Acceptable | EPA 200.7 |
| 1015 | Barium | µg/L | 179 | 187 | 162 - 210 | Acceptable | EPA 200.7 |
| 0003 | Beryllium | µg/L | 682 | 703 | 598 - 794 | Acceptable | EPA 200.7 |
| 1025 | Boron | µg/L | 1380 | 1450 | 1180 - 1690 | Acceptable | EPA 200.7 |
| 0004 | Cadmium | µg/L | 327 | 356 | 303 - 405 | Acceptable | EPA 200.7 |
| 0006 | Chromium | µg/L | 758 | 794 | 692 - 897 | Acceptable | EPA 200.7 |
| 0005 | Cobalt | µg/L | 566 | 568 | 499 - 637 | Acceptable | EPA 200.7 |
| 0007 | Copper | µg/L | 520 | 533 | 480 - 586 | Acceptable | EPA 200.7 |
| 0008 | Iron | µg/L | 1770 | 1800 | 1590 - 2030 | Acceptable | EPA 200.7 |
| 0012 | Lead | µg/L | 1030 | 1040 | 912 - 1160 | Acceptable | EPA 200.7 |
| 0010 | Manganese | µg/L | 566 | 577 | 517 - 641 | Acceptable | EPA 200.7 |
| 0074 | Molybdenum | µg/L | 474 | 496 | 421 - 566 | Acceptable | EPA 200.7 |
| 0011 | Nickel | µg/L | 1280 | 1320 | 1190 - 1470 | Acceptable | EPA 200.7 |
| 0013 | Selenium | µg/L | 906 | 975 | 775 - 1130 | Acceptable | EPA 200.7 |
| 0017 | Silver | µg/L | 52.4 | 56.4 | 47.7 - 64.9 | Acceptable | EPA 200.7 |
| 0075 | Strontium | µg/L | 285 | 293 | 256 - 331 | Acceptable | EPA 200.7 |
| 0018 | Thallium | µg/L | 516 | 530 | 427 - 636 | Acceptable | EPA 200.7 |
| 0014 | Vanadium | µg/L | 415 | 428 | 374 - 479 | Acceptable | EPA 200.7 |
| 0015 | Zinc | µg/L | 585 | 606 | 520 - 698 | Acceptable | EPA 200.7 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP Simple Nutrients*** | | | | | | | |
| 0031 | Ammonia as N | mg/L | 12.1 | 11.4 | 8.46 - 14.2 | Acceptable | EPA 350.1 |
| 1820 | Nitrate + Nitrite as N | mg/L | 21.1 | 21.5 | 17.5 - 25.0 | Acceptable | EPA 300.0 |
| 0032 | Nitrate as N | mg/L | 21.1 | 21.5 | 16.8 - 25.9 | Acceptable | EPA 300.0 |
| 0033 | ortho-Phosphate as P | mg/L | 3.31 | 3.32 | 2.72 - 3.95 | Acceptable | EPA 365.1 |
| ***WP Simple Nutrients*** | | | | | | | |
| 0031 | Ammonia as N | mg/L | | 11.4 | 8.46 - 14.2 | Not Reported | |
| 1820 | Nitrate + Nitrite as N | mg/L | 22.5 | 21.5 | 17.5 - 25.0 | Acceptable | EPA 353.2 |
| 0032 | Nitrate as N | mg/L | 22.5 | 21.5 | 16.8 - 25.9 | Acceptable | EPA 353.2 |
| 0033 | ortho-Phosphate as P | mg/L | | 3.32 | 2.72 - 3.95 | Not Reported | |
| ***WP Complex Nutrients*** | | | | | | | |
| 0034 | Total Kjeldahl Nitrogen | mg/L | 5.58 | 5.97 | 4.02 - 7.87 | Acceptable | EPA 351.2 |
| 0035 | Total phosphorus as P | mg/L | 1.11 | 1.11 | 0.854 - 1.41 | Acceptable | EPA 365.1 |
| ***WP Total Cyanide*** | | | | | | | |
| 0071 | Cyanide, total | mg/L | 0.210 | 0.272 | 0.130 - 0.421 | Acceptable | EPA 335.3 |
| ***WP Total Cyanide*** | | | | | | | |
| 0071 | Cyanide, total | mg/L | 0.210 | 0.272 | 0.130 - 0.421 | Acceptable | EPA 9012 |
| ***WP Total Cyanide*** | | | | | | | |
| 0071 | Cyanide, total | mg/L | 0.210 | 0.272 | 0.130 - 0.421 | Acceptable | EPA 335.4 |
| ***WP Total Phenolics (4-AAP)*** | | | | | | | |
| 0097 | Phenolics, total | mg/L | 1.80 | 1.59 | 0.877 - 2.30 | Acceptable | EPA 420.2 |
| ***WP Total Phenolics (4-AAP)*** | | | | | | | |
| 0097 | Phenolics, total | mg/L | 1.80 | 1.59 | 0.877 - 2.30 | Acceptable | EPA 9066 |
| ***WP Oil & Grease*** | | | | | | | |
| 0104 | Oil & Grease (Gravimetric) | mg/L | 53.9 | 62.5 | 41.9 - 74.8 | Acceptable | EPA 1664 |
| 1860 | Oil & Grease (Infrared) | mg/L | | 76.9 | 53.1 - 90.7 | Not Reported | |
| ***WP Total Residual Chlorine*** | | | | | | | |
| 0098 | Total Residual Chlorine | mg/L | 1.47 | 1.58 | 1.13 - 1.95 | Acceptable | EPA 330.5 |



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| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WP pH*** | | | | | | | |
| 0019 | pH | S.U. | 8.71 | 8.81 | 8.61 - 9.01 | Acceptable | EPA 150.1 |
| ***WP pH*** | | | | | | | |
| 0019 | pH | S.U. | 8.71 | 8.81 | 8.61 - 9.01 | Acceptable | SM 4500 H+ B |
| ***WP pH*** | | | | | | | |
| 0019 | pH | S.U. | 8.71 | 8.81 | 8.61 - 9.01 | Acceptable | EPA 9040 |
| ***WP Hardness*** | | | | | | | |
| 0072 | Non-Filterable Residue (TSS) | mg/L | 77.0 | 77.3 | 62.9 - 86.2 | Acceptable | SM 2540 D |
| 0023 | Calcium | mg/L | 37.7 | 37.1 | 33.0 - 42.2 | Acceptable | EPA 200.7 |
| 0024 | Magnesium | mg/L | 22.2 | 22.5 | 19.3 - 25.8 | Acceptable | EPA 200.7 |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 94.1 | 92.6 | 82.4 - 105 | Acceptable | EPA 200.7 |
| 0022 | Total Hardness as CaCO3 | mg/L | 186 | 185 | 162 - 212 | Acceptable | SM 2340 B |
| ***WP Hardness*** | | | | | | | |
| 0072 | Non-Filterable Residue (TSS) | mg/L | 77.0 | 77.3 | 62.9 - 86.2 | Acceptable | EPA 160.2 |
| 0023 | Calcium | mg/L | | 37.1 | 33.0 - 42.2 | Not Reported | |
| 0024 | Magnesium | mg/L | | 22.5 | 19.3 - 25.8 | Not Reported | |
| 1550 | Calcium Hardness as CaCO3 | mg/L | | 92.6 | 82.4 - 105 | Not Reported | |
| 0022 | Total Hardness as CaCO3 | mg/L | | 185 | 162 - 212 | Not Reported | |
| ***WP Hardness*** | | | | | | | |
| 0072 | Non-Filterable Residue (TSS) | mg/L | | 77.3 | 62.9 - 86.2 | Not Reported | |
| 0023 | Calcium | mg/L | | 37.1 | 33.0 - 42.2 | Not Reported | |
| 0024 | Magnesium | mg/L | | 22.5 | 19.3 - 25.8 | Not Reported | |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 94.1 | 92.6 | 82.4 - 105 | Acceptable | SM 2340 B |
| 0022 | Total Hardness as CaCO3 | mg/L | | 185 | 162 - 212 | Not Reported | |
| ***WP Demand*** | | | | | | | |
| 0038 | BOD | mg/L | 122 | 109 | 55.0 - 162 | Acceptable | EPA 405.1 |
| 0102 | CBOD | mg/L | | 93.6 | 42.0 - 145 | Not Reported | |
| 0036 | COD | mg/L | 190 | 176 | 136 - 200 | Acceptable | EPA 410.4 |
| 0037 | TOC | mg/L | 58.6 | 69.4 | 58.0 - 79.8 | Acceptable | EPA 9060 |
| ***WP Demand*** | | | | | | | |
| 0038 | BOD | mg/L | 122 | 109 | 55.0 - 162 | Acceptable | SM 5210 B |
| 0102 | CBOD | mg/L | 79 | 93.6 | 42.0 - 145 | Acceptable | SM 5210 B |
| 0036 | COD | mg/L | 190 | 176 | 136 - 200 | Acceptable | HACH 8000 |
| 0037 | TOC | mg/L | 58.6 | 69.4 | 58.0 - 79.8 | Acceptable | EPA 415.1 |
| ***WP Demand*** | | | | | | | |
| 0038 | BOD | mg/L | | 109 | 55.0 - 162 | Not Reported | |
| 0102 | CBOD | mg/L | | 93.6 | 42.0 - 145 | Not Reported | |
| 0036 | COD | mg/L | | 176 | 136 - 200 | Not Reported | |
| 0037 | TOC | mg/L | 58.6 | 69.4 | 58.0 - 79.8 | Acceptable | SM 5310 B |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL
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Study: **WP-153**

ERA Customer Number: **V558901**

Laboratory Name: **Genapure Analytical Service, Inc.**

# Inorganic Results

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# WP-153 Definitions & Study Discussion

**Study Dates: 10/12/07 - 11/26/07**

**Report Issued: 12/17/07**

## 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-153 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-153 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-153 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.

If you have any questions regarding ERA's WatR™Pollution Proficiency Testing program, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

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| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| Alabama | Tom DeLoach / 334-271-7791 | All Analytes |
| Alabama (Micro) | Angelica Webb / 334-260-3461 | All Analytes |
| Florida | Steve Arms / 904-791-1502 | All Analytes |
| Georgia | Loretta Lambert / 404-651-5164 | All Analytes |
| Illinois | Scott Siders / 217-785-5163 | All Analytes |
| Illinois (Micro) | Ruth Bottrell / 217-782-6562 | All Analytes |
| Kansas | Jack McKenzie / 785-296-1639 | All Analytes |
| Kentucky (Micro) | Dr. Ted Pass / 606-783-2962 | All Analytes |
| Louisiana | Paul Bergeron / 225-219-9800 | All Analytes |
| New Jersey | Rachel Ellis / 609-777-1749 | All Analytes |
| North Carolina (WP) | Todd Crawford / 919-733-3908 | All Analytes |
| North Carolina (WS) | Cindy Price / 919-733-7308 | All Analytes |
| Pennsylvania | Aaren Alger / 717-346-8212 | All Analytes |
| South Carolina | Carol Smith / 803-896-0992 | All Analytes |
| Tennessee | Craig LaFever / 615-532-0181 | All Analytes |
| Virginia (WP) | Betsy Ziomek / 804-698-4181 | All Analytes |
| PBSWA | Tom Sirna / 561-640-4000 | All Analytes |
| SFWMD | Sue Farland / 561-681-2500 | All Analytes |

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December 17, 2007

Meegan Dougherty
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431

Enclosed is your final report for ERA's WP-153 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-153 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-153 WatR™Pollution Proficiency Testing study. If you have any questions, please contact myself, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

Sincerely,

Shawn Kassner
Proficiency Testing Manager

Curtis J. Wood
Quality Assurance Director

attachments
smk

6000 West 54th Ave., Arvada, CO 80002 800-372-0122 fax (303) 421-0159 www.eraqc.com

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Meegan Dougherty
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Boca Raton, FL 33431

# WP-153 Final Report

## WatR™ Pollution Proficiency Testing

**WatR™ Pollution Study**

**Open Date: 10/12/07**

**Close Date: 11/26/07**

**Report Issued Date: 12/17/07**

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WS-135 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Unregulated Volatiles*** | | | | | | | |
| 0067 | Bromobenzene | µg/L | 37.2 | 35.2 | 28.2 - 42.2 | Acceptable | EPA 524.2 |
| 0089 | Bromochloromethane | µg/L | 5.74 | 5.74 | 3.44 - 8.04 | Acceptable | EPA 524.2 |
| 0069 | Bromomethane | µg/L | < 0.23 | 0.00 | | Acceptable | EPA 524.2 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 9.60 | 9.74 | 5.84 - 13.6 | Acceptable | EPA 524.2 |
| 0079 | n-Butylbenzene | µg/L | 37.2 | 31.2 | 25.0 - 37.4 | Acceptable | EPA 524.2 |
| 0086 | sec-Butylbenzene | µg/L | < 1.00 | 0.00 | | Acceptable | EPA 524.2 |
| 0085 | tert-Butylbenzene | µg/L | 10.7 | 9.61 | 5.77 - 13.4 | Acceptable | EPA 524.2 |
| 0070 | Chloroethane | µg/L | 21.7 | 20.0 | 12.0 - 28.0 | Acceptable | EPA 524.2 |
| 0068 | Chloromethane | µg/L | < 0.44 | 0.00 | | Acceptable | EPA 524.2 |
| 0071 | 2-Chlorotoluene | µg/L | 20.2 | 17.8 | 14.2 - 21.4 | Acceptable | EPA 524.2 |
| 0072 | 4-Chlorotoluene | µg/L | 7.07 | 7.14 | 4.28 - 10.0 | Acceptable | EPA 524.2 |
| 0057 | Dibromomethane | µg/L | 19.6 | 18.2 | 14.6 - 21.8 | Acceptable | EPA 524.2 |
| 0066 | 1,3-Dichlorobenzene | µg/L | 9.47 | 8.72 | 5.23 - 12.2 | Acceptable | EPA 524.2 |
| 0088 | Dichlorodifluoromethane (Freon 12) | µg/L | < 0.44 | 0.00 | | Acceptable | EPA 524.2 |
| 0056 | 1,1-Dichloroethane | µg/L | 19.8 | 18.7 | 15.0 - 22.4 | Acceptable | EPA 524.2 |
| 0059 | 1,3-Dichloropropane | µg/L | 48.7 | 47.8 | 38.2 - 57.4 | Acceptable | EPA 524.2 |
| 0060 | 2,2-Dichloropropane | µg/L | < 0.16 | 0.00 | | Acceptable | EPA 524.2 |
| 0058 | 1,1-Dichloropropene | µg/L | 7.00 | 7.34 | 4.40 - 10.3 | Acceptable | EPA 524.2 |
| 0152 | cis-1,3-Dichloropropene | µg/L | < 0.13 | 0.00 | | Acceptable | EPA 524.2 |
| 0153 | trans-1,3-Dichloropropene | µg/L | < 0.23 | 0.00 | | Acceptable | EPA 524.2 |
| 0087 | Fluorotrichloromethane | µg/L | < 0.11 | 0.00 | | Acceptable | EPA 524.2 |
| 0081 | Hexachlorobutadiene | µg/L | 12.6 | 12.0 | 7.20 - 16.8 | Acceptable | EPA 524.2 |
| 0084 | Isopropylbenzene | µg/L | < 0.06 | 0.00 | | Acceptable | EPA 524.2 |
| 0083 | 4-Isopropyltoluene | µg/L | 15.0 | 12.5 | 7.50 - 17.5 | Acceptable | EPA 524.2 |
| 5005 | Naphthalene | µg/L | < 0.14 | 0.00 | | Acceptable | EPA 524.2 |
| 0078 | n-Propylbenzene | µg/L | 20.2 | 18.2 | 14.6 - 21.8 | Acceptable | EPA 524.2 |
| 0063 | 1,1,1,2-Tetrachloroethane | µg/L | < 0.08 | 0.00 | | Acceptable | EPA 524.2 |
| 0065 | 1,1,2,2-Tetrachloroethane | µg/L | 31.2 | 33.5 | 26.8 - 40.2 | Acceptable | EPA 524.2 |
| 0077 | 1,2,3-Trichlorobenzene | µg/L | 7.93 | 8.51 | 5.11 - 11.9 | Acceptable | EPA 524.2 |
| 0064 | 1,2,3-Trichloropropane (TCP) | µg/L | 7.94 | 23.4 | 18.7 - 28.1 | Not Acceptable | EPA 524.2 |
| 0075 | 1,2,4-Trimethylbenzene | µg/L | 37.4 | 29.9 | 23.9 - 35.9 | Not Acceptable | EPA 524.2 |
| 0082 | 1,3,5-Trimethylbenzene | µg/L | 23.5 | 19.6 | 15.7 - 23.5 | Acceptable | EPA 524.2 |
| ***WS EDB/DBCP/TCP*** | | | | | | | |
| 0045 | Dibromochloropropane (DBCP) | µg/L | 1.84 | 1.97 | 1.18 - 2.76 | Acceptable | EPA 504.1 |
| 0046 | Ethylene Dibromide (EDB) | µg/L | 0.545 | 0.636 | 0.382 - 0.890 | Acceptable | EPA 504.1 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 1.18 | 1.17 | 0.702 - 1.64 | Acceptable | EPA 504.1 |
| ***WS EDB/DBCP/TCP*** | | | | | | | |
| 0045 | Dibromochloropropane (DBCP) | µg/L | 1.86 | 1.97 | 1.18 - 2.76 | Acceptable | EPA 8011 |
| 0046 | Ethylene Dibromide (EDB) | µg/L | 0.533 | 0.636 | 0.382 - [illegible] | Acceptable | EPA 8011 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | | 1.17 | 0.702 - 1.64 | Not Reported | |



ACCREDITED Lab Code: 1539-01
All analytes a[illegible]ed in ERA's A2LA accreditation. Lab Code: 1539-01

# WS-135 Final Complete Report

ENVIRONMENTAL RESOURCE ASSOCIATES®
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Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Regulated Volatiles*** | | | | | | | |
| 0039 | Benzene | µg/L | 17.0 | 19.0 | 15.2 - 22.8 | Acceptable | EPA 524.2 |
| 0037 | Carbon tetrachloride | µg/L | 10.2 | 9.44 | 5.66 - 13.2 | Acceptable | EPA 524.2 |
| 0049 | Chlorobenzene | µg/L | 14.0 | 15.5 | 12.4 - 18.6 | Acceptable | EPA 524.2 |
| 0054 | 1,2-Dichlorobenzene | µg/L | 6.76 | 7.33 | 4.40 - 10.3 | Acceptable | EPA 524.2 |
| 0041 | 1,4-Dichlorobenzene | µg/L | 4.57 | 5.36 | 3.22 - 7.50 | Acceptable | EPA 524.2 |
| 0035 | 1,2-Dichloroethane | µg/L | 13.7 | 13.6 | 10.9 - 16.3 | Acceptable | EPA 524.2 |
| 0034 | 1,1-Dichloroethylene | µg/L | 9.41 | 9.32 | 5.59 - 13.0 | Acceptable | EPA 524.2 |
| 0043 | cis-1,2-Dichloroethylene | µg/L | 19.6 | 21.1 | 16.9 - 25.3 | Acceptable | EPA 524.2 |
| 0042 | trans-1,2-Dichloroethylene | µg/L | 34.1 | 35.7 | 28.6 - 42.8 | Acceptable | EPA 524.2 |
| 0044 | 1,2-Dichloropropane | µg/L | 6.91 | 8.19 | 4.91 - 11.5 | Acceptable | EPA 524.2 |
| 0048 | Ethylbenzene | µg/L | 12.9 | 13.3 | 10.6 - 16.0 | Acceptable | EPA 524.2 |
| 0055 | Methylene chloride (Dichloromethane) | µg/L | 7.49 | 8.20 | 4.92 - 11.5 | Acceptable | EPA 524.2 |
| 0053 | Styrene | µg/L | 4.84 | 5.37 | 3.22 - 7.52 | Acceptable | EPA 524.2 |
| 0040 | Tetrachloroethylene | µg/L | 11.6 | 12.4 | 9.92 - 14.9 | Acceptable | EPA 524.2 |
| 0047 | Toluene | µg/L | 3.12 | 3.73 | 2.24 - 5.22 | Acceptable | EPA 524.2 |
| 0076 | 1,2,4-Trichlorobenzene | µg/L | 7.50 | 10.3 | 8.24 - 12.4 | Not Acceptable | EPA 524.2 |
| 0036 | 1,1,1-Trichloroethane | µg/L | 18.4 | 17.7 | 14.2 - 21.2 | Acceptable | EPA 524.2 |
| 0061 | 1,1,2-Trichloroethane | µg/L | 5.67 | 6.71 | 4.03 - 9.39 | Acceptable | EPA 524.2 |
| 0038 | Trichloroethylene | µg/L | 14.7 | 15.9 | 12.7 - 19.1 | Acceptable | EPA 524.2 |
| 0032 | Vinyl chloride | µg/L | 19.2 | 19.7 | 11.8 - 27.6 | Acceptable | EPA 524.2 |
| 0090 | Xylenes, total | µg/L | 30.7 | 32.7 | 26.2 - 39.2 | Acceptable | EPA 524.2 |
| ***WS Halomethanes (THMs)*** | | | | | | | |
| 0019 | Bromodichloromethane | µg/L | 54.4 | 47.6 | 38.1 - 57.1 | Acceptable | EPA 524.2 |
| 0018 | Bromoform | µg/L | 19.0 | 24.8 | 19.8 - 29.8 | Not Acceptable | EPA 524.2 |
| 0020 | Chlorodibromomethane | µg/L | 37.4 | 33.8 | 27.0 - 40.6 | Acceptable | EPA 524.2 |
| 0017 | Chloroform | µg/L | 38.9 | 35.4 | 28.3 - 42.5 | Acceptable | EPA 524.2 |



All analytes a ·ed in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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Study: **WS-135**

ERA Customer Number: **V558901**

Laboratory Name: **Genapure Analytical Service, Inc.**

# Organic Results

# WS-135 Final Complete Report

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms)*** | | | | | | | |
| 0254 | Total Coliforms - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 2 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 3 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 4 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 5 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 6 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 7 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 8 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 9 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9223B |
| 0254 | Total Coliforms - Sample 10 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9223B |
| 0255 | Fecal/E.coli Coliforms - Sample 1 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 2 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 3 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 4 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 5 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 6 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 7 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 8 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 9 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 10 | CFU/100mL | | Absence | Absence | Not Reported | |

## Total Coliforms Evaluation : Not Acceptable

## Fecal/E.coli Coliforms Evaluation : Not Reported

**Definitions:**

**Assigned Value:** 'Presence' indicates organisms of the coliform group are present in the sample.
'Absence' indicates organisms of the coliform group are not present in the sample as defined by standard water testing methods.

Fecal Coliform Organism - Escherichia coli, Samples 2, 5 and 6
Total Coliform Organism - Enterobacter cloacae, Samples 3, 4 and 7
Negative (1) Coliform Organism - Proteus mirabilis, Sample 10
Negative (2) Coliform Organism - Pseudomonas aeruginosa, Sample 8
Blank - No Organism, Samples 1 and 9



All analytes are [illegible]d in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WS-135 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms)*** | | | | | | | |
| 0254 | Total Coliforms - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 2 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 3 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 4 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 5 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 6 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 7 | CFU/100mL | Absence | Presence | Presence | Not Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 8 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 9 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222D |
| 0254 | Total Coliforms - Sample 10 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222D |
| 0255 | Fecal/E.coli Coliforms - Sample 1 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 2 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 3 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 4 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 5 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 6 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 7 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 8 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 9 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 10 | CFU/100mL | | Absence | Absence | Not Reported | |

## Total Coliforms Evaluation : Not Acceptable

## Fecal/E.coli Coliforms Evaluation : Not Reported

**Definitions:**

**Assigned Value:** 'Presence' indicates organisms of the coliform group are present in the sample.
'Absence' indicates organisms of the coliform group are not present in the sample as defined by standard water testing methods.

Fecal Coliform Organism - Escherichia coli, Samples 2, 5 and 6
Total Coliform Organism - Enterobacter cloacae, Samples 3, 4 and 7
Negative (1) Coliform Organism - Proteus mirabilis, Sample 10
Negative (2) Coliform Organism - Pseudomonas aeruginosa, Sample 8
Blank - No Organism, Samples 1 and 9



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

# WS-135 Final Complete Report

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms)*** | | | | | | | |
| 0254 | Total Coliforms - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 2 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 3 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 4 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 5 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 6 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 7 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 8 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 9 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222B |
| 0254 | Total Coliforms - Sample 10 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM9222B |
| 0255 | Fecal/E.coli Coliforms - Sample 1 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 2 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 3 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 4 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 5 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 6 | CFU/100mL | | Presence | Presence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 7 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 8 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 9 | CFU/100mL | | Absence | Absence | Not Reported | |
| 0255 | Fecal/E.coli Coliforms - Sample 10 | CFU/100mL | | Absence | Absence | Not Reported | |

## Total Coliforms Evaluation : Acceptable

## Fecal/E.coli Coliforms Evaluation : Not Reported

**Definitions:**

**Assigned Value:** 'Presence' indicates organisms of the coliform group are present in the sample.
'Absence' indicates organisms of the coliform group are not present in the sample as defined by standard water testing methods.

Fecal Coliform Organism - Escherichia coli, Samples 2, 5 and 6
Total Coliform Organism - Enterobacter cloacae, Samples 3, 4 and 7
Negative (1) Coliform Organism - Proteus mirabilis, Sample 10
Negative (2) Coliform Organism - Pseudomonas aeruginosa, Sample 8
Blank - No Organism, Samples 1 and 9



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WS-135 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Heterotrophic Plate Count*** | | | | | | | |
| 2555 | Heterotrophic Plate Count | CFU/mL | | 64.0 | 46.0 - 88.0 | Not Reported | |
| 2555 | Heterotrophic Plate Count (MPN) | MPN/mL | 51 | 56.4 | 28.2 - 113 | Acceptable | Idexx Simplate |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

Study: **WS-135**

ERA Customer Number: **V558901**

Laboratory Name: **Genapure Analytical Service, Inc.**

# Microbiology Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

# WS-135 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Turbidity*** | | | | | | | |
| 0023 | Turbidity | NTU | 4.60 | 4.29 | 3.76 - 5.13 | Acceptable | SM 2130 B |
| ***WS Residual Chlorine*** | | | | | | | |
| 0022 | Free Residual Chlorine | mg/L | 1.83 | 2.11 | 1.73 - 2.49 | Acceptable | EPA 330.5 |
| 1940 | Total Residual Chlorine | mg/L | 1.82 | 2.11 | 1.79 - 2.42 | Acceptable | EPA 330.5 |
| ***WS Nitrite*** | | | | | | | |
| 0092 | Nitrite as N | mg/L | 1.49 | 1.49 | 1.27 - 1.71 | Acceptable | EPA 300.0 |
| ***WS Nitrite*** | | | | | | | |
| 0092 | Nitrite as N | mg/L | 1.38 | 1.49 | 1.27 - 1.71 | Acceptable | EPA 353.2 |
| ***WS o-Phosphate Nutrients*** | | | | | | | |
| 0261 | ortho-Phosphate as P | mg/L | 1.26 | 1.30 | 1.12 - 1.50 | Acceptable | EPA 365.1 |
| ***WS Cyanide*** | | | | | | | |
| 0146 | Cyanide | mg/L | 0.280 | 0.382 | 0.286 - 0.478 | Not Acceptable | EPA 335.4 |
| ***WS Organic Carbon*** | | | | | | | |
| 1710 | Dissolved Organic Carbon (DOC) | mg/L | 2.61 | 2.82 | 2.32 - 3.36 | Acceptable | EPA 415.1 |
| 0263 | Total Organic Carbon (TOC) | mg/L | 2.98 | 2.82 | 2.32 - 3.36 | Acceptable | EPA 415.1 |
| ***WS Bromide, Bromate & Chlorate*** | | | | | | | |
| 0193 | Bromate | µg/L | | 38.1 | 26.7 - 49.5 | Not Reported | |
| 0260 | Bromide | µg/L | 278 | 439 | 341 - 542 | Not Acceptable | EPA 300.0 |
| 0194 | Chlorate | µg/L | | 123 | 100 - 142 | Not Reported | |
| ***WS Hardness*** | | | | | | | |
| 1035 | Calcium | mg/L | 81.5 | 82.4 | 73.4 - 90.8 | Acceptable | EPA 200.7 |
| 1085 | Magnesium | mg/L | 6.83 | 6.96 | 6.23 - 7.83 | Acceptable | EPA 200.7 |
| 0029 | Sodium | mg/L | 16.4 | 16.3 | 14.3 - 18.0 | Acceptable | EPA 200.7 |
| 0025 | Calcium Hardness as CaCO3 | mg/L | 204 | 206 | 183 - 227 | Acceptable | SM 2340 B |
| 1755 | Total Hardness as CaCO3 | mg/L | 232 | 234 | 209 - 259 | Acceptable | SM 2340 B |
| ***WS Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants - MBAS | mg/L | 0.539 | 0.344 | 0.266 - 0.423 | Not Acceptable | EPA 425.1 |
| ***WS Surfactants - MBAS*** | | | | | | | |
| 2025 | Surfactants - MBAS | mg/L | 0.539 | 0.344 | 0.266 - 0.423 | Not Acceptable | SM 5540 C |
| ***WS Silica*** | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 38.7 | 39.9 | 33.9 - 45.9 | Acceptable | EPA 200.7 |
| ***WS Hexavalent Chromium*** | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 19.3 | 20.9 | 18.8 - 23.0 | Acceptable | EPA 7196A |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

# WS-135 Final Complete Report

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Mercury*** | | | | | | | |
| 0006 | Mercury | µg/L | 3.75 | 3.47 | 2.43 - 4.51 | Acceptable | EPA 200.8 |
| ***WS Mercury*** | | | | | | | |
| 0006 | Mercury | µg/L | 3.70 | 3.47 | 2.43 - 4.51 | Acceptable | EPA 245.1 |
| ***WS pH*** | | | | | | | |
| 0026 | pH | S.U. | 5.22 | 5.30 | 5.10 - 5.50 | Acceptable | EPA 150.1 |
| ***WS pH*** | | | | | | | |
| 0026 | pH | S.U. | 5.22 | 5.30 | 5.10 - 5.50 | Acceptable | SM 4500 H+ B |
| ***WS Inorganics*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | 60.0 | 29.8 | 26.8 - 33.8 | Not Acceptable | EPA 310.1 |
| 1575 | Chloride | mg/L | 37.9 | 40.9 | 36.7 - 45.3 | Acceptable | EPA 300.0 |
| 1610 | Conductivity at 25°C | µmhos/cm | 423 | 439 | 395 - 483 | Acceptable | EPA 120.1 |
| 0010 | Fluoride | mg/L | 5.69 | 5.54 | 4.99 - 6.09 | Acceptable | EPA 300.0 |
| 1820 | Nitrate + Nitrite as N | mg/L | 4.05 | 3.97 | 3.51 - 4.37 | Acceptable | EPA 353.2 |
| 0009 | Nitrate as N | mg/L | 4.05 | 3.97 | 3.57 - 4.37 | Acceptable | EPA 353.2 |
| 1125 | Potassium | mg/L | 22.4 | 22.5 | 19.4 - 25.9 | Acceptable | EPA 200.7 |
| 0145 | Sulfate | mg/L | 66.5 | 74.8 | 65.4 - 83.8 | Acceptable | EPA 300.0 |
| 0024 | Total Dissolved Solids at 180°C | mg/L | 293 | 278 | 183 - 373 | Acceptable | EPA 160.1 |
| ***WS Inorganics*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 29.8 | 26.8 - 33.8 | Not Reported | |
| 1575 | Chloride | mg/L | 41.7 | 40.9 | 36.7 - 45.3 | Acceptable | EPA 325.2 |
| 1610 | Conductivity at 25°C | µmhos/cm | | 439 | 395 - 483 | Not Reported | |
| 0010 | Fluoride | mg/L | | 5.54 | 4.99 - 6.09 | Not Reported | |
| 1820 | Nitrate + Nitrite as N | mg/L | 3.81 | 3.97 | 3.51 - 4.37 | Acceptable | EPA 300.0 |
| 0009 | Nitrate as N | mg/L | 3.81 | 3.97 | 3.57 - 4.37 | Acceptable | EPA 300.0 |
| 1125 | Potassium | mg/L | | 22.5 | 19.4 - 25.9 | Not Reported | |
| 0145 | Sulfate | mg/L | | 74.8 | 65.4 - 83.8 | Not Reported | |
| 0024 | Total Dissolved Solids at 180°C | mg/L | 293 | 278 | 183 - 373 | Acceptable | SM 2540 C |
| ***WS Inorganics*** | | | | | | | |
| 0027 | Alkalinity as CaCO3 | mg/L | | 29.8 | 26.8 - 33.8 | Not Reported | |
| 1575 | Chloride | mg/L | 41.7 | 40.9 | 36.7 - 45.3 | Acceptable | SM 2320 B |
| 1610 | Conductivity at 25°C | µmhos/cm | | 439 | 395 - 483 | Not Reported | |
| 0010 | Fluoride | mg/L | | 5.54 | 4.99 - 6.09 | Not Reported | |
| 1820 | Nitrate + Nitrite as N | mg/L | | 3.97 | 3.51 - 4.37 | Not Reported | |
| 0009 | Nitrate as N | mg/L | | 3.97 | 3.57 - 4.37 | Not Reported | |
| 1125 | Potassium | mg/L | | 22.5 | 19.4 - 25.9 | Not Reported | |
| 0145 | Sulfate | mg/L | | 74.8 | 65.4 - 83.8 | Not Reported | |
| 0024 | Total Dissolved Solids at 180°C | mg/L | | 278 | 183 - 373 | Not Reported | |
| ***WS Turbidity*** | | | | | | | |
| 0023 | Turbidity | NTU | 4.60 | 4.29 | 3.76 - 5.13 | Acceptable | EPA 180.1 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WS-135 Final Complete Report

Meegan Dougherty
Quality Assurance Officer
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431
561-447-7373

EPA ID: FL00449
ERA Customer Number: V558901
Report Issued: 12/10/07
Study Dates: 10/05/07 - 11/19/07

| Anal. No. | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Metals*** | | | | | | | |
| 1000 | Aluminum | µg/L | 674 | 620 | 527 - 702 | Acceptable | EPA 200.8 |
| 0140 | Antimony | µg/L | 13.0 | 12.9 | 9.03 - 16.8 | Acceptable | EPA 200.8 |
| 0001 | Arsenic | µg/L | 35.4 | 37.7 | 26.4 - 49.0 | Acceptable | EPA 200.8 |
| 0002 | Barium | µg/L | 917 | 923 | 784 - 1060 | Acceptable | EPA 200.8 |
| 0141 | Beryllium | µg/L | 6.38 | 6.64 | 5.64 - 7.64 | Acceptable | EPA 200.8 |
| 0226 | Boron | µg/L | 1656 | 1680 | 1470 - 1860 | Acceptable | EPA 200.8 |
| 0003 | Cadmium | µg/L | 40.9 | 45.0 | 36.0 - 54.0 | Acceptable | EPA 200.8 |
| 0004 | Chromium | µg/L | 148 | 148 | 126 - 170 | Acceptable | EPA 200.8 |
| 0091 | Copper | µg/L | 967 | 963 | 867 - 1060 | Acceptable | EPA 200.8 |
| 1070 | Iron | µg/L | 620 | 570 | 500 - 631 | Acceptable | EPA 200.8 |
| 0005 | Lead | µg/L | 22.6 | 21.3 | 14.9 - 27.7 | Acceptable | EPA 200.8 |
| 0236 | Manganese | µg/L | 806 | 792 | 713 - 871 | Acceptable | EPA 200.8 |
| 0237 | Molybdenum | µg/L | 107 | 105 | 91.4 - 116 | Acceptable | EPA 200.8 |
| 0142 | Nickel | µg/L | 126 | 122 | 104 - 140 | Acceptable | EPA 200.8 |
| 0007 | Selenium | µg/L | 66.3 | 72.4 | 57.9 - 86.9 | Acceptable | EPA 200.8 |
| 1150 | Silver | µg/L | 223 | 240 | 212 - 265 | Acceptable | EPA 200.8 |
| 0143 | Thallium | µg/L | 5.77 | 4.69 | 3.28 - 6.10 | Acceptable | EPA 200.8 |
| 1185 | Vanadium | µg/L | 673 | 665 | 598 - 732 | Acceptable | EPA 200.8 |
| 0239 | Zinc | µg/L | 1011 | 1070 | 963 - 1180 | Acceptable | EPA 200.8 |
| ***WS Metals*** | | | | | | | |
| 1000 | Aluminum | µg/L | 569 | 620 | 527 - 702 | Acceptable | EPA 200.7 |
| 0140 | Antimony | µg/L | 13.7 | 12.9 | 9.03 - 16.8 | Acceptable | EPA 200.7 |
| 0001 | Arsenic | µg/L | 34.6 | 37.7 | 26.4 - 49.0 | Acceptable | EPA 200.7 |
| 0002 | Barium | µg/L | 925 | 923 | 784 - 1060 | Acceptable | EPA 200.7 |
| 0141 | Beryllium | µg/L | 6.20 | 6.64 | 5.64 - 7.64 | Acceptable | EPA 200.7 |
| 0226 | Boron | µg/L | 1660 | 1680 | 1470 - 1860 | Acceptable | EPA 200.7 |
| 0003 | Cadmium | µg/L | 43.1 | 45.0 | 36.0 - 54.0 | Acceptable | EPA 200.7 |
| 0004 | Chromium | µg/L | 153 | 148 | 126 - 170 | Acceptable | EPA 200.7 |
| 0091 | Copper | µg/L | 974 | 963 | 867 - 1060 | Acceptable | EPA 200.7 |
| 1070 | Iron | µg/L | 580 | 570 | 500 - 631 | Acceptable | EPA 200.7 |
| 0005 | Lead | µg/L | 23.0 | 21.3 | 14.9 - 27.7 | Acceptable | EPA 200.7 |
| 0236 | Manganese | µg/L | 807 | 792 | 713 - 871 | Acceptable | EPA 200.7 |
| 0237 | Molybdenum | µg/L | 105 | 105 | 91.4 - 116 | Acceptable | EPA 200.7 |
| 0142 | Nickel | µg/L | 121 | 122 | 104 - 140 | Acceptable | EPA 200.7 |
| 0007 | Selenium | µg/L | 71.6 | 72.4 | 57.9 - 86.9 | Acceptable | EPA 200.7 |
| 1150 | Silver | µg/L | 238 | 240 | 212 - 265 | Acceptable | EPA 200.7 |
| 0143 | Thallium | µg/L | 5.98 | 4.69 | 3.28 - 6.10 | Acceptable | EPA 200.7 |
| 1185 | Vanadium | µg/L | 661 | 665 | 598 - 732 | Acceptable | EPA 200.7 |
| 0239 | Zinc | µg/L | 1080 | 1070 | 963 - 1180 | Acceptable | EPA 200.7 |



All analytes are included in ERA's A2LA accreditation. Lab Code: 1539-01

ENVIRONMENTAL RESOURCE ASSOCIATES®
The Industry Standard™

Study: **WS-135**

ERA Customer Number: **V558901**

Laboratory Name: **Genapure Analytical Service, Inc.**

# Inorganic Results

ENVIRONMENTAL RESOURCE ASSOCIATES®
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# WS-135 Definitions & Study Discussion

**Study Dates: 10/05/07 - 11/19/07**

**Report Issued: 12/10/07**

## WS 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 USEPA/NELAC FoPT tables, June 2005, 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.

## WS Study Discussion

ERA's WS-135 WatR™Supply 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 WS-135 WatR™Supply 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 in the standards 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 NELAC FoPT tables, June 2005.

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 WS-135 WatR™Supply 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.

If you have any questions regarding ERA's WatR™Supply Proficiency Testing program, please contact Shawn Kassner, Proficiency Testing Manager, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

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| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| Alabama | Tom DeLoach / 334-271-7791 | All Analytes |
| Alabama (Micro) | Angelica Webb / 334-260-3461 | All Analytes |
| Florida | Steve Arms / 904-791-1502 | All Analytes |
| Georgia | Loretta Lambert / 404-651-5164 | All Analytes |
| Illinois | Scott Siders / 217-785-5163 | All Analytes |
| Illinois (Micro) | Ruth Bottrell / 217-782-6562 | All Analytes |
| Kansas | Jack McKenzie / 785-296-1639 | All Analytes |
| Kentucky | Becky Pittman / 502-564-6120 | All Analytes |
| Kentucky (Micro) | Dr. Ted Pass / 606-783-2962 | All Analytes |
| Louisiana (Micro) | Ginger Hutto / 985-748-2011 | All Analytes |
| Louisiana (WS) | Louis Wales / 504-219-4662 | All Analytes |
| New Jersey | Rachel Ellis / 609-777-1749 | All Analytes |
| North Carolina (WS) | Cindy Price / 919-733-7308 | All Analytes |
| Pennsylvania | Aaren Alger / 717-346-8212 | All Analytes |
| South Carolina | Carol Smith / 803-896-0992 | All Analytes |
| Tennessee | Craig LaFever / 615-532-0181 | All Analytes |
| Virginia (WS) | Kay J. Smith / 804-648-4480 ext 382 | All Analytes |
| PBSWA | Tom Sirna / 561-640-4000 | All Analytes |
| SFWMD | Sue Farland / 561-681-2500 | All Analytes |

ENVIRONMENTAL
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The Industry Standard™

December 10, 2007

Meegan Dougherty
Genapure Analytical Service, Inc.
3231 NW 7th Avenue
Boca Raton, FL 33431

Enclosed is your final report for ERA's WS-135 WatR™Supply 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 WS-135 WatR™Supply Proficiency Testing (PT) 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 WS-135 WatR™Supply Proficiency Testing study. If you have any questions, please contact myself, or Curtis Wood, Quality Assurance Director, at 1-800-372-0122.

Sincerely,

Shawn Kassner

Shawn Kassner
Proficiency Testing Manager

Curtis J. Wood

Curtis J. Wood
Quality Assurance Director

attachments
smk

6000 West 54th Ave., Arvada, CO 80002 800-372-0122 fax (303) 421-0159 www.eraqc.com

wibby environmental

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Certificate # 2427.01

6390 Joyce Drive
# 100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

# Final Report - Water Supply Proficiency Testing

## Study: WS1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Unregulated Volatiles (PT-UNRVOA-WS) cont'd** — Lot #: 9034-22

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 5215 | 1,3,5-Trimethylbenzene | | EPA 524.2 | µg/L | 0.00 | <5.00 | | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 5005 | Naphthalene | | EPA 524.2 | µg/L | 32.7 | 33.1 | 19.6 - 45.8 | Acceptable |

**Trihalomethanes (PT-THM-WS)** — Lot #: 9034-23B

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4395 | Bromodichloromethane | | EPA 524.2 | µg/L | 27.3 | 26.9 | 21.8 - 32.8 | Acceptable |
| 4400 | Bromoform | | EPA 524.2 | µg/L | 21.8 | 20.8 | 17.4 - 26.2 | Acceptable |
| 4575 | Chlorodibromomethane | | EPA 524.2 | µg/L | 32.8 | 31.2 | 26.2 - 39.4 | Acceptable |
| 4505 | Chloroform | | EPA 524.2 | µg/L | 40.3 | 40.9 | 32.2 - 48.4 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | |
| 5205 | Total Trihalomethanes | | EPA 524.2 | µg/L | 122 | 119.8 | 97.6 - 147 | Acceptable |

**EDB/DBCP/TCP (PT-EDBCP-WS)** — Lot #: 9034-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | | EPA 504.1 | µg/L | 1.47 | 1.705 | 0.882 - 2.06 | Acceptable |
| 4585 | Ethylene Dibromide (EDB) | | EPA 504.1 | µg/L | 1.03 | 1.219 | 0.618 - 1.44 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 5180 | 1,2,3-Trichloropropane | | | µg/L | 1.20 | | 0.720 - 1.68 | NR |

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# 100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.wibby.com

# Final Report - Water Supply Proficiency Testing

## Study: WS1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Unregulated Volatiles (PT-UNRVOA-WS)** Lot #: 9034-22

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4385 | Bromobenzene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4390 | Bromochloromethane | | EPA 524.2 | µg/L | 30.2 | 30.4 | 24.2 - 36.2 | Acceptable |
| 4950 | Bromomethane | | EPA 524.2 | µg/L | 18.0 | 25.4 | 10.8 - 25.2 | Not Acceptable |
| 4435 | n-Butylbenzene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4440 | sec-Butylbenzene | | EPA 524.2 | µg/L | 21.4 | 23.2 | 17.1 - 25.7 | Acceptable |
| 4445 | tert-Butylbenzene | | EPA 524.2 | µg/L | 9.90 | 10.9 | 5.94 - 13.9 | Acceptable |
| 4485 | Chloroethane | | EPA 524.2 | µg/L | 39.0 | 39.6 | 23.4 - 54.6 | Acceptable |
| 4960 | Chloromethane | | EPA 524.2 | µg/L | 0.00 | 1.21 | | Not Acceptable |
| 4535 | 2-Chlorotoluene | | EPA 524.2 | µg/L | 23.5 | 22.7 | 18.8 - 28.2 | Acceptable |
| 4540 | 4-Chlorotoluene | | EPA 524.2 | µg/L | 27.1 | 29.3 | 21.7 - 32.5 | Acceptable |
| 4595 | Dibromomethane | | EPA 524.2 | µg/L | 47.2 | 43.3 | 37.8 - 56.6 | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 524.2 | µg/L | 9.30 | 9.82 | 5.58 - 13.0 | Acceptable |
| 4625 | Dichlorodifluoromethane | | EPA 524.2 | µg/L | 17.1 | 20.2 | 10.3 - 23.9 | Acceptable |
| 4630 | 1,1-Dichloroethane | | EPA 524.2 | µg/L | 35.6 | 37.7 | 28.5 - 42.7 | Acceptable |
| 4660 | 1,3-Dichloropropane | | EPA 524.2 | µg/L | 14.6 | 14.0 | 8.76 - 20.4 | Acceptable |
| 4665 | 2,2-Dichloropropane | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4670 | 1,1-Dichloropropene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4680 | cis-1,3-Dichloropropene | | EPA 524.2 | µg/L | 14.4 | 13.0 | 8.64 - 20.2 | Acceptable |
| 4685 | trans-1,3-Dichloropropene | | EPA 524.2 | µg/L | 12.8 | 11.8 | 7.68 - 17.9 | Acceptable |
| 5175 | Fluorotrichloromethane | | EPA 524.2 | µg/L | 18.4 | 21.3 | 11.0 - 25.8 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 524.2 | µg/L | 29.9 | 30.5 | 23.9 - 35.9 | Acceptable |
| 4900 | Isopropylbenzene | | EPA 524.2 | µg/L | 47.1 | 52.7 | 37.7 - 56.5 | Acceptable |
| 4910 | 4-Isopropyltoluene | | EPA 524.2 | µg/L | 45.9 | 52.0 | 36.7 - 55.1 | Acceptable |
| 5000 | MTBE | | EPA 524.2 | µg/L | 28.5 | 31.6 | 17.1 - 39.9 | Acceptable |
| 5090 | n-Propylbenzene | | EPA 524.2 | µg/L | 0.00 | 14.6 | | Not Acceptable |
| 5105 | 1,1,1,2-Tetrachloroethane | | EPA 524.2 | µg/L | 13.9 | 14.9 | 8.34 - 19.5 | Acceptable |
| 5110 | 1,1,2,2-Tetrachloroethane | | EPA 524.2 | µg/L | 12.0 | 11.9 | 7.20 - 16.8 | Acceptable |
| 5150 | 1,2,3-Trichlorobenzene | | EPA 524.2 | µg/L | 22.8 | 22.2 | 18.2 - 27.4 | Acceptable |
| 5180 | 1,2,3-Trichloropropane | | EPA 524.2 | µg/L | 27.0 | 26.5 | 21.6 - 32.4 | Acceptable |
| 5210 | 1,2,4-Trimethylbenzene | | EPA 524.2 | µg/L | 39.1 | 46.2 | 31.3 - 46.9 | Acceptable |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Regulated Volatiles (PT-RVOA-WS)** — Lot #: 9034-21

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4375 | Benzene | | EPA 524.2 | µg/L | 5.46 | 5.09 | 3.28 - 7.64 | Acceptable |
| 4455 | Carbon Tetrachloride | | EPA 524.2 | µg/L | 6.70 | 6.87 | 4.02 - 9.38 | Acceptable |
| 4475 | Chlorobenzene | | EPA 524.2 | µg/L | 18.5 | 18.4 | 14.8 - 22.2 | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 524.2 | µg/L | 16.7 | 15.7 | 13.4 - 20.0 | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 524.2 | µg/L | 6.60 | 7.03 | 3.96 - 9.24 | Acceptable |
| 4635 | 1,2-Dichloroethane | | EPA 524.2 | µg/L | 15.3 | 14.7 | 12.2 - 18.4 | Acceptable |
| 4640 | 1,1-Dichloroethylene | | EPA 524.2 | µg/L | 10.8 | 10.6 | 8.64 - 13.0 | Acceptable |
| 4645 | cis-1,2-Dichloroethylene | | EPA 524.2 | µg/L | 34.7 | 34.9 | 27.8 - 41.6 | Acceptable |
| 4700 | trans-1,2-Dichloroethylene | | EPA 524.2 | µg/L | 24.4 | 24.6 | 19.5 - 29.3 | Acceptable |
| 4975 | Dichloromethane (Methylene Chloride) | | EPA 524.2 | µg/L | 13.6 | 13.2 | 10.9 - 16.3 | Acceptable |
| 4655 | 1,2-Dichloropropane | | EPA 524.2 | µg/L | 13.9 | 13.1 | 11.1 - 16.7 | Acceptable |
| 4765 | Ethylbenzene | | EPA 524.2 | µg/L | 12.8 | 13.2 | 10.2 - 15.4 | Acceptable |
| 5100 | Styrene | | EPA 524.2 | µg/L | 4.20 | 3.54 | 2.52 - 5.88 | Acceptable |
| 5115 | Tetrachloroethylene | | EPA 524.2 | µg/L | 16.0 | 15.5 | 12.8 - 19.2 | Acceptable |
| 5140 | Toluene | | EPA 524.2 | µg/L | 3.86 | 3.30 | 2.32 - 5.40 | Acceptable |
| 5155 | 1,2,4-Trichlorobenzene | | EPA 524.2 | µg/L | 17.2 | 14.5 | 13.8 - 20.6 | Acceptable |
| 5160 | 1,1,1-Trichloroethane | | EPA 524.2 | µg/L | 13.9 | 13.7 | 11.1 - 16.7 | Acceptable |
| 5165 | 1,1,2-Trichloroethane | | EPA 524.2 | µg/L | 10.1 | 9.01 | 8.08 - 12.1 | Acceptable |
| 5170 | Trichloroethylene | | EPA 524.2 | µg/L | 10.1 | 9.57 | 8.08 - 12.1 | Acceptable |
| 5235 | Vinyl Chloride | | EPA 524.2 | µg/L | 28.0 | 29.6 | 16.8 - 39.2 | Acceptable |
| 5260 | Total Xylenes | | EPA 524.2 | µg/L | 29.7 | 30.3 | 23.8 - 35.6 | Acceptable |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

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561-447-7373 ext. 150

EPA Lab ID: FL00449

**Surfactants (MBAS) (PT-MBAS-WS)** — Lot #: 9034-16

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2025 | Surfactants - MBAS | | EPA 425.1 | mg/L | 0.518 | 0.683 | 0.407 - 0.614 | Not Acceptable |
| 2025 | Surfactants - MBAS | | SM5540C | mg/L | 0.518 | 0.683 | 0.407 - 0.614 | Not Acceptable |

**Silica (PT-SiO2-WS)** — Lot #: 9034-17

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1990 | Silica as SiO2 | | EPA 200.7 | mg/L | 42.4 | 41.5 | 36.0 - 48.8 | Acceptable |

**Color (PT-COL-WS)** — Lot #: 9034-40

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1605 | Color | | EPA 110.2 | CU | 33.0 | 20.0 | 19.8 - 42.9 | Acceptable |
| 1605 | Color | | SM2120B | CU | 33.0 | 20.0 | 19.8 - 42.9 | Acceptable |

**Hexavalent Chromium (PT-CR6-WS)** — Lot #: 9034-20

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1045 | Chromium VI | | EPA 7196A | µg/L | 13.7 | 0.0146 | 12.3 - 15.1 | Not Acceptable |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

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EPA Lab ID: FL00449

**pH (PT-PH-WS)** — Lot #: 9034-11

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1900 | pH | | EPA 150.1 | S.U. | 6.10 | 6.13 | 5.90 - 6.30 | Acceptable |
| 1900 | pH | | SM4500HB | S.U. | 6.10 | 6.13 | 5.90 - 6.30 | Acceptable |

**Residual Chlorine (PT-CL-WS)** — Lot #: 9034-10

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1945 | Residual Free Chlorine | | | mg/L | 1.85 | | 1.51 - 2.19 | NR |
| 1940 | Total Residual Chlorine | | EPA 330.5 | mg/L | 1.85 | 1.82 | 1.56 - 2.13 | Acceptable |

**Total and Dissolved Organic Carbon (PT-TOC-WS)** — Lot #: 9034-12

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2040 | Total Organic Carbon | | EPA 415.1 | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| 2040 | Total Organic Carbon | | EPA 9060 | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| 2040 | Total Organic Carbon | | SM5310B | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 1710 | Dissolved Organic Carbon (DOC) | | | mg/L | 3.74 | | 3.11 - 4.38 | NR |

**Turbidity (PT-TUR-WS)** — Lot #: 9034-13

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2055 | Turbidity | | EPA 180.1 | NTU | 5.14 | 11.5 | 4.52 - 6.10 | Not Acceptable |
| 2055 | Turbidity | | SM2310B | NTU | 5.14 | 11.5 | 4.52 - 6.10 | Not Acceptable |

**IDB (Ampule 1 of 2) (PT-IDB-WS(1))** — Lot #: 9034-14

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1535 | Bromate | | | µg/L | 16.2 | | 11.3 - 21.1 | NR |
| 1540 | Bromide | | 300.0 | µg/L | 245 | 0.296 | 187 - 304 | Not Acceptable |
| 1570 | Chlorate | | | µg/L | 73.5 | | 58.5 - 90.7 | NR |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Specific Conductance (PT-COND-WS)** — Lot #: 9034-57

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1610 | Specific Conductance | | EPA 120.1 | µmhos | 2110 | 2200 | 1900 - 2320 | Acceptable |

**Anions (PT-AN-WS(1))** — Lot #: 9034-08

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1575 | Chloride | | SM4500CLE | mg/L | 80.2 | 79.3 | 72.2 - 88.2 | Acceptable |
| 1575 | Chloride | | EPA 325.2 | mg/L | 80.2 | 79.3 | 72.2 - 88.2 | Acceptable |
| 1575 | Chloride | | EPA 300.0 | mg/L | 80.2 | 84.2 | 72.2 - 88.2 | Acceptable |
| 1730 | Fluoride | | EPA 300.0 | mg/L | 1.50 | 1.42 | 1.35 - 1.65 | Acceptable |
| 1810 | Nitrate as N | | EPA 353.2 | mg/L | 3.37 | 3.38 | 3.03 - 3.71 | Acceptable |
| 1810 | Nitrate as N | | EPA 300.0 | mg/L | 3.37 | 3.40 | 3.03 - 3.71 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 353.2 | mg/L | 3.37 | 3.38 | 2.96 - 3.71 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 300.0 | mg/L | 3.37 | 3.40 | 2.96 - 3.71 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 365.1 | mg/L | 5.16 | 5.26 | 4.57 - 5.79 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 300.0 | mg/L | 5.16 | 5.18 | 4.57 - 5.79 | Acceptable |
| 2000 | Sulfate | | EPA 300.0 | mg/L | 207 | 212 | 183 - 230 | Acceptable |

**Anions (PT-AN-WS(2))** — Lot #: 9034-56

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1840 | Nitrite as N | | EPA 353.2 | mg/L | 0.584 | 0.537 | 0.496 - 0.672 | Acceptable |
| 1840 | Nitrite as N | | EPA 300.0 | mg/L | 0.584 | 0.533 | 0.496 - 0.672 | Acceptable |

**Cyanide (PT-CN-WS)** — Lot #: 9034-09

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1635 | Cyanide (simple) | | EPA 335.4 | mg/L | 0.234 | 0.195 | 0.176 - 0.293 | Acceptable |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Trace Metals (PT-TM-WS) cont'd** — Lot #: 9034-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1150 | Silver | | EPA 200.8 | µg/L | 50.6 | 56.2 | 43.4 - 57.4 | Acceptable |
| 1165 | Thallium | | EPA 200.7 | µg/L | 6.67 | 7.19 | 4.67 - 8.67 | Acceptable |
| 1165 | Thallium | | EPA 200.8 | µg/L | 6.67 | 7.73 | 4.67 - 8.67 | Acceptable |
| 1185 | Vanadium | | EPA 200.7 | µg/L | 1140 | 1150 | 1020 - 1250 | Acceptable |
| 1185 | Vanadium | | EPA 200.8 | µg/L | 1140 | 1220 | 1020 - 1250 | Acceptable |
| 1190 | Zinc | | EPA 200.7 | µg/L | 1170 | 1210 | 1050 - 1290 | Acceptable |
| 1190 | Zinc | | EPA 200.8 | µg/L | 1170 | 1180 | 1050 - 1290 | Acceptable |

**Mercury (PT-HG-WS)** — Lot #: 9034-05

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1095 | Mercury | | EPA 245.1 | µg/L | 3.92 | 1.7 | 2.74 - 5.10 | Not Acceptable |

**Minerals (PT-MIN-WS)** — Lot #: 9034-51

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1505 | Alkalinity as CaCO3 | | EPA 310.1 | mg/L | 44.6 | 48.1 | 40.1 - 49.1 | Acceptable |
| 1505 | Alkalinity as CaCO3 | | SM2320B | mg/L | 44.6 | 48.1 | 40.1 - 49.1 | Acceptable |
| 1035 | Calcium | | EPA 200.7 | mg/L | 38.5 | 40.3 | 34.3 - 43.2 | Acceptable |
| 1550 | Calcium Hardness as CaCO3 | | SM2340B | mg/L | 96.2 | 101 | 85.8 - 108 | Acceptable |
| 1755 | Total Hardness as CaCO3 | | SM2340B | mg/L | 141 | 147 | 126 - 158 | Acceptable |
| 1085 | Magnesium | | EPA 200.7 | mg/L | 10.9 | 11.2 | 9.81 - 12.2 | Acceptable |
| 1125 | Potassium | | EPA 200.7 | mg/L | 29.9 | 30.6 | 25.8 - 33.9 | Acceptable |
| 1155 | Sodium | | EPA 200.7 | mg/L | 20.4 | 21.4 | 18.0 - 22.5 | Acceptable |
| 1955 | Total Filterable Residue | | EPA 160.1 | mg/L | 330 | 402 | 214 - 446 | Acceptable |
| 1955 | Total Filterable Residue | | SM2540C | mg/L | 330 | 402 | 214 - 446 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 1620 | Corrosivity (Langelier Index) | | | SI units | -0.550 | | -0.950 - -0.150 | NR |

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## Study: WS1008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Trace Metals (Pt-TM-WS)** Lot # 9034-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1000 | Aluminum | | EPA 200.7 | µg/L | 2090 | 1980 | 1800 - 2310 | Acceptable |
| 1000 | Aluminum | | EPA 200.8 | µg/L | 2090 | 2230 | 1800 - 2310 | Acceptable |
| 1005 | Antimony | | EPA 200.7 | µg/L | 9.60 | 9.95 | 6.72 - 12.5 | Acceptable |
| 1005 | Antimony | | EPA 200.8 | µg/L | 9.60 | 10.2 | 6.72 - 12.5 | Acceptable |
| 1010 | Arsenic | | EPA 200.7 | µg/L | 43.2 | 47.2 | 30.2 - 56.2 | Acceptable |
| 1010 | Arsenic | | EPA 200.8 | µg/L | 43.2 | 43.6 | 30.2 - 56.2 | Acceptable |
| 1015 | Barium | | EPA 200.7 | µg/L | 1290 | 1300 | 1100 - 1480 | Acceptable |
| 1015 | Barium | | EPA 200.8 | µg/L | 1290 | 1380 | 1100 - 1480 | Acceptable |
| 1020 | Beryllium | | EPA 200.7 | µg/L | 3.83 | 3.78 | 3.26 - 4.40 | Acceptable |
| 1020 | Beryllium | | EPA 200.8 | µg/L | 3.83 | 4.84 | 3.26 - 4.40 | Not Acceptable |
| 1025 | Boron | | EPA 200.7 | µg/L | 1000 | 1000 | 882 - 1110 | Acceptable |
| 1030 | Cadmium | | EPA 200.7 | µg/L | 41.1 | 41.9 | 32.9 - 49.3 | Acceptable |
| 1030 | Cadmium | | EPA 200.8 | µg/L | 41.1 | 41.6 | 32.9 - 49.3 | Acceptable |
| 1040 | Chromium | | EPA 200.7 | µg/L | 96.5 | 99.3 | 82.0 - 111 | Acceptable |
| 1040 | Chromium | | EPA 200.8 | µg/L | 96.5 | 95.3 | 82.0 - 111 | Acceptable |
| 1055 | Copper | | EPA 200.7 | µg/L | 1650 | 1690 | 1490 - 1820 | Acceptable |
| 1055 | Copper | | EPA 200.8 | µg/L | 1650 | 1660 | 1490 - 1820 | Acceptable |
| 1070 | Iron | | EPA 200.7 | µg/L | 868 | 893 | 770 - 955 | Acceptable |
| 1070 | Iron | | EPA 200.8 | µg/L | 868 | 930 | 770 - 955 | Acceptable |
| 1075 | Lead | | EPA 200.7 | µg/L | 90.6 | 94.0 | 63.4 - 118 | Acceptable |
| 1075 | Lead | | EPA 200.8 | µg/L | 90.6 | 92.6 | 63.4 - 118 | Acceptable |
| 1090 | Manganese | | EPA 200.7 | µg/L | 460 | 467 | 414 - 506 | Acceptable |
| 1090 | Manganese | | EPA 200.8 | µg/L | 460 | 482 | 414 - 506 | Acceptable |
| 1100 | Molybdenum | | EPA 200.7 | µg/L | 28.9 | 29.7 | 24.2 - 33.0 | Acceptable |
| 1100 | Molybdenum | | EPA 200.8 | µg/L | 28.9 | 34.6 | 24.2 - 33.0 | Not Acceptable |
| 1105 | Nickel | | EPA 200.7 | µg/L | 364 | 362 | 309 - 419 | Acceptable |
| 1105 | Nickel | | EPA 200.8 | µg/L | 364 | 360 | 309 - 419 | Acceptable |
| 1140 | Selenium | | EPA 200.7 | µg/L | 83.7 | 84.7 | 67.0 - 100 | Acceptable |
| 1140 | Selenium | | EPA 200.8 | µg/L | 83.7 | 82.4 | 67.0 - 100 | Acceptable |
| 1150 | Silver | | EPA 200.7 | µg/L | 50.6 | 53.2 | 43.4 - 57.4 | Acceptable |

Report Issue Date - 12/11/2008

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**Report Definitions:**

| | |
|---|---|
| ***NELAC Experimental Analytes*** | NELAC Experimental Analytes must be run twice a year. Due to the experimental nature of the acceptance limits, accreditation status is not based on the evaluation received. |
| ***Assigned Value*** | The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable. |
| ***Evaluation Limits*** | Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable. |

***Evaluation***

| | |
|---|---|
| *Acceptable* | The reported value falls within the Acceptance Limits. |
| *Not Acceptable* | The reported value falls outside the Acceptance Limits. |
| *No Evaluation* | The reported value is non-numeric and can not be evaluated. |
| *NR* | As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported). |

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December 11, 2008

Ms. Maria Pacheco
Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Dear Maria,

Thank you for participating in the WS1008 Water Supply Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Wibby Environmental.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the WS1008 Water Supply Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call Chuck Wibby, President of Wibby Environmental, or me at 303-940-0033.

Sincerely,

Ty Garber
Operations Manager

wibby environmental

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Phone 303-940-0033
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July 10, 2008

Mrs. Maria Pacheco
Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Dear Maria,

Thank you for participating in the WP0508 Water Pollution Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Wibby Environmental.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the WP0508 Water Pollution Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call Chuck Wibby, President of Wibby Environmental, or me at 303-940-0033.

Sincerely,

Ty Garber
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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**OPP (PT-OPP-WP) cont'd** — Lot #: 8079-64

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| **Additional State Specific Analytes cont'd** | | | | | | | | | |
| 7565 | Ethion | | EPA 614 | µg/L | <1 | <0.50 | | | Acceptable |
| 7565 | Ethion | | EPA 614.1 | µg/L | <1 | <0.50 | | | Acceptable |
| 7565 | Ethion | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7570 | Ethoprop | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7580 | Famphur | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7640 | Fonophos | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7825 | Methyl parathion (Parathion, methyl) | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7985 | Phorate | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 8000 | Phosmet (Imidan) | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 8110 | Ronnel | | EPA 8141 | µg/L | <2 | <0.50 | | | Acceptable |
| 8185 | Terbufos | | EPA 614 | µg/L | <1 | <0.50 | | | Acceptable |
| 8185 | Terbufos | | EPA 614.1 | µg/L | <1 | <0.50 | | | Acceptable |
| 8185 | Terbufos | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 8200 | Tetrachlorvinphos (Stirophos, Gardona) | | EPA 8141 | µg/L | <2 | <0.50 | | | Acceptable |

**Gasoline Range Organics (GRO) (PT-GAS-WP)** — Lot #: 8079-62

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 9408 | Gasoline range organics (GRO) | | EPA 8015 | µg/L | 3230 | 3260 | 1990 - 4950 | 1250 - 5690 | Acceptable |

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Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**OPP (PT-OPP-WP)** — Lot #: 8079-64

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7075 | Azinphos-methyl (Guthion) | | EPA 614 | µg/L | 8.90 | 5.81 | 3.28 - 13.1 | 0.890 - 15.5 | Acceptable |
| 7075 | Azinphos-methyl (Guthion) | | EPA 614.1 | µg/L | 8.90 | 5.81 | 3.28 - 13.1 | 0.890 - 15.5 | Acceptable |
| 7075 | Azinphos-methyl (Guthion) | | EPA 8141 | µg/L | 8.90 | 3.94 | 3.28 - 13.1 | 0.890 - 15.5 | Acceptable |
| 7410 | Diazinon | | EPA 614 | µg/L | 8.21 | 6.57 | 4.58 - 10.7 | 3.06 - 12.2 | Acceptable |
| 7410 | Diazinon | | EPA 614.1 | µg/L | 8.21 | 6.57 | 4.58 - 10.7 | 3.06 - 12.2 | Acceptable |
| 7410 | Diazinon | | EPA 8141 | µg/L | 8.21 | 6.42 | 4.58 - 10.7 | 3.06 - 12.2 | Acceptable |
| 8625 | Disulfoton | | EPA 614 | µg/L | 7.04 | 5.78 | 2.88 - 9.76 | 1.16 - 11.5 | Acceptable |
| 8625 | Disulfoton | | EPA 614.1 | µg/L | 7.04 | 5.78 | 2.88 - 9.76 | 1.16 - 11.5 | Acceptable |
| 8625 | Disulfoton | | EPA 8141 | µg/L | 7.04 | 5.35 | 2.88 - 9.76 | 1.16 - 11.5 | Acceptable |
| 7770 | Malathion | | EPA 614 | µg/L | 11.8 | 6.71 | 5.28 - 16.0 | 2.61 - 18.6 | Acceptable |
| 7770 | Malathion | | EPA 614.1 | µg/L | 11.8 | 6.71 | 5.28 - 16.0 | 2.61 - 18.6 | Acceptable |
| 7770 | Malathion | | EPA 8141 | µg/L | 11.8 | 6.91 | 5.28 - 16.0 | 2.61 - 18.6 | Acceptable |
| 7955 | Parathion, ethyl | | EPA 614 | µg/L | 3.85 | 3.64 | | 2.12 - 5.58 | Acceptable |
| 7955 | Parathion, ethyl | | EPA 614.1 | µg/L | 3.85 | 3.64 | | 2.12 - 5.58 | Acceptable |
| 7955 | Parathion, ethyl | | EPA 8141 | µg/L | 3.85 | 2.81 | | 2.12 - 5.58 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 7220 | Carbophenothion | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7300 | Chlorpyrifos | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7395 | Demeton-o | | EPA 614 | µg/L | <1 | <0.50 | | | Acceptable |
| 7395 | Demeton-o | | EPA 614.1 | µg/L | <1 | <0.50 | | | Acceptable |
| 7395 | Demeton-o | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7385 | Demeton-s | | EPA 614 | µg/L | <1 | <0.50 | | | Acceptable |
| 7385 | Demeton-s | | EPA 614.1 | µg/L | <1 | <0.50 | | | Acceptable |
| 7385 | Demeton-s | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 8610 | Dichlorovos (DDVP, Dichlorvos) | | EPA 8141 | µg/L | <2 | <0.50 | | | Acceptable |
| 7475 | Dimethoate | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |
| 7495 | Dioxathion | | EPA 614 | µg/L | <1 | <0.50 | | | Acceptable |
| 7495 | Dioxathion | | EPA 614.1 | µg/L | <1 | <0.50 | | | Acceptable |
| 7495 | Dioxathion | | EPA 8141 | µg/L | <1 | <0.50 | | | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Herbicides (PT-HERB-WP) cont'd** — **Lot #: 8079-36**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| **Additional State Specific Analytes cont'd** | | | | | | | | | |
| 7775 | MCPA | | EPA 8151 | µg/L | <25 | <200 | | | Acceptable |
| 7780 | MCPP | | EPA 615 | µg/L | <25 | <200 | | | Acceptable |
| 7780 | MCPP | | EPA 8151 | µg/L | <25 | <200 | | | Acceptable |
| 6605 | Pentachlorophenol | | EPA 615 | µg/L | <2 | <2.0 | | | Acceptable |
| 6605 | Pentachlorophenol | | EPA 8151 | µg/L | <2 | <2.0 | | | Acceptable |
| 8645 | Picloram | | EPA 615 | µg/L | 5.41 | 6.35 | | 2.71 - 8.12 | Acceptable |
| 8645 | Picloram | | EPA 8151 | µg/L | 5.41 | 6.35 | | 2.71 - 8.12 | Acceptable |

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Herbicides (PT-HERB-WP)** — **Lot #: 8079-36**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8545 | 2,4-D | | EPA 615 | µg/L | 8.27 | 4.78 | 1.70 - 11.0 | 0.827 - 13.3 | Acceptable |
| 8545 | 2,4-D | | EPA 8151 | µg/L | 8.27 | 4.78 | 1.70 - 11.0 | 0.827 - 13.3 | Acceptable |
| 8595 | Dicamba | | EPA 615 | µg/L | 4.11 | 4.53 | 1.23 - 5.13 | 0.411 - 6.10 | Acceptable |
| 8595 | Dicamba | | EPA 8151 | µg/L | 4.11 | 4.53 | 1.23 - 5.13 | 0.411 - 6.10 | Acceptable |
| 6500 | 4-Nitrophenol | | | µg/L | 0.00 | | | | NR |
| 8655 | 2,4,5-T | | EPA 615 | µg/L | 7.09 | 10.4 | 2.32 - 8.78 | 0.709 - 10.4 | Check for Error |
| 8655 | 2,4,5-T | | EPA 8151 | µg/L | 7.09 | 10.4 | 2.32 - 8.78 | 0.709 - 10.4 | Check for Error |
| 8650 | 2,4,5-TP (Silvex) | | EPA 615 | µg/L | 4.28 | 7.41 | 1.48 - 5.38 | 0.503 - 6.36 | Not Acceptable |
| 8650 | 2,4,5-TP (Silvex) | | EPA 8151 | µg/L | 4.28 | 7.41 | 1.48 - 5.38 | 0.503 - 6.36 | Not Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 7075 | Azinphos-methyl (Guthion) | | | µg/L | 0.00 | | | | NR |
| **Additional State Specific Analytes** | | | | | | | | | |
| 8505 | Acifluorfen | | | µg/L | <2 | | | | NR |
| 8530 | Bentazon | | | µg/L | <2 | | | | NR |
| 7135 | Brominal (Bromoxynil) | | | µg/L | <2 | | | | NR |
| 8540 | Chloramben | | | µg/L | <2 | | | | NR |
| 8560 | 2,4-DB | | EPA 615 | µg/L | <2 | <2.0 | | | Acceptable |
| 8560 | 2,4-DB | | EPA 8151 | µg/L | <2 | <2.0 | | | Acceptable |
| 8605 | 2,4-DP (Dichlorprop) | | EPA 615 | µg/L | <2 | <2.0 | | | Acceptable |
| 8605 | 2,4-DP (Dichlorprop) | | EPA 8151 | µg/L | <2 | <2.0 | | | Acceptable |
| 8550 | Dacthal (DCPA) | | | µg/L | <2 | < | | | No Evaluation |
| 8555 | Dalapon | | EPA 615 | µg/L | <2 | <2.0 | | | Acceptable |
| 8555 | Dalapon | | EPA 8151 | µg/L | <2 | <2.0 | | | Acceptable |
| 8600 | 3,5-Dichlorobenzoic acid | | | µg/L | <2 | | | | NR |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | | EPA 615 | µg/L | <2 | <2.0 | | | Acceptable |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | | EPA 8151 | µg/L | <2 | <2.0 | | | Acceptable |
| 7775 | MCPA | | EPA 615 | µg/L | <25 | <200 | | | Acceptable |

Report Issue Date - 12/11/2008

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**PCBs in Water (PT-PCBW-WP)** — Lot #: 8079-32

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8880 | Aroclor 1016 | | | µg/L | 0.00 | | | | NR |
| 8885 | Aroclor 1221 | | | µg/L | 0.00 | | | | NR |
| 8890 | Aroclor 1232 | | | µg/L | 0.00 | | | | NR |
| 8895 | Aroclor 1242 | | EPA 8082 | µg/L | 9.42 | 9.36 | 4.37 - 11.5 | 2.58 - 13.3 | Acceptable |
| 8895 | Aroclor 1242 | | EPA 608 | µg/L | 9.42 | 9.36 | 4.37 - 11.5 | 2.58 - 13.3 | Acceptable |
| 8900 | Aroclor 1248 | | | µg/L | 0.00 | | | | NR |
| 8905 | Aroclor 1254 | | | µg/L | 0.00 | | | | NR |
| 8910 | Aroclor 1260 | | | µg/L | 0.00 | | | | NR |

**PCBs in Oil (PT-PCBO-WP)** — Lot #: 8079-34

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8880 | Aroclor 1016 | | EPA 8082 | mg/kg | <1.7 | 46.4 | | | Not Acceptable |
| 8880 | Aroclor 1016 | | EPA 608 | mg/kg | <1.7 | 46.4 | | | Not Acceptable |
| 8895 | Aroclor 1242 | | | mg/kg | <1.7 | | | | NR |
| 8905 | Aroclor 1254 | | | mg/kg | <1.6 | | | | NR |
| 8910 | Aroclor 1260 | | | mg/kg | 37.0 | | | 6.74 - 52.2 | NR |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Pesticides (PT-PEST-WP) cont'd — Lot #: 8079-29

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7530 | Endrin aldehyde | | EPA 8081 | µg/L | 9.44 | 8.16 | 4.67 - 12.3 | 2.75 - 14.2 | Acceptable |
| 7530 | Endrin aldehyde | | EPA 608 | µg/L | 9.44 | 8.16 | 4.67 - 12.3 | 2.75 - 14.2 | Acceptable |
| 7685 | Heptachlor | | EPA 8081 | µg/L | 5.09 | 5.84 | 2.54 - 6.09 | 1.65 - 6.98 | Acceptable |
| 7685 | Heptachlor | | EPA 608 | µg/L | 5.09 | 5.84 | 2.54 - 6.09 | 1.65 - 6.98 | Acceptable |
| 7690 | Heptachlor Epoxide (beta) | | EPA 8081 | µg/L | 5.24 | 5.34 | 3.38 - 6.55 | 2.59 - 7.34 | Acceptable |
| 7690 | Heptachlor Epoxide (beta) | | EPA 608 | µg/L | 5.24 | 5.34 | 3.38 - 6.55 | 2.59 - 7.34 | Acceptable |
| 7810 | Methoxychlor | | EPA 8081 | µg/L | 11.3 | 11.3 | 5.50 - 15.3 | 3.04 - 17.8 | Acceptable |
| 7810 | Methoxychlor | | EPA 608 | µg/L | 11.3 | 11.3 | 5.50 - 15.3 | 3.04 - 17.8 | Acceptable |
| 7810 | Methoxychlor | | EPA 608.2 | µg/L | 11.3 | 11.3 | 5.50 - 15.3 | 3.04 - 17.8 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 7535 | Endrin ketone | | EPA 8081 | µg/L | 8.16 | 8.40 | | 4.49 - 11.8 | Acceptable |
| 7535 | Endrin ketone | | EPA 608 | µg/L | 8.16 | 8.40 | | 4.49 - 11.8 | Acceptable |

## Chlordane (PT-CHLR-WP) — Lot #: 8079-30

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7250 | Chlordane (total) | | EPA 608 | µg/L | 4.71 | 4.96 | 2.61 - 6.00 | 1.76 - 6.85 | Acceptable |
| 7250 | Chlordane (total) | | EPA 8081 | µg/L | 4.71 | 4.96 | 2.61 - 6.00 | 1.76 - 6.85 | Acceptable |

## Toxaphene (PT-TXP-WP) — Lot #: 8079-31

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8250 | Toxaphene (total) | | EPA 8081 | µg/L | 39.5 | 16.0 | 8.53 - 58.9 | 3.95 - 71.5 | Acceptable |
| 8250 | Toxaphene (total) | | EPA 608 | µg/L | 39.5 | 16.0 | 8.53 - 58.9 | 3.95 - 71.5 | Acceptable |

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Pesticides (PT-PEST-WP)** — **Lot #: 8079-29**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7025 | Aldrin | | EPA 8081 | µg/L | 13.8 | 11.6 | 6.38 - 16.5 | 3.86 - 19.0 | Acceptable |
| 7025 | Aldrin | | EPA 608 | µg/L | 13.8 | 11.6 | 6.38 - 16.5 | 3.86 - 19.0 | Acceptable |
| 7110 | alpha-BHC | | EPA 8081 | µg/L | 9.52 | 9.06 | 5.68 - 11.4 | 4.24 - 12.9 | Acceptable |
| 7110 | alpha-BHC | | EPA 608 | µg/L | 9.52 | 9.06 | 5.68 - 11.4 | 4.24 - 12.9 | Acceptable |
| 7115 | beta-BHC | | EPA 8081 | µg/L | 3.04 | 2.97 | 1.73 - 3.79 | 1.22 - 4.31 | Acceptable |
| 7115 | beta-BHC | | EPA 608 | µg/L | 3.04 | 2.97 | 1.73 - 3.79 | 1.22 - 4.31 | Acceptable |
| 7105 | delta-BHC | | EPA 8081 | µg/L | 12.2 | 9.12 | 6.72 - 15.0 | 4.67 - 17.0 | Acceptable |
| 7105 | delta-BHC | | EPA 608 | µg/L | 12.2 | 9.12 | 6.72 - 15.0 | 4.67 - 17.0 | Acceptable |
| 7120 | gamma-BHC (Lindane) | | EPA 8081 | µg/L | 4.94 | 4.87 | 2.80 - 6.06 | 1.99 - 6.87 | Acceptable |
| 7120 | gamma-BHC (Lindane) | | EPA 608 | µg/L | 4.94 | 4.87 | 2.80 - 6.06 | 1.99 - 6.87 | Acceptable |
| 7240 | alpha-Chlordane | | EPA 8081 | µg/L | 3.11 | 3.26 | 1.87 - 3.82 | 1.39 - 4.30 | Acceptable |
| 7240 | alpha-Chlordane | | EPA 608 | µg/L | 3.11 | 3.26 | 1.87 - 3.82 | 1.39 - 4.30 | Acceptable |
| 7245 | gamma-Chlordane | | EPA 8081 | µg/L | 2.33 | 2.35 | 1.39 - 2.90 | 1.01 - 3.28 | Acceptable |
| 7245 | gamma-Chlordane | | EPA 608 | µg/L | 2.33 | 2.35 | 1.39 - 2.90 | 1.01 - 3.28 | Acceptable |
| 7355 | DDD (4,4) | | EPA 8081 | µg/L | 6.48 | 7.55 | 3.54 - 8.11 | 2.40 - 9.26 | Acceptable |
| 7355 | DDD (4,4) | | EPA 608 | µg/L | 6.48 | 7.55 | 3.54 - 8.11 | 2.40 - 9.26 | Acceptable |
| 7360 | DDE (4,4) | | EPA 8081 | µg/L | 3.17 | 3.45 | 1.85 - 3.74 | 1.37 - 4.21 | Acceptable |
| 7360 | DDE (4,4) | | EPA 608 | µg/L | 3.17 | 3.45 | 1.85 - 3.74 | 1.37 - 4.21 | Acceptable |
| 7365 | DDT (4,4) | | EPA 8081 | µg/L | 5.08 | 6.65 | 2.79 - 6.36 | 1.90 - 7.25 | Check for Error |
| 7365 | DDT (4,4) | | EPA 608 | µg/L | 5.08 | 6.65 | 2.79 - 6.36 | 1.90 - 7.25 | Check for Error |
| 7470 | Dieldrin | | EPA 8081 | µg/L | 6.48 | 7.03 | 4.11 - 7.89 | 3.16 - 8.83 | Acceptable |
| 7470 | Dieldrin | | EPA 608 | µg/L | 6.48 | 7.03 | 4.11 - 7.89 | 3.16 - 8.83 | Acceptable |
| 7510 | Endosulfan I | | EPA 8081 | µg/L | 5.00 | 5.25 | 2.15 - 6.00 | 1.18 - 6.96 | Acceptable |
| 7510 | Endosulfan I | | EPA 608 | µg/L | 5.00 | 5.25 | 2.15 - 6.00 | 1.18 - 6.96 | Acceptable |
| 7515 | Endosulfan II | | EPA 8081 | µg/L | 13.1 | 11.4 | 6.25 - 15.1 | 4.03 - 17.4 | Acceptable |
| 7515 | Endosulfan II | | EPA 608 | µg/L | 13.1 | 11.4 | 6.25 - 15.1 | 4.03 - 17.4 | Acceptable |
| 7520 | Endosulfan sulfate | | EPA 8081 | µg/L | 12.1 | 11.5 | 6.76 - 15.5 | 4.58 - 17.7 | Acceptable |
| 7520 | Endosulfan sulfate | | EPA 608 | µg/L | 12.1 | 11.5 | 6.76 - 15.5 | 4.58 - 17.7 | Acceptable |
| 7540 | Endrin | | EPA 8081 | µg/L | 12.7 | 11.9 | 6.83 - 16.4 | 4.43 - 18.8 | Acceptable |
| 7540 | Endrin | | EPA 608 | µg/L | 12.7 | 11.9 | 6.83 - 16.4 | 4.43 - 18.8 | Acceptable |

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## Study: WP1008

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Acids (PT-ACIDS-WP)** — **Lot #: 8079-28**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5700 | 4-Chloro-3-methylphenol | | EPA 8270 | µg/L | 140 | 105 | 75.8 - 159 | 54.9 - 180 | Acceptable |
| 5800 | 2-Chlorophenol | | EPA 8270 | µg/L | 179 | 120 | 79.2 - 197 | 50.2 - 224 | Acceptable |
| 6000 | 2,4-Dichlorophenol | | EPA 8270 | µg/L | 165 | 122 | 78.7 - 182 | 54.3 - 201 | Acceptable |
| 6130 | 2,4-Dimethylphenol | | EPA 8270 | µg/L | 99.6 | 73.3 | 39.2 - 113 | 20.8 - 131 | Acceptable |
| 6175 | 2,4-Dinitrophenol | | EPA 8270 | µg/L | 168 | 105 | 39.2 - 187 | 16.8 - 224 | Acceptable |
| 6360 | 2-Methyl-4,6-Dinitrophenol | | EPA 8270 | µg/L | 187 | 135 | 102 - 236 | 69.0 - 269 | Acceptable |
| 6400 | 2-Methylphenol | | EPA 8270 | µg/L | 115 | 69.4 | 41.8 - 127 | 21.7 - 142 | Acceptable |
| 6410 | 4-Methylphenol (and/or 3-Methylphenol) | | EPA 8270 | µg/L | 193 | 110 | 49.2 - 212 | 19.3 - 247 | Acceptable |
| 6490 | 2-Nitrophenol | | EPA 8270 | µg/L | 122 | 98.1 | 50.9 - 137 | 29.3 - 159 | Acceptable |
| 6500 | 4-Nitrophenol | | EPA 8270 | µg/L | 138 | 63.8 | 13.8 - 152 | 13.8 - 186 | Acceptable |
| 6625 | Phenol | | EPA 8270 | µg/L | 130 | 46.2 | 13.0 - 143 | 13.0 - 175 | Acceptable |
| 6605 | Pentachlorophenol | | EPA 8270 | µg/L | 117 | 113 | 52.5 - 140 | 30.7 - 162 | Acceptable |
| 6835 | 2,4,5-Trichlorophenol | | EPA 8270 | µg/L | 98.2 | 82.8 | 50.5 - 111 | 35.3 - 127 | Acceptable |
| 6840 | 2,4,6-Trichlorophenol | | EPA 8270 | µg/L | 149 | 128 | 70.6 - 164 | 47.6 - 185 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 6005 | 2,6-Dichlorophenol | | EPA 8270 APP II | µg/L | 148 | 108 | 73.3 - 163 | 51.3 - 183 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 5610 | Benzoic acid | | EPA 8270 | µg/L | 175 | 72.0 | | 35.0 - 298 | Acceptable |
| 6495 | 3-Nitrophenol | | | µg/L | <10 | | | | NR |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP) cont'd** — **Lot #: 8079-27**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 6665 | Pyrene | | EPA 8270 | µg/L | 42.7 | 38.8 | 21.8 - 53.6 | 13.9 - 61.5 | Acceptable |
| 6665 | Pyrene | | EPA 625 | µg/L | 42.7 | 38.8 | 21.8 - 53.6 | 13.9 - 61.5 | Acceptable |
| 5155 | 1,2,4-Trichlorobenzene | | EPA 8270 | µg/L | 110 | 84.6 | 42.1 - 121 | 24.3 - 131 | Acceptable |
| 5155 | 1,2,4-Trichlorobenzene | | EPA 625 | µg/L | 110 | 84.6 | 42.1 - 121 | 24.3 - 131 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 5545 | Aniline | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 5545 | Aniline | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 5630 | Benzyl alcohol | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 5630 | Benzyl alcohol | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 5680 | Carbazole | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 5680 | Carbazole | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 5745 | 4-Chloroaniline | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 5745 | 4-Chloroaniline | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 5790 | 1-Chloronaphthalene | | | µg/L | <10 | | | | NR |
| 6380 | 1-Methylnaphthalene | | EPA 8270 | µg/L | 75.1 | 62.1 | | 37.6 - 113 | Acceptable |
| 6380 | 1-Methylnaphthalene | | EPA 625 | µg/L | 75.1 | 62.1 | | 37.6 - 113 | Acceptable |
| 6460 | 2-Nitroaniline | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 6460 | 2-Nitroaniline | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 6465 | 3-Nitroaniline | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 6465 | 3-Nitroaniline | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 6470 | 4-Nitroaniline | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 6470 | 4-Nitroaniline | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |
| 6525 | N-Nitrosodiethylamine | | EPA 8270 APP II | µg/L | 136 | 92.6 | | 27.2 - 245 | Acceptable |
| 6525 | N-Nitrosodiethylamine | | EPA 625 | µg/L | 136 | 92.6 | | 27.2 - 245 | Acceptable |
| 5095 | Pyridine | | EPA 8270 | µg/L | <10 | 0 | | | Acceptable |
| 5095 | Pyridine | | EPA 625 | µg/L | <10 | 0 | | | Acceptable |

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## Study: WP1008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP) cont'd** — **Lot #: 8079-27**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 6265 | Fluoranthene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6265 | Fluoranthene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6270 | Fluorene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6270 | Fluorene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6275 | Hexachlorobenzene | | EPA 8270 | µg/L | 58.4 | 56.8 | 33.0 - 65.3 | 24.9 - 73.4 | Acceptable |
| 6275 | Hexachlorobenzene | | EPA 625 | µg/L | 58.4 | 56.8 | 33.0 - 65.3 | 24.9 - 73.4 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 8270 | µg/L | 158 | 121 | 47.1 - 174 | 19.7 - 184 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 625 | µg/L | 158 | 121 | 47.1 - 174 | 19.7 - 184 | Acceptable |
| 6285 | Hexachlorocyclopentadiene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6285 | Hexachlorocyclopentadiene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 4840 | Hexachloroethane | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 4840 | Hexachloroethane | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6315 | Indeno(1,2,3, cd)pyrene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6315 | Indeno(1,2,3, cd)pyrene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6320 | Isophorone | | EPA 8270 | µg/L | 113 | 106 | 61.1 - 129 | 44.2 - 146 | Acceptable |
| 6320 | Isophorone | | EPA 625 | µg/L | 113 | 106 | 61.1 - 129 | 44.2 - 146 | Acceptable |
| 6385 | 2-Methylnaphthalene | | EPA 8270 | µg/L | 88.4 | 66.6 | 31.5 - 97.2 | 16.9 - 104 | Acceptable |
| 6385 | 2-Methylnaphthalene | | EPA 625 | µg/L | 88.4 | 66.6 | 31.5 - 97.2 | 16.9 - 104 | Acceptable |
| 5005 | Naphthalene | | EPA 8270 | µg/L | 96.7 | 76.9 | 41.0 - 106 | 26.0 - 116 | Acceptable |
| 5005 | Naphthalene | | EPA 625 | µg/L | 96.7 | 76.9 | 41.0 - 106 | 26.0 - 116 | Acceptable |
| 5015 | Nitrobenzene | | EPA 8270 | µg/L | 136 | 107 | 62.5 - 150 | 42.1 - 164 | Acceptable |
| 5015 | Nitrobenzene | | EPA 625 | µg/L | 136 | 107 | 62.5 - 150 | 42.1 - 164 | Acceptable |
| 6530 | N-Nitrosodimethylamine | | EPA 8270 | µg/L | 116 | 66.7 | 12.7 - 128 | 11.6 - 137 | Acceptable |
| 6530 | N-Nitrosodimethylamine | | EPA 625 | µg/L | 116 | 66.7 | 12.7 - 128 | 11.6 - 137 | Acceptable |
| 6535 | N-Nitrosodiphenylamine | | EPA 8270 | µg/L | 82.8 | 76.3 | 34.9 - 97.5 | 19.2 - 113 | Acceptable |
| 6535 | N-Nitrosodiphenylamine | | EPA 625 | µg/L | 82.8 | 76.3 | 34.9 - 97.5 | 19.2 - 113 | Acceptable |
| 6545 | N-Nitroso-di-n-propylamine | | EPA 8270 | µg/L | 61.6 | 45.9 | 27.2 - 71.6 | 16.1 - 82.7 | Acceptable |
| 6545 | N-Nitroso-di-n-propylamine | | EPA 625 | µg/L | 61.6 | 45.9 | 27.2 - 71.6 | 16.1 - 82.7 | Acceptable |
| 6615 | Phenanthrene | | EPA 8270 | µg/L | 82.2 | 73.3 | 48.7 - 90.4 | 38.4 - 99.9 | Acceptable |
| 6615 | Phenanthrene | | EPA 625 | µg/L | 82.2 | 73.3 | 48.7 - 90.4 | 38.4 - 99.9 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP) cont'd** — **Lot #: 8079-27**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5825 | 4-Chlorophenyl-phenylether | | EPA 8270 | µg/L | 90.2 | 77.2 | 47.1 - 99.7 | 33.9 - 113 | Acceptable |
| 5825 | 4-Chlorophenyl-phenylether | | EPA 625 | µg/L | 90.2 | 77.2 | 47.1 - 99.7 | 33.9 - 113 | Acceptable |
| 5855 | Chrysene | | EPA 8270 | µg/L | 64.4 | 65.7 | 35.7 - 75.0 | 25.8 - 84.8 | Acceptable |
| 5855 | Chrysene | | EPA 625 | µg/L | 64.4 | 65.7 | 35.7 - 75.0 | 25.8 - 84.8 | Acceptable |
| 5895 | Dibenzo(a,h)anthracene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 5895 | Dibenzo(a,h)anthracene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 5905 | Dibenzofuran | | EPA 8270 | µg/L | 88.1 | 74.8 | 44.2 - 96.9 | 31.1 - 110 | Acceptable |
| 5905 | Dibenzofuran | | EPA 625 | µg/L | 88.1 | 74.8 | 44.2 - 96.9 | 31.1 - 110 | Acceptable |
| 5925 | Di-n-butylphthalate | | EPA 8270 | µg/L | 53.9 | 52.8 | 27.8 - 65.2 | 18.4 - 74.5 | Acceptable |
| 5925 | Di-n-butylphthalate | | EPA 625 | µg/L | 53.9 | 52.8 | 27.8 - 65.2 | 18.4 - 74.5 | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 8270 | µg/L | 82.6 | 54.6 | 24.8 - 90.9 | 10.4 - 97.1 | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 625 | µg/L | 82.6 | 54.6 | 24.8 - 90.9 | 10.4 - 97.1 | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 5945 | 3,3'-Dichlorobenzidine | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 5945 | 3,3'-Dichlorobenzidine | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6070 | Diethyl phthalate | | EPA 8270 | µg/L | 72.3 | 65.1 | 27.4 - 87.7 | 12.3 - 103 | Acceptable |
| 6070 | Diethyl phthalate | | EPA 625 | µg/L | 72.3 | 65.1 | 27.4 - 87.7 | 12.3 - 103 | Acceptable |
| 6135 | Dimethyl phthalate | | EPA 8270 | µg/L | 139 | 122 | 20.8 - 164 | 13.9 - 200 | Acceptable |
| 6135 | Dimethyl phthalate | | EPA 625 | µg/L | 139 | 122 | 20.8 - 164 | 13.9 - 200 | Acceptable |
| 6185 | 2,4-Dinitrotoluene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6185 | 2,4-Dinitrotoluene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6190 | 2,6-Dinitrotoluene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 6190 | 2,6-Dinitrotoluene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 6200 | Di-n-octylphthalate | | EPA 8270 | µg/L | 40.6 | 37.8 | 22.1 - 54.5 | 14.1 - 62.6 | Acceptable |
| 6200 | Di-n-octylphthalate | | EPA 625 | µg/L | 40.6 | 37.8 | 22.1 - 54.5 | 14.1 - 62.6 | Acceptable |
| 6255 | bis(2-ethylhexyl) phthalate | | EPA 8270 | µg/L | 39.9 | 36.9 | 20.1 - 51.3 | 12.4 - 59.1 | Acceptable |
| 6255 | bis(2-ethylhexyl) phthalate | | EPA 625 | µg/L | 39.9 | 36.9 | 20.1 - 51.3 | 12.4 - 59.1 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP)** — Lot #: 8079-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5500 | Acenaphthene | | EPA 8270 | µg/L | 103 | 88.3 | 54.3 - 113 | 40.7 - 122 | Acceptable |
| 5500 | Acenaphthene | | EPA 625 | µg/L | 103 | 88.3 | 54.3 - 113 | 40.7 - 122 | Acceptable |
| 5505 | Acenaphthylene | | EPA 8270 | µg/L | 146 | 123 | 78.2 - 161 | 58.6 - 176 | Acceptable |
| 5505 | Acenaphthylene | | EPA 625 | µg/L | 146 | 123 | 78.2 - 161 | 58.6 - 176 | Acceptable |
| 5555 | Anthracene | | EPA 8270 | µg/L | 123 | 123 | 68.5 - 136 | 51.6 - 153 | Acceptable |
| 5555 | Anthracene | | EPA 625 | µg/L | 123 | 123 | 68.5 - 136 | 51.6 - 153 | Acceptable |
| 5575 | Benzo(a)anthracene | | EPA 8270 | µg/L | 84.2 | 83.9 | 49.7 - 95.4 | 38.2 - 107 | Acceptable |
| 5575 | Benzo(a)anthracene | | EPA 625 | µg/L | 84.2 | 83.9 | 49.7 - 95.4 | 38.2 - 107 | Acceptable |
| 5585 | Benzo(b)fluoranthene | | EPA 8270 | µg/L | 37.6 | 38.3 | 19.5 - 45.4 | 13.0 - 51.9 | Acceptable |
| 5585 | Benzo(b)fluoranthene | | EPA 625 | µg/L | 37.6 | 38.3 | 19.5 - 45.4 | 13.0 - 51.9 | Acceptable |
| 5600 | Benzo(k)fluoranthene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 5600 | Benzo(k)fluoranthene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 5590 | Benzo(g,h,i)perylene | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 5590 | Benzo(g,h,i)perylene | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 5580 | Benzo(a)pyrene | | EPA 8270 | µg/L | 64.0 | 68.5 | 6.40 - 250 | 6.40 - 350 | Acceptable |
| 5580 | Benzo(a)pyrene | | EPA 625 | µg/L | 64.0 | 68.5 | 6.40 - 250 | 6.40 - 350 | Acceptable |
| 5595 | Benzidine | | EPA 8270 | µg/L | 0.00 | 0 | | | Acceptable |
| 5595 | Benzidine | | EPA 625 | µg/L | 0.00 | 0 | | | Acceptable |
| 5660 | 4-Bromophenyl-phenylether | | EPA 8270 | µg/L | 27.3 | 25.3 | 15.1 - 33.9 | 10.4 - 38.6 | Acceptable |
| 5660 | 4-Bromophenyl-phenylether | | EPA 625 | µg/L | 27.3 | 25.3 | 15.1 - 33.9 | 10.4 - 38.6 | Acceptable |
| 5670 | Butyl benzyl phthalate | | EPA 8270 | µg/L | 146 | 125 | 59.1 - 177 | 29.7 - 206 | Acceptable |
| 5670 | Butyl benzyl phthalate | | EPA 625 | µg/L | 146 | 125 | 59.1 - 177 | 29.7 - 206 | Acceptable |
| 5760 | bis(2-Chloroethoxy)methane | | EPA 8270 | µg/L | 38.8 | 29.9 | 20.5 - 42.7 | 15.1 - 47.5 | Acceptable |
| 5760 | bis(2-Chloroethoxy)methane | | EPA 625 | µg/L | 38.8 | 29.9 | 20.5 - 42.7 | 15.1 - 47.5 | Acceptable |
| 5765 | bis(2-Chloroethyl)ether | | EPA 8270 | µg/L | 196 | 141 | 81.9 - 216 | 51.3 - 235 | Acceptable |
| 5765 | bis(2-Chloroethyl)ether | | EPA 625 | µg/L | 196 | 141 | 81.9 - 216 | 51.3 - 235 | Acceptable |
| 5780 | bis(2-Chloroiospropyl) ether | | EPA 8270 | µg/L | 50.9 | 35.2 | 22.6 - 56.5 | 14.2 - 65.0 | Acceptable |
| 5780 | bis(2-Chloroiospropyl) ether | | EPA 625 | µg/L | 50.9 | 35.2 | 22.6 - 56.5 | 14.2 - 65.0 | Acceptable |
| 5795 | 2-Chloronaphthalene | | EPA 8270 | µg/L | 93.3 | 76.6 | 42.5 - 103 | 28.4 - 113 | Acceptable |
| 5795 | 2-Chloronaphthalene | | EPA 625 | µg/L | 93.3 | 76.6 | 42.5 - 103 | 28.4 - 113 | Acceptable |

Report Issue Date - 12/11/2008

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Volatiles GC (PT-VOAGC-WP)** — **Lot #: 8079-73**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 4375 | Benzene | | EPA 8021 | µg/L | 25.3 | 26.0 | 20.1 - 30.4 | 17.5 - 33.0 | Acceptable |
| 4375 | Benzene | | EPA 602 | µg/L | 25.3 | 26.0 | 20.1 - 30.4 | 17.5 - 33.0 | Acceptable |
| 4475 | Chlorobenzene | | EPA 8021 | µg/L | 70.0 | 61.9 | 56.7 - 81.4 | 50.5 - 87.6 | Acceptable |
| 4475 | Chlorobenzene | | EPA 602 | µg/L | 70.0 | 61.9 | 56.7 - 81.4 | 50.5 - 87.6 | Acceptable |
| 4610 | 1,2 Dichlorobenzene | | EPA 8021 | µg/L | 90.9 | 80.1 | 72.4 - 109 | 63.3 - 118 | Acceptable |
| 4610 | 1,2 Dichlorobenzene | | EPA 602 | µg/L | 90.9 | 80.1 | 72.4 - 109 | 63.3 - 118 | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | EPA 8021 | µg/L | 111 | 109 | 86.7 - 130 | 75.9 - 141 | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | EPA 602 | µg/L | 111 | 109 | 86.7 - 130 | 75.9 - 141 | Acceptable |
| 4620 | 1,4 Dichlorobenzene | | EPA 8021 | µg/L | 9.10 | 6.38 | 6.84 - 11.7 | 5.63 - 12.9 | Check for Error |
| 4620 | 1,4 Dichlorobenzene | | EPA 602 | µg/L | 9.10 | 6.38 | 6.84 - 11.7 | 5.63 - 12.9 | Check for Error |
| 4765 | Ethylbenzene | | EPA 8021 | µg/L | 45.6 | 38.8 | 35.8 - 53.7 | 31.3 - 58.2 | Acceptable |
| 4765 | Ethylbenzene | | EPA 602 | µg/L | 45.6 | 38.8 | 35.8 - 53.7 | 31.3 - 58.2 | Acceptable |
| 5005 | Naphthalene | | | µg/L | 38.1 | | 18.4 - 42.6 | 12.3 - 48.7 | NR |
| 5140 | Toluene | | EPA 8021 | µg/L | 32.7 | 27.4 | 25.8 - 38.3 | 22.7 - 41.4 | Acceptable |
| 5140 | Toluene | | EPA 602 | µg/L | 32.7 | 27.4 | 25.8 - 38.3 | 22.7 - 41.4 | Acceptable |
| 5260 | Xylenes, total | | EPA 8021 | µg/L | 146 | 137 | 102 - 177 | 83.7 - 196 | Acceptable |
| 5260 | Xylenes, total | | EPA 602 | µg/L | 146 | 137 | 102 - 177 | 83.7 - 196 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 5000 | Methyl tert-butyl ether (MTBE) | | EPA 8021 | µg/L | 100 | 89.2 | 76.6 - 127 | 64.1 - 139 | Acceptable |
| 5000 | Methyl tert-butyl ether (MTBE) | | EPA 602 | µg/L | 100 | 89.2 | 76.6 - 127 | 64.1 - 139 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 5210 | 1,2,4-Trimethylbenzene | | | µg/L | 13.4 | | | 9.43 - 17.7 | NR |
| 5215 | 1,3,5-Trimethylbenzene | | | µg/L | 12.4 | | | 8.77 - 16.2 | NR |

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**Volatiles (PT-VOA-WP) cont'd** — Lot #: 8079-26

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| **Additional State Specific Analytes cont'd** | | | | | | | | | |
| 4585 | 1,2-Dibromoethane (EDB) | | EPA 624 | µg/L | 19.1 | 17.5 | | 7.64 - 30.6 | Acceptable |
| 4595 | Dibromomethane | | EPA 8260 | µg/L | <5 | <1.0 | | | Acceptable |
| 4595 | Dibromomethane | | EPA 624 | µg/L | <5 | <1.0 | | | Acceptable |
| 4625 | Dichlorodifluoromethane | | EPA 8260 | µg/L | <5 | <1.0 | | | Acceptable |
| 4625 | Dichlorodifluoromethane | | EPA 624 | µg/L | <5 | <1.0 | | | Acceptable |
| 5105 | 1,1,1,2-Tetrachloroethane | | EPA 8260 | µg/L | 107 | 102 | | 42.8 - 171 | Acceptable |
| 5105 | 1,1,1,2-Tetrachloroethane | | EPA 624 | µg/L | 107 | 102 | | 42.8 - 171 | Acceptable |
| 5180 | 1,2,3-Trichloropropane | | EPA 8260 | µg/L | <5 | <1.0 | | | Acceptable |
| 5180 | 1,2,3-Trichloropropane | | EPA 624 | µg/L | <5 | <1.0 | | | Acceptable |
| 5225 | Vinyl acetate | | EPA 8260 | µg/L | <5 | <1.0 | | | Acceptable |
| 5225 | Vinyl acetate | | EPA 624 | µg/L | <5 | <1.0 | | | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Volatiles (PT-VOA-WP) cont'd** — **Lot #: 8079-26**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5260 | Xylenes, total | | EPA 8260 | µg/L | 31.9 | 31.3 | 22.1 - 40.8 | 17.5 - 45.4 | Acceptable |
| 5260 | Xylenes, total | | EPA 624 | µg/L | 31.9 | 31.3 | 22.1 - 40.8 | 17.5 - 45.4 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 4630 | 1,1-Dichloroethane | | EPA 8260 | µg/L | 56.7 | 62.2 | 45.3 - 71.2 | 38.9 - 77.7 | Acceptable |
| 4630 | 1,1-Dichloroethane | | EPA 624 | µg/L | 56.7 | 62.2 | 45.3 - 71.2 | 38.9 - 77.7 | Acceptable |
| 4645 | cis-1,2-Dichloroethene | | EPA 8260 | µg/L | 113 | 110 | 94.5 - 139 | 83.4 - 150 | Acceptable |
| 4645 | cis-1,2-Dichloroethene | | EPA 624 | µg/L | 113 | 110 | 94.5 - 139 | 83.4 - 150 | Acceptable |
| 4680 | cis-1,3-Dichloropropylene | | EPA 8260 | µg/L | 57.1 | 52.5 | | 40.0 - 74.2 | Acceptable |
| 4680 | cis-1,3-Dichloropropylene | | EPA 624 | µg/L | 57.1 | 52.5 | | 40.0 - 74.2 | Acceptable |
| 4860 | 2-Hexanone | | EPA 8260 | µg/L | 105 | 91.2 | 70.2 - 137 | 53.5 - 154 | Acceptable |
| 4860 | 2-Hexanone | | EPA 624 | µg/L | 105 | 91.2 | 70.2 - 137 | 53.5 - 154 | Acceptable |
| 5000 | Methyl tert-butyl ether (MTBE) | | EPA 8260 | µg/L | 42.0 | 39.6 | 31.6 - 54.2 | 26.0 - 59.8 | Acceptable |
| 5000 | Methyl tert-butyl ether (MTBE) | | EPA 624 | µg/L | 42.0 | 39.6 | 31.6 - 54.2 | 26.0 - 59.8 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 4320 | Acetonitrile | | EPA 8260 | µg/L | <5 | <2.0 | | | Acceptable |
| 4320 | Acetonitrile | | EPA 624 | µg/L | <5 | <2.0 | | | Acceptable |
| 4325 | Acrolein | | EPA 8260 | µg/L | <5 | <5.0 | | | Acceptable |
| 4325 | Acrolein | | EPA 624 | µg/L | <5 | <5.0 | | | Acceptable |
| 4340 | Acrylonitrile | | EPA 8260 | µg/L | <5 | <5.0 | | | Acceptable |
| 4340 | Acrylonitrile | | EPA 624 | µg/L | <5 | <5.0 | | | Acceptable |
| 4410 | 2-Butanone (MEK) | | EPA 8260 | µg/L | <5 | <5.0 | | | Acceptable |
| 4410 | 2-Butanone (MEK) | | EPA 624 | µg/L | <5 | <5.0 | | | Acceptable |
| 4450 | Carbon disulfide | | EPA 8260 | µg/L | <5 | <1.0 | | | Acceptable |
| 4450 | Carbon disulfide | | EPA 624 | µg/L | <5 | <1.0 | | | Acceptable |
| 4500 | 2-Chloroethylvinylether | | EPA 8260 | µg/L | <5 | <5.0 | | | Acceptable |
| 4500 | 2-Chloroethylvinylether | | EPA 624 | µg/L | <5 | <5.0 | | | Acceptable |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | | EPA 8260 | µg/L | 184 | 178 | | 110 - 294 | Acceptable |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | | EPA 624 | µg/L | 184 | 178 | | 110 - 294 | Acceptable |
| 4585 | 1,2-Dibromoethane (EDB) | | EPA 8260 | µg/L | 19.1 | 17.5 | | 7.64 - 30.6 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Volatiles (PT-VOA-WP) cont'd** — **Lot #: 8079-26**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 4700 | trans-1,2-Dichloroethene | | EPA 8260 | µg/L | 122 | 128 | 92.3 - 151 | 77.7 - 165 | Acceptable |
| 4700 | trans-1,2-Dichloroethene | | EPA 624 | µg/L | 122 | 128 | 92.3 - 151 | 77.7 - 165 | Acceptable |
| 4655 | 1,2-Dichloropropane | | EPA 8260 | µg/L | 55.6 | 51.1 | 42.5 - 67.3 | 36.3 - 73.5 | Acceptable |
| 4655 | 1,2-Dichloropropane | | EPA 624 | µg/L | 55.6 | 51.1 | 42.5 - 67.3 | 36.3 - 73.5 | Acceptable |
| 4685 | trans-1,3-Dichloropropene | | EPA 8260 | µg/L | 35.7 | 32.6 | 26.6 - 43.6 | 22.4 - 47.8 | Acceptable |
| 4685 | trans-1,3-Dichloropropene | | EPA 624 | µg/L | 35.7 | 32.6 | 26.6 - 43.6 | 22.4 - 47.8 | Acceptable |
| 4765 | Ethylbenzene | | EPA 8260 | µg/L | 91.8 | 88.3 | 72.3 - 107 | 63.5 - 116 | Acceptable |
| 4765 | Ethylbenzene | | EPA 624 | µg/L | 91.8 | 88.3 | 72.3 - 107 | 63.5 - 116 | Acceptable |
| 4975 | Methylene Chloride | | EPA 8260 | µg/L | 101 | 103 | 74.9 - 127 | 62.0 - 140 | Acceptable |
| 4975 | Methylene Chloride | | EPA 624 | µg/L | 101 | 103 | 74.9 - 127 | 62.0 - 140 | Acceptable |
| 4995 | 4-Methyl-2-pentanone (MIBK) | | EPA 8260 | µg/L | 59.7 | 53.8 | 36.8 - 79.9 | 26.0 - 90.7 | Acceptable |
| 4995 | 4-Methyl-2-pentanone (MIBK) | | EPA 624 | µg/L | 59.7 | 53.8 | 36.8 - 79.9 | 26.0 - 90.7 | Acceptable |
| 5100 | Styrene | | EPA 8260 | µg/L | 95.4 | 80.8 | 72.2 - 119 | 60.5 - 131 | Acceptable |
| 5100 | Styrene | | EPA 624 | µg/L | 95.4 | 80.8 | 72.2 - 119 | 60.5 - 131 | Acceptable |
| 5110 | 1,1,2,2-Tetrachloroethane | | EPA 8260 | µg/L | 73.8 | 75.5 | 53.8 - 97.2 | 42.9 - 108 | Acceptable |
| 5110 | 1,1,2,2-Tetrachloroethane | | EPA 624 | µg/L | 73.8 | 75.5 | 53.8 - 97.2 | 42.9 - 108 | Acceptable |
| 5115 | Tetrachloroethene | | EPA 8260 | µg/L | 33.0 | 32.1 | 22.0 - 39.1 | 17.8 - 43.4 | Acceptable |
| 5115 | Tetrachloroethene | | EPA 624 | µg/L | 33.0 | 32.1 | 22.0 - 39.1 | 17.8 - 43.4 | Acceptable |
| 5140 | Toluene | | EPA 8260 | µg/L | 69.0 | 71.5 | 54.3 - 79.9 | 47.9 - 86.3 | Acceptable |
| 5140 | Toluene | | EPA 624 | µg/L | 69.0 | 71.5 | 54.3 - 79.9 | 47.9 - 86.3 | Acceptable |
| 5160 | 1,1,1-Trichloroethane | | EPA 8260 | µg/L | 14.1 | 13.8 | 10.8 - 17.7 | 9.02 - 19.4 | Acceptable |
| 5160 | 1,1,1-Trichloroethane | | EPA 624 | µg/L | 14.1 | 13.8 | 10.8 - 17.7 | 9.02 - 19.4 | Acceptable |
| 5165 | 1,1,2-Trichloroethane | | EPA 8260 | µg/L | 80.1 | 71.5 | 63.5 - 95.7 | 55.5 - 104 | Acceptable |
| 5165 | 1,1,2-Trichloroethane | | EPA 624 | µg/L | 80.1 | 71.5 | 63.5 - 95.7 | 55.5 - 104 | Acceptable |
| 5170 | Trichloroethene | | EPA 8260 | µg/L | 25.4 | 24.0 | 19.0 - 31.0 | 16.0 - 33.9 | Acceptable |
| 5170 | Trichloroethene | | EPA 624 | µg/L | 25.4 | 24.0 | 19.0 - 31.0 | 16.0 - 33.9 | Acceptable |
| 5175 | Trichlorofluoromethane | | EPA 8260 | µg/L | 75.8 | 42.4 | | 30.3 - 121 | Acceptable |
| 5175 | Trichlorofluoromethane | | EPA 624 | µg/L | 75.8 | 42.4 | | 30.3 - 121 | Acceptable |
| 5235 | Vinyl chloride | | EPA 8260 | µg/L | 45.4 | 40.2 | | 18.2 - 72.6 | Acceptable |
| 5235 | Vinyl chloride | | EPA 624 | µg/L | 45.4 | 40.2 | | 18.2 - 72.6 | Acceptable |

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Volatiles (PT-VOA-WP)** — **Lot #: 8079-26**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 4375 | Benzene | | EPA 8260 | µg/L | 104 | 96.1 | 85.3 - 122 | 76.2 - 131 | Acceptable |
| 4375 | Benzene | | EPA 624 | µg/L | 104 | 96.1 | 85.3 - 122 | 76.2 - 131 | Acceptable |
| 4395 | Bromodichloromethane | | EPA 8260 | µg/L | 45.5 | 40.5 | 36.9 - 56.5 | 32.0 - 61.4 | Acceptable |
| 4395 | Bromodichloromethane | | EPA 624 | µg/L | 45.5 | 40.5 | 36.9 - 56.5 | 32.0 - 61.4 | Acceptable |
| 4400 | Bromoform | | EPA 8260 | µg/L | 69.7 | 58.3 | 53.6 - 87.6 | 45.0 - 96.2 | Acceptable |
| 4400 | Bromoform | | EPA 624 | µg/L | 69.7 | 58.3 | 53.6 - 87.6 | 45.0 - 96.2 | Acceptable |
| 4950 | Bromomethane | | EPA 8260 | µg/L | 52.0 | 41.6 | | 20.8 - 83.2 | Acceptable |
| 4950 | Bromomethane | | EPA 624 | µg/L | 52.0 | 41.6 | | 20.8 - 83.2 | Acceptable |
| 4455 | Carbon tetrachloride | | EPA 8260 | µg/L | 19.1 | 19.5 | 13.5 - 23.9 | 10.9 - 26.5 | Acceptable |
| 4455 | Carbon tetrachloride | | EPA 624 | µg/L | 19.1 | 19.5 | 13.5 - 23.9 | 10.9 - 26.5 | Acceptable |
| 4475 | Chlorobenzene | | EPA 8260 | µg/L | 39.1 | 37.2 | 31.7 - 45.7 | 28.1 - 49.2 | Acceptable |
| 4475 | Chlorobenzene | | EPA 624 | µg/L | 39.1 | 37.2 | 31.7 - 45.7 | 28.1 - 49.2 | Acceptable |
| 4485 | Chloroethane | | EPA 8260 | µg/L | 45.0 | 46.7 | | 18.0 - 72.0 | Acceptable |
| 4485 | Chloroethane | | EPA 624 | µg/L | 45.0 | 46.7 | | 18.0 - 72.0 | Acceptable |
| 4505 | Chloroform | | EPA 8260 | µg/L | 43.5 | 41.6 | 34.4 - 52.1 | 30.0 - 56.5 | Acceptable |
| 4505 | Chloroform | | EPA 624 | µg/L | 43.5 | 41.6 | 34.4 - 52.1 | 30.0 - 56.5 | Acceptable |
| 4960 | Chloromethane | | EPA 8260 | µg/L | 0.00 | <1.0 | | | Acceptable |
| 4960 | Chloromethane | | EPA 624 | µg/L | 0.00 | <1.0 | | | Acceptable |
| 4575 | Dibromochloromethane | | EPA 8260 | µg/L | 121 | 111 | 96.1 - 148 | 83.2 - 161 | Acceptable |
| 4575 | Dibromochloromethane | | EPA 624 | µg/L | 121 | 111 | 96.1 - 148 | 83.2 - 161 | Acceptable |
| 4610 | 1,2 Dichlorobenzene | | EPA 8260 | µg/L | 46.5 | 44.3 | 36.8 - 55.8 | 32.0 - 60.5 | Acceptable |
| 4610 | 1,2 Dichlorobenzene | | EPA 624 | µg/L | 46.5 | 44.3 | 36.8 - 55.8 | 32.0 - 60.5 | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | EPA 8260 | µg/L | 0.00 | <1.0 | | | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | EPA 624 | µg/L | 0.00 | <1.0 | | | Acceptable |
| 4620 | 1,4 Dichlorobenzene | | EPA 8260 | µg/L | 42.4 | 42.9 | 32.7 - 49.6 | 28.5 - 53.8 | Acceptable |
| 4620 | 1,4 Dichlorobenzene | | EPA 624 | µg/L | 42.4 | 42.9 | 32.7 - 49.6 | 28.5 - 53.8 | Acceptable |
| 4635 | 1,2 Dichloroethane | | EPA 8260 | µg/L | 143 | 142 | 114 - 172 | 99.4 - 186 | Acceptable |
| 4635 | 1,2 Dichloroethane | | EPA 624 | µg/L | 143 | 142 | 114 - 172 | 99.4 - 186 | Acceptable |
| 4640 | 1,1-Dichloroethene | | EPA 8260 | µg/L | 32.0 | 34.6 | 21.7 - 41.7 | 16.8 - 46.7 | Acceptable |
| 4640 | 1,1-Dichloroethene | | EPA 624 | µg/L | 32.0 | 34.6 | 21.7 - 41.7 | 16.8 - 46.7 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Turbidity (PT-TURB-WP)** — Lot #: 8079-20

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2055 | Turbidity | | 180.1 | NTU | 15.3 | 28.0 | 13.8 - 16.8 | 13.1 - 17.1 | Not Acceptable |
| 2055 | Turbidity | | SM2130B | NTU | 15.3 | 28.0 | 13.8 - 16.8 | 13.1 - 17.1 | Not Acceptable |

**Silica (PT-SIO2-WP)** — Lot #: 8079-21

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1990 | Silica (as SiO2) | | 200.7 | mg/L | 179 | 183 | | 134 - 223 | Acceptable |
| 1990 | Silica (as SiO2) | | 6010 | mg/L | 179 | 183 | | 134 - 223 | Acceptable |

**Color (PT-COL-WP)** — Lot #: 8079-51

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1605 | Color | | SM2120 | CU | 24.4 | 10.0 | | 14.4 - 34.4 | Not Acceptable |
| 1605 | Color | | EPA 110.2 | CU | 24.4 | 10.0 | | 14.4 - 34.4 | Not Acceptable |

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**Phenolics (PT-PHEN-WP) — Lot #: 8079-16**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1905 | Total Phenolics (4AAP) | | 420.2 | mg/L | 0.535 | 0.619 | 0.371 - 0.889 | 0.289 - 0.889 | Acceptable |
| 1905 | Total Phenolics (4AAP) | | 9066 | mg/L | 0.535 | 0.619 | 0.371 - 0.889 | 0.289 - 0.889 | Acceptable |
| 1905 | Total Phenolics (4AAP) | | EPA 420.4 | mg/L | 0.535 | 0.619 | 0.371 - 0.889 | 0.289 - 0.889 | Acceptable |

**Sulfide (PT-S2-WP) — Lot #: 8079-22**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2005 | Sulfide | | SM4500-SF | mg/L | 5.87 | 16.2 | 3.56 - 7.52 | 2.57 - 8.51 | Not Acceptable |
| 2005 | Sulfide | | EPA 376.1 | mg/L | 5.87 | 16.2 | 3.56 - 7.52 | 2.57 - 8.51 | Not Acceptable |

**Surfactants (PT-MBAS-WP) — Lot #: 8079-23**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | Surfactants - MBAS | | SM5540 | mg/L | 0.518 | 0.434 | 0.386 - 0.680 | 0.313 - 0.753 | Acceptable |
| 2025 | Surfactants - MBAS | | EPA 425.1 | mg/L | 0.518 | 0.434 | 0.386 - 0.680 | 0.313 - 0.753 | Acceptable |

**TPH (PT-TPH-WP) — Lot #: 8079-25**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1935 | Total Petroleum Hydrocarbons (TPH) | | EPA 1664 | mg/L | 55.3 | 19.6 | 34.2 - 70.7 | 25.0 - 79.9 | Not Acceptable |

**Settleable Solids (PT-SSOL-WP) — Lot #: 8079-17**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| **NELAC Experimental Analytes** | | | | | | | | | |
| 1965 | Settleable Solids | | 160.5 | mL/L/hr | 25.9 | 24.5 | 22.4 - 31.1 | 20.3 - 33.3 | Acceptable |
| 1965 | Settleable Solids | | SM2540F | mL/L/hr | 25.9 | 24.5 | 22.4 - 31.1 | 20.3 - 33.3 | Acceptable |

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EPA Lab ID: FL00449

**Nutrients - #3 (PT-NUT-WP(3))** — Lot #: 8079-69

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1840 | Nitrite as N | | 300.0 | mg/L | 0.789 | 0.767 | 0.674 - 0.896 | 0.619 - 0.952 | Acceptable |
| 1840 | Nitrite as N | | SM4500-NO2B | mg/L | 0.789 | 0.744 | 0.674 - 0.896 | 0.619 - 0.952 | Acceptable |
| 1840 | Nitrite as N | | EPA 354.1 | mg/L | 0.789 | 0.744 | 0.674 - 0.896 | 0.619 - 0.952 | Acceptable |

**Oil & Grease (PT-OGR-WP)** — Lot #: 8079-12

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1860 | Oil & Grease | | EPA 1664 | mg/L | 77.4 | 37.3 | 59.8 - 85.1 | 53.5 - 91.2 | Not Acceptable |

**Residual Chlorine (PT-CL-WP)** — Lot #: 8079-13

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1940 | Total Residual Chlorine | | 330.5 | mg/L | 1.65 | 1.58 | 1.32 - 1.89 | 1.18 - 2.04 | Acceptable |

**pH (PT-PH-WP)** — Lot #: 8079-15

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1900 | pH | | SM4500H+B | S.U. | 7.95 | 7.75 | | 7.55 - 7.95 | Acceptable |
| 1900 | pH | | 9040 | S.U. | 7.95 | 7.75 | | 7.55 - 7.95 | Acceptable |
| 1900 | pH | | EPA 150.1 | S.U. | 7.95 | 7.75 | | 7.55 - 7.95 | Acceptable |

**Total Cyanide (PT-CN-WP)** — Lot #: 8079-14

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1645 | Total Cyanide | | 335.4 | mg/L | 0.211 | 0.211 | 0.129 - 0.300 | 0.0862 - 0.343 | Acceptable |
| 1645 | Total Cyanide | | 9012 | mg/L | 0.211 | 0.211 | 0.129 - 0.300 | 0.0862 - 0.343 | Acceptable |
| 1645 | Total Cyanide | | EPA 335.1 | mg/L | 0.211 | 0.167 | 0.129 - 0.300 | 0.0862 - 0.343 | Acceptable |
| 1645 | Total Cyanide | | SM4500CNG | mg/L | 0.211 | 0.167 | 0.129 - 0.300 | 0.0862 - 0.343 | Acceptable |

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EPA Lab ID: FL00449

**Specific Conductance (PT-COND-WP) — Lot #: 8079-72**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1610 | Specific Conductance (25°C) | | EPA 120.1 | µmhos/cm | 277 | 326 | 248 - 303 | 245 - 310 | Not Acceptable |

**Solids (PT-SOL-WP) — Lot #: 8079-09**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1955 | Total Dissolved Solids at 180° (TFR) | | SM2540C | mg/L | 496 | 449 | 419 - 573 | 381 - 611 | Acceptable |
| 1955 | Total Dissolved Solids at 180° (TFR) | | EPA 160.1 | mg/L | 496 | 449 | 419 - 573 | 381 - 611 | Acceptable |
| 1960 | Non-Filterable Residue (TSS) | | SM2540D | mg/L | 17.0 | 21.9 | 11.7 - 20.1 | 9.64 - 22.0 | Check for Error |
| 1960 | Non-Filterable Residue (TSS) | | EPA 160.2 | mg/L | 17.0 | 21.9 | 11.7 - 20.1 | 9.64 - 22.0 | Check for Error |
| 1950 | Total Solids | | SM2540B | mg/L | 540 | 516 | 486 - 594 | 486 - 594 | Acceptable |
| 1950 | Total Solids | | EPA 160.3 | mg/L | 540 | 516 | 486 - 594 | 486 - 594 | Acceptable |

**Nutrients - #1 (PT-NUT-WP(1)) — Lot #: 8079-10**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1515 | Ammonia as N | | 350.1 | mg/L | 12.7 | 12.2 | 10.5 - 14.7 | 9.44 - 15.8 | Acceptable |
| 1810 | Nitrate as N | | 300.0 | mg/L | 25.2 | 25.3 | 21.4 - 28.6 | 19.6 - 30.4 | Acceptable |
| 1810 | Nitrate as N | | 353.2 | mg/L | 25.2 | 25.8 | 21.4 - 28.6 | 19.6 - 30.4 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | 300.0 | mg/L | 25.2 | 25.3 | 22.0 - 27.8 | 20.5 - 29.3 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | 353.2 | mg/L | 25.2 | 25.8 | 22.0 - 27.8 | 20.5 - 29.3 | Acceptable |
| 1870 | Orthophosphate as P | | 300.0 | mg/L | 4.01 | 3.97 | 3.54 - 4.51 | 3.30 - 4.75 | Acceptable |
| 1870 | Orthophosphate as P | | 365.1 | mg/L | 4.01 | 4.11 | 3.54 - 4.51 | 3.30 - 4.75 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 9056 | mg/L | 4.01 | 3.97 | 3.54 - 4.51 | 3.30 - 4.75 | Acceptable |

**Nutrients - #2 (PT-NUT-WP(2)) — Lot #: 8079-11**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1795 | Total Kjeldahl Nitrogen (TKN) | | 351.2 | mg/L | 15.2 | 16.1 | 11.7 - 18.0 | 10.1 - 19.6 | Acceptable |
| 1910 | Total Phosphorous | | 365.1 | mg/L | 5.79 | 6.02 | 5.12 - 6.52 | 4.76 - 6.88 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Minerals (PT-MIN-WP)** — Lot #: 8079-08

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1505 | Total Alkalinity(as CaCO3) | | SM2320B | mg/L | 41.0 | 40.0 | 36.9 - 45.6 | 35.0 - 47.7 | Acceptable |
| 1035 | Calcium | | EPA 6010 | mg/L | 56.5 | 61.4 | 50.8 - 62.2 | 50.5 - 64.1 | Acceptable |
| 1035 | Calcium | | 200.7 | mg/L | 56.5 | 61.4 | 50.8 - 62.2 | 50.5 - 64.1 | Acceptable |
| 1575 | Chloride | | EPA 300.0 | mg/L | 54.0 | 54.9 | 48.6 - 59.8 | 45.9 - 62.6 | Acceptable |
| 1575 | Chloride | | SM4500CLE | mg/L | 54.0 | 60.1 | 48.6 - 59.8 | 45.9 - 62.6 | Check for Error |
| 1575 | Chloride | | EPA 9056 | mg/L | 54.0 | 54.9 | 48.6 - 59.8 | 45.9 - 62.6 | Acceptable |
| 1575 | Chloride | | 9251 | mg/L | 54.0 | 54.9 | 48.6 - 59.8 | 45.9 - 62.6 | Acceptable |
| 1575 | Chloride | | 325.2 | mg/L | 54.0 | 54.9 | 48.6 - 59.8 | 45.9 - 62.6 | Acceptable |
| 1730 | Fluoride | | EPA 300.0 | mg/L | 2.93 | 2.93 | 2.61 - 3.26 | 2.44 - 3.43 | Acceptable |
| 1730 | Fluoride | | EPA 9056 | mg/L | 2.93 | 2.93 | 2.61 - 3.26 | 2.44 - 3.43 | Acceptable |
| 1550 | Calcium Hardness (as CaCO3) | | SM2340B | mg/L | 141 | 153 | 127 - 155 | 126 - 160 | Acceptable |
| 1550 | Calcium Hardness (as CaCO3) | | 200.7 | mg/L | 141 | 153 | 127 - 155 | 126 - 160 | Acceptable |
| 1755 | Total Hardness (as CaCO3) | | SM2340B | mg/L | 179 | 194 | 161 - 197 | 158 - 203 | Acceptable |
| 1755 | Total Hardness (as CaCO3) | | 200.7 | mg/L | 179 | 194 | 161 - 197 | 158 - 203 | Acceptable |
| 1085 | Magnesium | | EPA 6010 | mg/L | 9.20 | 9.85 | 8.27 - 10.1 | 7.82 - 10.5 | Acceptable |
| 1085 | Magnesium | | 200.7 | mg/L | 9.20 | 9.85 | 8.27 - 10.1 | 7.82 - 10.5 | Acceptable |
| 1125 | Potassium | | EPA 6010 | mg/L | 29.4 | 31.5 | 26.1 - 33.2 | 24.3 - 35.0 | Acceptable |
| 1125 | Potassium | | 200.7 | mg/L | 29.4 | 31.5 | 26.1 - 33.2 | 24.3 - 35.0 | Acceptable |
| 1155 | Sodium | | EPA 6010 | mg/L | 73.3 | 77.2 | 65.9 - 80.6 | 62.2 - 84.0 | Acceptable |
| 1155 | Sodium | | 200.7 | mg/L | 73.3 | 77.2 | 65.9 - 80.6 | 62.2 - 84.0 | Acceptable |
| 2000 | Sulfate | | EPA 300.0 | mg/L | 102 | 102 | 90.0 - 112 | 84.8 - 116 | Acceptable |
| 2000 | Sulfate | | EPA 9056 | mg/L | 102 | 102 | 90.0 - 112 | 84.8 - 116 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 1540 | Bromide | | EPA 600.0 | mg/L | 7.40 | 7.45 | | 6.29 - 8.51 | Acceptable |
| 1540 | Bromide | | EPA 9056 | mg/L | 7.40 | 7.45 | | 6.29 - 8.51 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| - | Total Inorganic Carbon | | | mg/L | 9.79 | | | 4.90 - 14.7 | NR |

Report Issue Date - 12/11/2008

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# Final Report - Water Pollution Proficiency Testing

## Study: WP1008

### Opening Date: October 6, 2008 - Closing Date: November 20, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Tin and Titanium (PT-SNTI-WP)** — Lot #: 8079-38

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1175 | Tin | | EPA 200.7 | µg/L | 2300 | 2340 | 1980 - 2630 | 1810 - 2790 | Acceptable |
| 1175 | Tin | | EPA 6010 | µg/L | 2300 | 2340 | 1980 - 2630 | 1810 - 2790 | Acceptable |
| 1175 | Tin | | EPA 200.8 | µg/L | 2300 | 2311 | 1980 - 2630 | 1810 - 2790 | Acceptable |
| 1175 | Tin | | EPA 6020 | µg/L | 2300 | 2311 | 1980 - 2630 | 1810 - 2790 | Acceptable |
| 1180 | Titanium | | EPA 200.7 | µg/L | 106 | 108 | 95.2 - 117 | 90.2 - 120 | Acceptable |
| 1180 | Titanium | | EPA 6010 | µg/L | 106 | 108 | 95.2 - 117 | 90.2 - 120 | Acceptable |

**Chromium VI (PT-CR6-WP)** — Lot #: 8079-06

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1045 | Chromium VI | | 7196A | µg/L | 681 | 0.637 | 597 - 760 | 556 - 800 | Not Acceptable |

**Demand (PT-DEM-WP)** — Lot #: 8079-07

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1530 | BOD | | SM5210B | mg/L | 118 | 88.6 | 78.9 - 156 | 59.5 - 176 | Acceptable |
| 1530 | BOD | | EPA 405.1 | mg/L | 118 | 88.6 | 78.9 - 156 | 59.5 - 176 | Acceptable |
| 1555 | CBOD | | SM5210B | mg/L | 101 | 80.1 | 64.0 - 138 | 45.4 - 157 | Acceptable |
| 1565 | COD | | EPA 410.4 | mg/L | 186 | 177 | 155 - 205 | 144 - 211 | Acceptable |
| 2040 | TOC | | SM5310B | mg/L | 69.8 | 72.4 | 62.0 - 76.8 | 58.3 - 80.3 | Acceptable |
| 2040 | TOC | | EPA 415.1 | mg/L | 69.8 | 72.4 | 62.0 - 76.8 | 58.3 - 80.3 | Acceptable |
| 2040 | TOC | | EPA 9060 | mg/L | 69.8 | 72.4 | 62.0 - 76.8 | 58.3 - 80.3 | Acceptable |

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Boca Raton, FL 33431
USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Trace Metals (PT-TM-WP) cont'd** — Lot #: 8079-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1140 | Selenium | | EPA 200.7 | µg/L | 636 | 687 | 543 - 700 | 504 - 737 | Acceptable |
| 1140 | Selenium | | EPA 6010 | µg/L | 636 | 687 | 543 - 700 | 504 - 737 | Acceptable |
| 1150 | Silver | | EPA 200.8 | µg/L | 285 | 294 | 257 - 314 | 244 - 327 | Acceptable |
| 1150 | Silver | | EPA 6020 | µg/L | 285 | 294 | 257 - 314 | 244 - 327 | Acceptable |
| 1150 | Silver | | EPA 200.7 | µg/L | 285 | 73.9 | 257 - 314 | 244 - 327 | Not Acceptable |
| 1150 | Silver | | EPA 6010 | µg/L | 285 | 73.9 | 257 - 314 | 244 - 327 | Not Acceptable |
| 1160 | Strontium | | EPA 200.8 | µg/L | 176 | 182 | 158 - 194 | 152 - 200 | Acceptable |
| 1160 | Strontium | | EPA 6020 | µg/L | 176 | 182 | 158 - 194 | 152 - 200 | Acceptable |
| 1160 | Strontium | | EPA 200.7 | µg/L | 176 | 182 | 158 - 194 | 152 - 200 | Acceptable |
| 1160 | Strontium | | EPA 6010 | µg/L | 176 | 182 | 158 - 194 | 152 - 200 | Acceptable |
| 1165 | Thallium | | EPA 200.8 | µg/L | 662 | 692 | 582 - 748 | 541 - 789 | Acceptable |
| 1165 | Thallium | | EPA 6020 | µg/L | 662 | 692 | 582 - 748 | 541 - 789 | Acceptable |
| 1165 | Thallium | | EPA 200.7 | µg/L | 662 | 688 | 582 - 748 | 541 - 789 | Acceptable |
| 1165 | Thallium | | EPA 6010 | µg/L | 662 | 688 | 582 - 748 | 541 - 789 | Acceptable |
| 1185 | Vanadium | | EPA 200.8 | µg/L | 1300 | 1410 | 1170 - 1420 | 1140 - 1450 | Acceptable |
| 1185 | Vanadium | | EPA 6020 | µg/L | 1300 | 1410 | 1170 - 1420 | 1140 - 1450 | Acceptable |
| 1185 | Vanadium | | EPA 200.7 | µg/L | 1300 | 1350 | 1170 - 1420 | 1140 - 1450 | Acceptable |
| 1185 | Vanadium | | EPA 6010 | µg/L | 1300 | 1350 | 1170 - 1420 | 1140 - 1450 | Acceptable |
| 1190 | Zinc | | EPA 200.8 | µg/L | 768 | 778 | 691 - 846 | 660 - 883 | Acceptable |
| 1190 | Zinc | | EPA 6020 | µg/L | 768 | 778 | 691 - 846 | 660 - 883 | Acceptable |
| 1190 | Zinc | | EPA 200.7 | µg/L | 768 | 868 | 691 - 846 | 660 - 883 | Check for Error |
| 1190 | Zinc | | EPA 6010 | µg/L | 768 | 868 | 691 - 846 | 660 - 883 | Check for Error |

**Mercury (PT-HG-WP)** — Lot #: 8079-05

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1095 | Mercury | | EPA 245.1 | µg/L | 13.9 | 6.24 | 10.5 - 17.4 | 8.84 - 19.1 | Not Acceptable |
| 1095 | Mercury | | EPA 7470 | µg/L | 13.9 | 6.24 | 10.5 - 17.4 | 8.84 - 19.1 | Not Acceptable |

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# Final Report - Water Pollution Proficiency Testing

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Trace Metals (PT-TM-WP) cont'd** — **Lot #: 8079-04**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1050 | Cobalt | | EPA 200.8 | µg/L | 374 | 400 | 337 - 411 | 328 - 420 | Acceptable |
| 1050 | Cobalt | | EPA 6020 | µg/L | 374 | 400 | 337 - 411 | 328 - 420 | Acceptable |
| 1050 | Cobalt | | EPA 200.7 | µg/L | 374 | 410 | 337 - 411 | 328 - 420 | Acceptable |
| 1050 | Cobalt | | EPA 6010 | µg/L | 374 | 410 | 337 - 411 | 328 - 420 | Acceptable |
| 1055 | Copper | | EPA 200.8 | µg/L | 305 | 321 | 275 - 336 | 275 - 337 | Acceptable |
| 1055 | Copper | | EPA 6020 | µg/L | 305 | 321 | 275 - 336 | 275 - 337 | Acceptable |
| 1055 | Copper | | EPA 200.7 | µg/L | 305 | 326 | 275 - 336 | 275 - 337 | Acceptable |
| 1055 | Copper | | EPA 6010 | µg/L | 305 | 326 | 275 - 336 | 275 - 337 | Acceptable |
| 1070 | Iron | | EPA 200.8 | µg/L | 758 | 775 | 682 - 834 | 669 - 858 | Acceptable |
| 1070 | Iron | | EPA 6020 | µg/L | 758 | 775 | 682 - 834 | 669 - 858 | Acceptable |
| 1070 | Iron | | EPA 200.7 | µg/L | 758 | 758 | 682 - 834 | 669 - 858 | Acceptable |
| 1070 | Iron | | EPA 6010 | µg/L | 758 | 758 | 682 - 834 | 669 - 858 | Acceptable |
| 1075 | Lead | | EPA 200.8 | µg/L | 1010 | 1050 | 913 - 1120 | 889 - 1130 | Acceptable |
| 1075 | Lead | | EPA 6020 | µg/L | 1010 | 7050 | 913 - 1120 | 889 - 1130 | Not Acceptable |
| 1075 | Lead | | EPA 200.7 | µg/L | 1010 | 1090 | 913 - 1120 | 889 - 1130 | Acceptable |
| 1075 | Lead | | EPA 6010 | µg/L | 1010 | 1090 | 913 - 1120 | 889 - 1130 | Acceptable |
| 1090 | Manganese | | EPA 200.8 | µg/L | 2630 | 2580 | 2370 - 2900 | 2370 - 2930 | Acceptable |
| 1090 | Manganese | | EPA 6020 | µg/L | 2630 | 2580 | 2370 - 2900 | 2370 - 2930 | Acceptable |
| 1090 | Manganese | | EPA 200.7 | µg/L | 2630 | 2690 | 2370 - 2900 | 2370 - 2930 | Acceptable |
| 1090 | Manganese | | EPA 6010 | µg/L | 2630 | 2690 | 2370 - 2900 | 2370 - 2930 | Acceptable |
| 1100 | Molybdenum | | EPA 200.8 | µg/L | 113 | 118 | 98.1 - 127 | 90.9 - 134 | Acceptable |
| 1100 | Molybdenum | | EPA 6020 | µg/L | 113 | 118 | 98.1 - 127 | 90.9 - 134 | Acceptable |
| 1100 | Molybdenum | | EPA 200.7 | µg/L | 113 | 101 | 98.1 - 127 | 90.9 - 134 | Acceptable |
| 1100 | Molybdenum | | EPA 6010 | µg/L | 113 | 101 | 98.1 - 127 | 90.9 - 134 | Acceptable |
| 1105 | Nickel | | EPA 200.8 | µg/L | 495 | 510 | 446 - 545 | 444 - 555 | Acceptable |
| 1105 | Nickel | | EPA 6020 | µg/L | 495 | 510 | 446 - 545 | 444 - 555 | Acceptable |
| 1105 | Nickel | | EPA 200.7 | µg/L | 495 | 520 | 446 - 545 | 444 - 555 | Acceptable |
| 1105 | Nickel | | EPA 6010 | µg/L | 495 | 520 | 446 - 545 | 444 - 555 | Acceptable |
| 1140 | Selenium | | EPA 200.8 | µg/L | 636 | 648 | 543 - 700 | 504 - 737 | Acceptable |
| 1140 | Selenium | | EPA 6020 | µg/L | 636 | 648 | 543 - 700 | 504 - 737 | Acceptable |

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## Study: WP1008

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Trace Metals (PT-TM-WP)** — Lot #: 8079-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | Aluminum | | EPA 200.8 | µg/L | 644 | 718 | 552 - 734 | 507 - 779 | Acceptable |
| 1000 | Aluminum | | EPA 6020 | µg/L | 644 | 718 | 552 - 734 | 507 - 779 | Acceptable |
| 1000 | Aluminum | | EPA 200.7 | µg/L | 644 | 603 | 552 - 734 | 507 - 779 | Acceptable |
| 1000 | Aluminum | | EPA 6010 | µg/L | 644 | 603 | 552 - 734 | 507 - 779 | Acceptable |
| 1005 | Antimony | | EPA 200.8 | µg/L | 241 | 243 | 183 - 271 | 161 - 293 | Acceptable |
| 1005 | Antimony | | EPA 6020 | µg/L | 241 | 243 | 183 - 271 | 161 - 293 | Acceptable |
| 1005 | Antimony | | EPA 200.7 | µg/L | 241 | 226 | 183 - 271 | 161 - 293 | Acceptable |
| 1005 | Antimony | | EPA 6010 | µg/L | 241 | 226 | 183 - 271 | 161 - 293 | Acceptable |
| 1010 | Arsenic | | EPA 200.8 | µg/L | 457 | 466 | 408 - 510 | 382 - 536 | Acceptable |
| 1010 | Arsenic | | EPA 6020 | µg/L | 457 | 466 | 408 - 510 | 382 - 536 | Acceptable |
| 1010 | Arsenic | | EPA 200.7 | µg/L | 457 | 500 | 408 - 510 | 382 - 536 | Acceptable |
| 1010 | Arsenic | | EPA 6010 | µg/L | 457 | 500 | 408 - 510 | 382 - 536 | Acceptable |
| 1015 | Barium | | EPA 200.8 | µg/L | 2160 | 2340 | 1940 - 2380 | 1880 - 2440 | Acceptable |
| 1015 | Barium | | EPA 6020 | µg/L | 2160 | 2340 | 1940 - 2380 | 1880 - 2440 | Acceptable |
| 1015 | Barium | | EPA 200.7 | µg/L | 2160 | 2170 | 1940 - 2380 | 1880 - 2440 | Acceptable |
| 1015 | Barium | | EPA 6010 | µg/L | 2160 | 2170 | 1940 - 2380 | 1880 - 2440 | Acceptable |
| 1020 | Beryllium | | EPA 200.8 | µg/L | 797 | 813 | 715 - 877 | 678 - 900 | Acceptable |
| 1020 | Beryllium | | EPA 6020 | µg/L | 797 | 813 | 715 - 877 | 678 - 900 | Acceptable |
| 1020 | Beryllium | | EPA 200.7 | µg/L | 797 | 805 | 715 - 877 | 678 - 900 | Acceptable |
| 1020 | Beryllium | | EPA 6010 | µg/L | 797 | 805 | 715 - 877 | 678 - 900 | Acceptable |
| 1025 | Boron | | EPA 200.7 | µg/L | 1780 | 1920 | 1560 - 1970 | 1450 - 2070 | Acceptable |
| 1025 | Boron | | EPA 6010 | µg/L | 1780 | 1920 | 1560 - 1970 | 1450 - 2070 | Acceptable |
| 1030 | Cadmium | | EPA 200.8 | µg/L | 275 | 277 | 247 - 303 | 234 - 313 | Acceptable |
| 1030 | Cadmium | | EPA 6020 | µg/L | 275 | 277 | 247 - 303 | 234 - 313 | Acceptable |
| 1030 | Cadmium | | EPA 200.7 | µg/L | 275 | 307 | 247 - 303 | 234 - 313 | Check for Error |
| 1030 | Cadmium | | EPA 6010 | µg/L | 275 | 307 | 247 - 303 | 234 - 313 | Check for Error |
| 1040 | Chromium | | EPA 200.8 | µg/L | 319 | 325 | 287 - 351 | 277 - 362 | Acceptable |
| 1040 | Chromium | | EPA 6020 | µg/L | 319 | 325 | 287 - 351 | 277 - 362 | Acceptable |
| 1040 | Chromium | | EPA 200.7 | µg/L | 319 | 335 | 287 - 351 | 277 - 362 | Acceptable |
| 1040 | Chromium | | EPA 6010 | µg/L | 319 | 335 | 287 - 351 | 277 - 362 | Acceptable |

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**Report Definitions:**

***NELAC Experimental Analytes*** — NELAC Experimental Analytes must be run twice a year. Due to the experimental nature of the acceptance limits, accreditation status is not based on the evaluation received.

***Assigned Value*** — The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation Limits*** — Acceptance and Warning Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation***

| | |
|---|---|
| *Acceptable* | The reported value falls within the Warning Limits. |
| *Check for Error* | The reported value falls outside the Warning Limits and within the Acceptance Limits. |
| *Not Acceptable* | The reported value falls outside the Acceptance Limits. |
| *No Evaluation* | The reported value is non-numeric and can not be evaluated. |
| *NR* | As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported). |

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December 11, 2008

Ms. Maria Pacheco
Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Dear Maria,

Thank you for participating in the WP1008 Water Pollution Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Wibby Environmental.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the WP1008 Water Pollution Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call Chuck Wibby, President of Wibby Environmental, or me at 303-940-0033.

Sincerely,

Ty Garber
Operations Manager

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

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Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Unregulated Volatiles (PT-UNRVOA-WS) cont'd** — Lot #: 9034-22

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 5215 | 1,3,5-Trimethylbenzene | | EPA 524.2 | µg/L | 0.00 | <5.00 | | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 5005 | Naphthalene | | EPA 524.2 | µg/L | 32.7 | 33.1 | 19.6 - 45.8 | Acceptable |

**Trihalomethanes (PT-THM-WS)** — Lot #: 9034-23B

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4395 | Bromodichloromethane | | EPA 524.2 | µg/L | 27.3 | 26.9 | 21.8 - 32.8 | Acceptable |
| 4400 | Bromoform | | EPA 524.2 | µg/L | 21.8 | 20.8 | 17.4 - 26.2 | Acceptable |
| 4575 | Chlorodibromomethane | | EPA 524.2 | µg/L | 32.8 | 31.2 | 26.2 - 39.4 | Acceptable |
| 4505 | Chloroform | | EPA 524.2 | µg/L | 40.3 | 40.9 | 32.2 - 48.4 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | |
| 5205 | Total Trihalomethanes | | EPA 524.2 | µg/L | 122 | 119.8 | 97.6 - 147 | Acceptable |

**EDB/DBCP/TCP (PT-EDBCP-WS)** — Lot #: 9034-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | | EPA 504.1 | µg/L | 1.47 | 1.705 | 0.882 - 2.06 | Acceptable |
| 4585 | Ethylene Dibromide (EDB) | | EPA 504.1 | µg/L | 1.03 | 1.219 | 0.618 - 1.44 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 5180 | 1,2,3-Trichloropropane | | | µg/L | 1.20 | | 0.720 - 1.68 | NR |

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# Final Report - Water Supply Proficiency Testing

## Study: WS1008

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Unregulated Volatiles (PT-UNRVOA-WS)** — Lot #: 9034-22

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4385 | Bromobenzene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4390 | Bromochloromethane | | EPA 524.2 | µg/L | 30.2 | 30.4 | 24.2 - 36.2 | Acceptable |
| 4950 | Bromomethane | | EPA 524.2 | µg/L | 18.0 | 25.4 | 10.8 - 25.2 | Not Acceptable |
| 4435 | n-Butylbenzene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4440 | sec-Butylbenzene | | EPA 524.2 | µg/L | 21.4 | 23.2 | 17.1 - 25.7 | Acceptable |
| 4445 | tert-Butylbenzene | | EPA 524.2 | µg/L | 9.90 | 10.9 | 5.94 - 13.9 | Acceptable |
| 4485 | Chloroethane | | EPA 524.2 | µg/L | 39.0 | 39.6 | 23.4 - 54.6 | Acceptable |
| 4960 | Chloromethane | | EPA 524.2 | µg/L | 0.00 | 1.21 | | Not Acceptable |
| 4535 | 2-Chlorotoluene | | EPA 524.2 | µg/L | 23.5 | 22.7 | 18.8 - 28.2 | Acceptable |
| 4540 | 4-Chlorotoluene | | EPA 524.2 | µg/L | 27.1 | 29.3 | 21.7 - 32.5 | Acceptable |
| 4595 | Dibromomethane | | EPA 524.2 | µg/L | 47.2 | 43.3 | 37.8 - 56.6 | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 524.2 | µg/L | 9.30 | 9.82 | 5.58 - 13.0 | Acceptable |
| 4625 | Dichlorodifluoromethane | | EPA 524.2 | µg/L | 17.1 | 20.2 | 10.3 - 23.9 | Acceptable |
| 4630 | 1,1-Dichloroethane | | EPA 524.2 | µg/L | 35.6 | 37.7 | 28.5 - 42.7 | Acceptable |
| 4660 | 1,3-Dichloropropane | | EPA 524.2 | µg/L | 14.6 | 14.0 | 8.76 - 20.4 | Acceptable |
| 4665 | 2,2-Dichloropropane | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4670 | 1,1-Dichloropropene | | EPA 524.2 | µg/L | 0.00 | <0.500 | | Acceptable |
| 4680 | cis-1,3-Dichloropropene | | EPA 524.2 | µg/L | 14.4 | 13.0 | 8.64 - 20.2 | Acceptable |
| 4685 | trans-1,3-Dichloropropene | | EPA 524.2 | µg/L | 12.8 | 11.8 | 7.68 - 17.9 | Acceptable |
| 5175 | Fluorotrichloromethane | | EPA 524.2 | µg/L | 18.4 | 21.3 | 11.0 - 25.8 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 524.2 | µg/L | 29.9 | 30.5 | 23.9 - 35.9 | Acceptable |
| 4900 | Isopropylbenzene | | EPA 524.2 | µg/L | 47.1 | 52.7 | 37.7 - 56.5 | Acceptable |
| 4910 | 4-Isopropyltoluene | | EPA 524.2 | µg/L | 45.9 | 52.0 | 36.7 - 55.1 | Acceptable |
| 5000 | MTBE | | EPA 524.2 | µg/L | 28.5 | 31.6 | 17.1 - 39.9 | Acceptable |
| 5090 | n-Propylbenzene | | EPA 524.2 | µg/L | 0.00 | 14.6 | | Not Acceptable |
| 5105 | 1,1,1,2-Tetrachloroethane | | EPA 524.2 | µg/L | 13.9 | 14.9 | 8.34 - 19.5 | Acceptable |
| 5110 | 1,1,2,2-Tetrachloroethane | | EPA 524.2 | µg/L | 12.0 | 11.9 | 7.20 - 16.8 | Acceptable |
| 5150 | 1,2,3-Trichlorobenzene | | EPA 524.2 | µg/L | 22.8 | 22.2 | 18.2 - 27.4 | Acceptable |
| 5180 | 1,2,3-Trichloropropane | | EPA 524.2 | µg/L | 27.0 | 26.5 | 21.6 - 32.4 | Acceptable |
| 5210 | 1,2,4-Trimethylbenzene | | EPA 524.2 | µg/L | 39.1 | 46.2 | 31.3 - 46.9 | Acceptable |

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USA

Contact: Ms. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Regulated Volatiles (PT-RVOA-WS)** — Lot #: 9034-21

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 4375 | Benzene | | EPA 524.2 | µg/L | 5.46 | 5.09 | 3.28 - 7.64 | Acceptable |
| 4455 | Carbon Tetrachloride | | EPA 524.2 | µg/L | 6.70 | 6.87 | 4.02 - 9.38 | Acceptable |
| 4475 | Chlorobenzene | | EPA 524.2 | µg/L | 18.5 | 18.4 | 14.8 - 22.2 | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 524.2 | µg/L | 16.7 | 15.7 | 13.4 - 20.0 | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 524.2 | µg/L | 6.60 | 7.03 | 3.96 - 9.24 | Acceptable |
| 4635 | 1,2-Dichloroethane | | EPA 524.2 | µg/L | 15.3 | 14.7 | 12.2 - 18.4 | Acceptable |
| 4640 | 1,1-Dichloroethylene | | EPA 524.2 | µg/L | 10.8 | 10.6 | 8.64 - 13.0 | Acceptable |
| 4645 | cis-1,2-Dichloroethylene | | EPA 524.2 | µg/L | 34.7 | 34.9 | 27.8 - 41.6 | Acceptable |
| 4700 | trans-1,2-Dichloroethylene | | EPA 524.2 | µg/L | 24.4 | 24.6 | 19.5 - 29.3 | Acceptable |
| 4975 | Dichloromethane (Methylene Chloride) | | EPA 524.2 | µg/L | 13.6 | 13.2 | 10.9 - 16.3 | Acceptable |
| 4655 | 1,2-Dichloropropane | | EPA 524.2 | µg/L | 13.9 | 13.1 | 11.1 - 16.7 | Acceptable |
| 4765 | Ethylbenzene | | EPA 524.2 | µg/L | 12.8 | 13.2 | 10.2 - 15.4 | Acceptable |
| 5100 | Styrene | | EPA 524.2 | µg/L | 4.20 | 3.54 | 2.52 - 5.88 | Acceptable |
| 5115 | Tetrachloroethylene | | EPA 524.2 | µg/L | 16.0 | 15.5 | 12.8 - 19.2 | Acceptable |
| 5140 | Toluene | | EPA 524.2 | µg/L | 3.86 | 3.30 | 2.32 - 5.40 | Acceptable |
| 5155 | 1,2,4-Trichlorobenzene | | EPA 524.2 | µg/L | 17.2 | 14.5 | 13.8 - 20.6 | Acceptable |
| 5160 | 1,1,1-Trichloroethane | | EPA 524.2 | µg/L | 13.9 | 13.7 | 11.1 - 16.7 | Acceptable |
| 5165 | 1,1,2-Trichloroethane | | EPA 524.2 | µg/L | 10.1 | 9.01 | 8.08 - 12.1 | Acceptable |
| 5170 | Trichloroethylene | | EPA 524.2 | µg/L | 10.1 | 9.57 | 8.08 - 12.1 | Acceptable |
| 5235 | Vinyl Chloride | | EPA 524.2 | µg/L | 28.0 | 29.6 | 16.8 - 39.2 | Acceptable |
| 5260 | Total Xylenes | | EPA 524.2 | µg/L | 29.7 | 30.3 | 23.8 - 35.6 | Acceptable |

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**Surfactants (MBAS) (PT-MBAS-WS)** — Lot #: 9034-18

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2025 | Surfactants - MBAS | | EPA 425.1 | mg/L | 0.518 | 0.683 | 0.407 - 0.614 | Not Acceptable |
| 2025 | Surfactants - MBAS | | SM5540C | mg/L | 0.518 | 0.683 | 0.407 - 0.614 | Not Acceptable |

**Silica (PT-SIO2-WS)** — Lot #: 9034-17

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1990 | Silica as SiO2 | | EPA 200.7 | mg/L | 42.4 | 41.5 | 36.0 - 48.8 | Acceptable |

**Color (PT-COL-WS)** — Lot #: 9034-40

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1605 | Color | | EPA 110.2 | CU | 33.0 | 20.0 | 19.8 - 42.9 | Acceptable |
| 1605 | Color | | SM2120B | CU | 33.0 | 20.0 | 19.8 - 42.9 | Acceptable |

**Hexavalent Chromium (PT-CR6-WS)** — Lot #: 9034-20

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1045 | Chromium VI | | EPA 7196A | µg/L | 13.7 | 0.0146 | 12.3 - 15.1 | Not Acceptable |

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EPA Lab ID: FL00449

**pH (PT-PH-WS)** — Lot #: 9034-11

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1900 | pH | | EPA 150.1 | S.U. | 6.10 | 6.13 | 5.90 - 6.30 | Acceptable |
| 1900 | pH | | SM4500HB | S.U. | 6.10 | 6.13 | 5.90 - 6.30 | Acceptable |

**Residual Chlorine (PT-CL-WS)** — Lot #: 9034-10

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1945 | Residual Free Chlorine | | | mg/L | 1.85 | | 1.51 - 2.19 | NR |
| 1940 | Total Residual Chlorine | | EPA 330.5 | mg/L | 1.85 | 1.82 | 1.56 - 2.13 | Acceptable |

**Total and Dissolved Organic Carbon (PT-TOC-WS)** — Lot #: 9034-12

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2040 | Total Organic Carbon | | EPA 415.1 | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| 2040 | Total Organic Carbon | | EPA 9060 | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| 2040 | Total Organic Carbon | | SM5310B | mg/L | 3.74 | 4.26 | 3.11 - 4.38 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 1710 | Dissolved Organic Carbon (DOC) | | | mg/L | 3.74 | | 3.11 - 4.38 | NR |

**Turbidity (PT-TUR-WS)** — Lot #: 9034-13

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 2055 | Turbidity | | EPA 180.1 | NTU | 5.14 | 11.5 | 4.52 - 6.10 | Not Acceptable |
| 2055 | Turbidity | | SM2310B | NTU | 5.14 | 11.5 | 4.52 - 6.10 | Not Acceptable |

**IDB (Ampule 1 of 2) (PT-IDB-WS(1))** — Lot #: 9034-14

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1535 | Bromate | | | µg/L | 16.2 | | 11.3 - 21.1 | NR |
| 1540 | Bromide | | 300.0 | µg/L | 245 | 0.296 | 187 - 304 | Not Acceptable |
| 1570 | Chlorate | | | µg/L | 73.5 | | 58.5 - 90.7 | NR |

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**Specific Conductance (PT-COND-WS)** — Lot #: 9034-57

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1610 | Specific Conductance | | EPA 120.1 | µmhos | 2110 | 2200 | 1900 - 2320 | Acceptable |

**Anions (PT-AN-WS(1))** — Lot #: 9034-08

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1575 | Chloride | | SM4500CLE | mg/L | 80.2 | 79.3 | 72.2 - 88.2 | Acceptable |
| 1575 | Chloride | | EPA 325.2 | mg/L | 80.2 | 79.3 | 72.2 - 88.2 | Acceptable |
| 1575 | Chloride | | EPA 300.0 | mg/L | 80.2 | 84.2 | 72.2 - 88.2 | Acceptable |
| 1730 | Fluoride | | EPA 300.0 | mg/L | 1.50 | 1.42 | 1.35 - 1.65 | Acceptable |
| 1810 | Nitrate as N | | EPA 353.2 | mg/L | 3.37 | 3.38 | 3.03 - 3.71 | Acceptable |
| 1810 | Nitrate as N | | EPA 300.0 | mg/L | 3.37 | 3.40 | 3.03 - 3.71 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 353.2 | mg/L | 3.37 | 3.38 | 2.96 - 3.71 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 300.0 | mg/L | 3.37 | 3.40 | 2.96 - 3.71 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 365.1 | mg/L | 5.16 | 5.26 | 4.57 - 5.79 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 300.0 | mg/L | 5.16 | 5.18 | 4.57 - 5.79 | Acceptable |
| 2000 | Sulfate | | EPA 300.0 | mg/L | 207 | 212 | 183 - 230 | Acceptable |

**Anions (PT-AN-WS(2))** — Lot #: 9034-56

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1840 | Nitrite as N | | EPA 353.2 | mg/L | 0.584 | 0.537 | 0.496 - 0.672 | Acceptable |
| 1840 | Nitrite as N | | EPA 300.0 | mg/L | 0.584 | 0.533 | 0.496 - 0.672 | Acceptable |

**Cyanide (PT-CN-WS)** — Lot #: 9034-09

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1635 | Cyanide (simple) | | EPA 335.4 | mg/L | 0.234 | 0.195 | 0.176 - 0.293 | Acceptable |

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**Trace Metals (PT-TM-WS) cont'd** — Lot #: 9034-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1150 | Silver | | EPA 200.8 | µg/L | 50.6 | 56.2 | 43.4 - 57.4 | Acceptable |
| 1165 | Thallium | | EPA 200.7 | µg/L | 6.67 | 7.19 | 4.67 - 8.67 | Acceptable |
| 1165 | Thallium | | EPA 200.8 | µg/L | 6.67 | 7.73 | 4.67 - 8.67 | Acceptable |
| 1185 | Vanadium | | EPA 200.7 | µg/L | 1140 | 1150 | 1020 - 1250 | Acceptable |
| 1185 | Vanadium | | EPA 200.8 | µg/L | 1140 | 1220 | 1020 - 1250 | Acceptable |
| 1190 | Zinc | | EPA 200.7 | µg/L | 1170 | 1210 | 1050 - 1290 | Acceptable |
| 1190 | Zinc | | EPA 200.8 | µg/L | 1170 | 1180 | 1050 - 1290 | Acceptable |

**Mercury (PT-HG-WS)** — Lot #: 9034-05

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1095 | Mercury | | EPA 245.1 | µg/L | 3.92 | 1.7 | 2.74 - 5.10 | Not Acceptable |

**Minerals (PT-MIN-WS)** — Lot #: 9034-51

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1505 | Alkalinity as CaCO3 | | EPA 310.1 | mg/L | 44.6 | 48.1 | 40.1 - 49.1 | Acceptable |
| 1505 | Alkalinity as CaCO3 | | SM2320B | mg/L | 44.6 | 48.1 | 40.1 - 49.1 | Acceptable |
| 1035 | Calcium | | EPA 200.7 | mg/L | 38.5 | 40.3 | 34.3 - 43.2 | Acceptable |
| 1550 | Calcium Hardness as CaCO3 | | SM2340B | mg/L | 96.2 | 101 | 85.8 - 108 | Acceptable |
| 1755 | Total Hardness as CaCO3 | | SM2340B | mg/L | 141 | 147 | 126 - 158 | Acceptable |
| 1085 | Magnesium | | EPA 200.7 | mg/L | 10.9 | 11.2 | 9.81 - 12.2 | Acceptable |
| 1125 | Potassium | | EPA 200.7 | mg/L | 29.9 | 30.6 | 25.8 - 33.9 | Acceptable |
| 1155 | Sodium | | EPA 200.7 | mg/L | 20.4 | 21.4 | 18.0 - 22.5 | Acceptable |
| 1955 | Total Filterable Residue | | EPA 160.1 | mg/L | 330 | 402 | 214 - 446 | Acceptable |
| 1955 | Total Filterable Residue | | SM2540C | mg/L | 330 | 402 | 214 - 446 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | |
| 1620 | Corrosivity (Langelier Index) | | | SI units | -0.550 | | -0.950 - -0.150 | NR |

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**Trace Metals (PT-TM-WS)** — Lot #: 9034-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 1000 | Aluminum | | EPA 200.7 | µg/L | 2090 | 1980 | 1800 - 2310 | Acceptable |
| 1000 | Aluminum | | EPA 200.8 | µg/L | 2090 | 2230 | 1800 - 2310 | Acceptable |
| 1005 | Antimony | | EPA 200.7 | µg/L | 9.60 | 9.95 | 6.72 - 12.5 | Acceptable |
| 1005 | Antimony | | EPA 200.8 | µg/L | 9.60 | 10.2 | 6.72 - 12.5 | Acceptable |
| 1010 | Arsenic | | EPA 200.7 | µg/L | 43.2 | 47.2 | 30.2 - 56.2 | Acceptable |
| 1010 | Arsenic | | EPA 200.8 | µg/L | 43.2 | 43.6 | 30.2 - 56.2 | Acceptable |
| 1015 | Barium | | EPA 200.7 | µg/L | 1290 | 1300 | 1100 - 1480 | Acceptable |
| 1015 | Barium | | EPA 200.8 | µg/L | 1290 | 1380 | 1100 - 1480 | Acceptable |
| 1020 | Beryllium | | EPA 200.7 | µg/L | 3.83 | 3.78 | 3.26 - 4.40 | Acceptable |
| 1020 | Beryllium | | EPA 200.8 | µg/L | 3.83 | 4.84 | 3.26 - 4.40 | Not Acceptable |
| 1025 | Boron | | EPA 200.7 | µg/L | 1000 | 1000 | 882 - 1110 | Acceptable |
| 1030 | Cadmium | | EPA 200.7 | µg/L | 41.1 | 41.9 | 32.9 - 49.3 | Acceptable |
| 1030 | Cadmium | | EPA 200.8 | µg/L | 41.1 | 41.6 | 32.9 - 49.3 | Acceptable |
| 1040 | Chromium | | EPA 200.7 | µg/L | 96.5 | 99.3 | 82.0 - 111 | Acceptable |
| 1040 | Chromium | | EPA 200.8 | µg/L | 96.5 | 95.3 | 82.0 - 111 | Acceptable |
| 1055 | Copper | | EPA 200.7 | µg/L | 1650 | 1690 | 1490 - 1820 | Acceptable |
| 1055 | Copper | | EPA 200.8 | µg/L | 1650 | 1660 | 1490 - 1820 | Acceptable |
| 1070 | Iron | | EPA 200.7 | µg/L | 868 | 893 | 770 - 955 | Acceptable |
| 1070 | Iron | | EPA 200.8 | µg/L | 868 | 930 | 770 - 955 | Acceptable |
| 1075 | Lead | | EPA 200.7 | µg/L | 90.6 | 94.0 | 63.4 - 118 | Acceptable |
| 1075 | Lead | | EPA 200.8 | µg/L | 90.6 | 92.6 | 63.4 - 118 | Acceptable |
| 1090 | Manganese | | EPA 200.7 | µg/L | 460 | 467 | 414 - 506 | Acceptable |
| 1090 | Manganese | | EPA 200.8 | µg/L | 460 | 482 | 414 - 506 | Acceptable |
| 1100 | Molybdenum | | EPA 200.7 | µg/L | 28.9 | 29.7 | 24.2 - 33.0 | Acceptable |
| 1100 | Molybdenum | | EPA 200.8 | µg/L | 28.9 | 34.6 | 24.2 - 33.0 | Not Acceptable |
| 1105 | Nickel | | EPA 200.7 | µg/L | 364 | 362 | 309 - 419 | Acceptable |
| 1105 | Nickel | | EPA 200.8 | µg/L | 364 | 360 | 309 - 419 | Acceptable |
| 1140 | Selenium | | EPA 200.7 | µg/L | 83.7 | 84.7 | 67.0 - 100 | Acceptable |
| 1140 | Selenium | | EPA 200.8 | µg/L | 83.7 | 82.4 | 67.0 - 100 | Acceptable |
| 1150 | Silver | | EPA 200.7 | µg/L | 50.6 | 53.2 | 43.4 - 57.4 | Acceptable |

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**Report Definitions:**

***NELAC Experimental Analytes*** NELAC Experimental Analytes must be run twice a year. Due to the experimental nature of the acceptance limits, accreditation status is not based on the evaluation received.

***Assigned Value*** The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation Limits*** Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation***

*Acceptable* The reported value falls within the Acceptance Limits.

*Not Acceptable* The reported value falls outside the Acceptance Limits.

*No Evaluation* The reported value is non-numeric and can not be evaluated.

*NR* As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported).

This report must not be reproduced except in full, without the written approval of Wibby Environmental.
This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.

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December 11, 2008

Ms. Maria Pacheco
Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Dear Maria,

Thank you for participating in the WS1008 Water Supply Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Wibby Environmental.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the WS1008 Water Supply Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call Chuck Wibby, President of Wibby Environmental, or me at 303-940-0033.

Sincerely,

Ty Garber
Operations Manager

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## OPP (PT-OPP-WP) — Lot #: 8074-64

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7075 | Azinphos-methyl (Guthion) | | EPA 614 | µg/L | 10.2 | 14.4 | 3.93 - 14.9 | 1.18 - 17.7 | Acceptable |
| 7075 | Azinphos-methyl (Guthion) | | EPA 8141 | µg/L | 10.2 | 12.6 | 3.93 - 14.9 | 1.18 - 17.7 | Acceptable |
| 7410 | Diazinon | | EPA 614 | µg/L | 6.84 | 8.39 | 3.84 - 8.98 | 2.56 - 10.2 | Acceptable |
| 7410 | Diazinon | | EPA 8141 | µg/L | 6.84 | 7.55 | 3.84 - 8.98 | 2.56 - 10.2 | Acceptable |
| 8625 | Disulfoton | | EPA 614 | µg/L | 3.84 | 2.44 | 1.58 - 5.33 | 0.637 - 6.27 | Acceptable |
| 8625 | Disulfoton | | EPA 8141 | µg/L | 3.84 | 2.21 | 1.58 - 5.33 | 0.637 - 6.27 | Acceptable |
| 7770 | Malathion | | EPA 614 | µg/L | 19.0 | 18.4 | 8.76 - 25.5 | 4.57 - 29.7 | Acceptable |
| 7770 | Malathion | | EPA 8141 | µg/L | 19.0 | 17.0 | 8.76 - 25.5 | 4.57 - 29.7 | Acceptable |
| 7955 | Parathion, ethyl | | EPA 614 | µg/L | 7.28 | 5.77 | | 4.00 - 10.6 | Acceptable |
| 7955 | Parathion, ethyl | | EPA 8141 | µg/L | 7.28 | 5.35 | | 4.00 - 10.6 | Acceptable |

## Gasoline Range Organics (GRO) (PT-GAS-WP) — Lot #: 8074-62

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 9408 | Gasoline range organics (GRO) | | 8015GRO | µg/L | 2820 | 2010 | 1620 - 4020 | 1020 - 4620 | Acceptable |

## Diesel Range Organics (DRO) (PT-DIES-WP) — Lot #: 8074-63

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 9369 | Diesel range organics (DRO) | | EPA 8015-DRO | µg/L | 2210 | 1890 | 902 - 2480 | 507 - 2880 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

**Opening Date: May 5, 2008 - Closing Date: June 19, 2008**

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Pesticides (PT-PEST-WP) cont'd — Lot #: 8074-29

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7530 | Endrin aldehyde | | EPA 8081 | µg/L | 9.08 | 10.2 | 4.48 - 11.9 | 2.63 - 13.7 | Acceptable |
| 7530 | Endrin aldehyde | | EPA 608 | µg/L | 9.08 | 10.2 | 4.48 - 11.9 | 2.63 - 13.7 | Acceptable |
| 7685 | Heptachlor | | EPA 8081 | µg/L | 4.29 | 5.93 | 2.14 - 5.15 | 1.39 - 5.90 | Not Acceptable |
| 7685 | Heptachlor | | EPA 608 | µg/L | 4.29 | 5.93 | 2.14 - 5.15 | 1.39 - 5.90 | Not Acceptable |
| 7690 | Heptachlor Epoxide (beta) | | EPA 8081 | µg/L | 8.46 | 9.95 | 5.49 - 10.5 | 4.23 - 11.8 | Acceptable |
| 7690 | Heptachlor Epoxide (beta) | | EPA 608 | µg/L | 8.46 | 9.95 | 5.49 - 10.5 | 4.23 - 11.8 | Acceptable |
| 7810 | Methoxychlor | | EPA 8081 | µg/L | 13.7 | 16.7 | 6.70 - 18.6 | 3.73 - 21.5 | Acceptable |
| 7810 | Methoxychlor | | EPA 608 | µg/L | 13.7 | 16.7 | 6.70 - 18.6 | 3.73 - 21.5 | Acceptable |
| NELAC Experimental Analytes | | | | | | | | | |
| 7535 | Endrin ketone | | EPA 8081 | µg/L | 8.90 | 11.4 | | 4.90 - 12.9 | Acceptable |
| 7535 | Endrin ketone | | EPA 608 | µg/L | 8.90 | 11.4 | | 4.90 - 12.9 | Acceptable |

## PCBs in Water (PT-PCBW-WP) — Lot #: 8074-32

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8880 | Aroclor 1016 | | EPA 8082 | µg/L | 0.00 | 5.84 | | | Not Acceptable |
| 8880 | Aroclor 1016 | | EPA 608 | µg/L | 0.00 | 5.84 | | | Not Acceptable |
| 8885 | Aroclor 1221 | | | µg/L | 0.00 | | | | NR |
| 8890 | Aroclor 1232 | | | µg/L | 0.00 | | | | NR |
| 8895 | Aroclor 1242 | | | µg/L | 0.00 | | | | NR |
| 8900 | Aroclor 1248 | | | µg/L | 0.00 | | | | NR |
| 8905 | Aroclor 1254 | | | µg/L | 5.20 | | 3.18 - 6.01 | 2.47 - 6.72 | NR |
| 8910 | Aroclor 1260 | | | µg/L | 0.00 | | | | NR |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

**Opening Date: May 5, 2008 - Closing Date: June 19, 2008**

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

### PCBs in Oil (PT-PCBO-WP) — Lot #: 8074-34

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8880 | Aroclor 1016 | | | mg/kg | <1.7 | | | | NR |
| 8895 | Aroclor 1242 | | | mg/kg | <1.7 | | | | NR |
| 8905 | Aroclor 1254 | | EPA 8082 | mg/kg | 18.4 | 38.4 | | 1.84 - 29.7 | Not Acceptable |
| 8910 | Aroclor 1260 | | | mg/kg | <1.2 | | | | NR |

### Herbicides (PT-HERB-WP) — Lot #: 8074-36

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 8545 | 2,4-D | | EPA 8151 | µg/L | 2.70 | 4.01 | 0.493 - 3.80 | 0.270 - 4.63 | Check for Error |
| 8545 | 2,4-D | | EPA 615 | µg/L | 2.70 | 4.01 | 0.493 - 3.80 | 0.270 - 4.63 | Check for Error |
| 8595 | Dicamba | | EPA 8151 | µg/L | 4.15 | 5.15 | 1.24 - 5.18 | 0.415 - 6.16 | Acceptable |
| 8595 | Dicamba | | EPA 615 | µg/L | 4.15 | 5.15 | 1.24 - 5.18 | 0.415 - 6.16 | Acceptable |
| 8655 | 2,4,5-T | | EPA 8151 | µg/L | 5.47 | 9.50 | 1.71 - 6.84 | 0.547 - 8.13 | Not Acceptable |
| 8655 | 2,4,5-T | | EPA 615 | µg/L | 5.47 | 9.50 | 1.71 - 6.84 | 0.547 - 8.13 | Not Acceptable |
| 8650 | 2,4,5-TP (Silvex) | | EPA 8151 | µg/L | 9.59 | 20.0 | 3.59 - 11.7 | 1.56 - 13.8 | Not Acceptable |
| 8650 | 2,4,5-TP (Silvex) | | EPA 615 | µg/L | 9.59 | 20.0 | 3.59 - 11.7 | 1.56 - 13.8 | Not Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 8530 | Bentazon | | | µg/L | <2 | | | | NR |
| 7135 | Brominal (Bromoxynil) | | | µg/L | <2 | | | | NR |
| 8540 | Chloramben | | | µg/L | <2 | | | | NR |
| 8550 | Dacthal (DCPA) | | | µg/L | <2 | | | | NR |
| 8555 | Dalapon | | | µg/L | <2 | | | | NR |
| 8605 | 2,4-DP (Dichlorprop) | | | µg/L | <2 | | | | NR |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | | | µg/L | <2 | | | | NR |
| 7775 | MCPA | | | µg/L | <25 | | | | NR |
| 7780 | MCPP | | | µg/L | <25 | | | | NR |
| 6605 | Pentachlorophenol | | | µg/L | <2 | | | | NR |
| 8645 | Picloram | | EPA 8151 | µg/L | 6.31 | 11.4 | | 3.16 - 9.47 | Not Acceptable |
| 8645 | Picloram | | EPA 615 | µg/L | 6.31 | 11.7 | | 3.16 - 9.47 | Not Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Pesticides (PT-PEST-WP) — Lot #: 8074-29

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 7025 | Aldrin | | EPA 8081 | µg/L | 12.8 | 14.9 | 5.93 - 15.3 | 3.59 - 17.7 | Acceptable |
| 7025 | Aldrin | | EPA 608 | µg/L | 12.8 | 14.9 | 5.93 - 15.3 | 3.59 - 17.7 | Acceptable |
| 7110 | alpha-BHC | | EPA 8081 | µg/L | 3.17 | 4.65 | 1.72 - 3.94 | 1.17 - 4.50 | Not Acceptable |
| 7110 | alpha-BHC | | EPA 608 | µg/L | 3.17 | 4.65 | 1.72 - 3.94 | 1.17 - 4.50 | Not Acceptable |
| 7115 | beta-BHC | | EPA 8081 | µg/L | 7.08 | 9.67 | 4.05 - 8.52 | 2.93 - 9.64 | Not Acceptable |
| 7115 | beta-BHC | | EPA 608 | µg/L | 7.08 | 9.67 | 4.05 - 8.52 | 2.93 - 9.64 | Not Acceptable |
| 7105 | delta-BHC | | EPA 8081 | µg/L | 5.06 | 6.92 | 2.68 - 6.20 | 1.80 - 7.08 | Check for Error |
| 7105 | delta-BHC | | EPA 608 | µg/L | 5.06 | 6.92 | 2.68 - 6.20 | 1.80 - 7.08 | Check for Error |
| 7120 | gamma-BHC (Lindane) | | EPA 8081 | µg/L | 4.27 | 6.19 | 2.42 - 5.26 | 1.71 - 5.97 | Not Acceptable |
| 7120 | gamma-BHC (Lindane) | | EPA 608 | µg/L | 4.27 | 6.19 | 2.42 - 5.26 | 1.71 - 5.97 | Not Acceptable |
| 7240 | alpha-Chlordane | | EPA 8081 | µg/L | 7.77 | 9.27 | 4.65 - 9.28 | 3.50 - 10.4 | Acceptable |
| 7240 | alpha-Chlordane | | EPA 608 | µg/L | 7.77 | 9.27 | 4.65 - 9.28 | 3.50 - 10.4 | Acceptable |
| 7245 | gamma-Chlordane | | EPA 8081 | µg/L | 5.36 | 7.61 | 3.06 - 6.46 | 2.21 - 7.31 | Not Acceptable |
| 7245 | gamma-Chlordane | | EPA 608 | µg/L | 5.36 | 7.61 | 3.06 - 6.46 | 2.21 - 7.31 | Not Acceptable |
| 7355 | DDD (4,4) | | EPA 8081 | µg/L | 8.64 | 10.3 | 4.67 - 10.8 | 3.16 - 12.3 | Acceptable |
| 7355 | DDD (4,4) | | EPA 608 | µg/L | 8.64 | 10.3 | 4.67 - 10.8 | 3.16 - 12.3 | Acceptable |
| 7360 | DDE (4,4) | | EPA 8081 | µg/L | 4.04 | 5.94 | 2.36 - 4.72 | 1.77 - 5.31 | Not Acceptable |
| 7360 | DDE (4,4) | | EPA 608 | µg/L | 4.04 | 5.94 | 2.36 - 4.72 | 1.77 - 5.31 | Not Acceptable |
| 7365 | DDT (4,4) | | EPA 8081 | µg/L | 5.89 | 9.42 | 3.23 - 7.35 | 2.20 - 8.38 | Not Acceptable |
| 7365 | DDT (4,4) | | EPA 608 | µg/L | 5.89 | 9.42 | 3.23 - 7.35 | 2.20 - 8.38 | Not Acceptable |
| 7470 | Dieldrin | | EPA 8081 | µg/L | 11.3 | 14.1 | 7.16 - 13.8 | 5.54 - 15.3 | Check for Error |
| 7470 | Dieldrin | | EPA 608 | µg/L | 11.3 | 14.1 | 7.16 - 13.8 | 5.54 - 15.3 | Check for Error |
| 7510 | Endosulfan I | | EPA 8081 | µg/L | 9.20 | 11.1 | 4.41 - 11.5 | 2.63 - 13.3 | Acceptable |
| 7510 | Endosulfan I | | EPA 608 | µg/L | 9.20 | 11.1 | 4.41 - 11.5 | 2.63 - 13.3 | Acceptable |
| 7515 | Endosulfan II | | EPA 8081 | µg/L | 11.1 | 12.5 | 5.37 - 12.9 | 3.48 - 14.8 | Acceptable |
| 7515 | Endosulfan II | | EPA 608 | µg/L | 11.1 | 12.5 | 5.37 - 12.9 | 3.48 - 14.8 | Acceptable |
| 7520 | Endosulfan sulfate | | EPA 8081 | µg/L | 3.02 | 4.13 | 1.64 - 3.86 | 1.09 - 4.41 | Check for Error |
| 7520 | Endosulfan sulfate | | EPA 608 | µg/L | 3.02 | 4.13 | 1.64 - 3.86 | 1.09 - 4.41 | Check for Error |
| 7540 | Endrin | | EPA 8081 | µg/L | 16.6 | 21.0 | 8.87 - 21.4 | 5.74 - 24.5 | Acceptable |
| 7540 | Endrin | | EPA 608 | µg/L | 16.6 | 21.0 | 8.87 - 21.4 | 5.74 - 24.5 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

**Opening Date: May 5, 2008 - Closing Date: June 19, 2008**

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Acids (PT-ACIDS-WP) cont'd — Lot #: 8074-28

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| **Additional State Specific Analytes** | | | | | | | | | |
| 5610 | Benzoic acid | | EPA 8270 | µg/L | 182 | 49.5 | | 0.00 - 327 | Acceptable |
| 6495 | 3-Nitrophenol | | | µg/L | <10 | | | | NR |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Acids (PT-ACIDS-WP) — Lot #: 8074-28

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5700 | 4-Chloro-3-methylphenol | | EPA 8270 | µg/L | 72.4 | 43.4 | 38.4 - 82.2 | 27.4 - 93.2 | Acceptable |
| 5700 | 4-Chloro-3-methylphenol | | EPA 625 | µg/L | 72.4 | 43.4 | 38.4 - 82.2 | 27.4 - 93.2 | Acceptable |
| 5800 | 2-Chlorophenol | | EPA 8270 | µg/L | 141 | 72.1 | 62.8 - 155 | 40.0 - 176 | Acceptable |
| 5800 | 2-Chlorophenol | | EPA 625 | µg/L | 141 | 72.1 | 62.8 - 155 | 40.0 - 176 | Acceptable |
| 6000 | 2,4-Dichlorophenol | | EPA 8270 | µg/L | 54.2 | 30.3 | 25.2 - 81.2 | 16.2 - 70.2 | Acceptable |
| 6000 | 2,4-Dichlorophenol | | EPA 625 | µg/L | 54.2 | 30.3 | 25.2 - 81.2 | 16.2 - 70.2 | Acceptable |
| 6130 | 2,4-Dimethylphenol | | EPA 8270 | µg/L | 124 | 66.1 | 49.6 - 140 | 27.0 - 163 | Acceptable |
| 6130 | 2,4-Dimethylphenol | | EPA 625 | µg/L | 124 | 66.1 | 49.6 - 140 | 27.0 - 163 | Acceptable |
| 6175 | 2,4-Dinitrophenol | | EPA 8270 | µg/L | 172 | 121 | 40.6 - 192 | 17.2 - 230 | Acceptable |
| 6175 | 2,4-Dinitrophenol | | EPA 625 | µg/L | 172 | 121 | 40.6 - 192 | 17.2 - 230 | Acceptable |
| 6360 | 2-Methyl-4,6-Dinitrophenol | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6360 | 2-Methyl-4,6-Dinitrophenol | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 6400 | 2-Methylphenol | | EPA 8270 | µg/L | 128 | 82.1 | 46.3 - 140 | 24.0 - 157 | Acceptable |
| 6400 | 2-Methylphenol | | EPA 625 | µg/L | 128 | 82.1 | 46.3 - 140 | 24.0 - 157 | Acceptable |
| 6410 | 4-Methylphenol (and/or 3-Methylphenol) | | EPA 8270 | µg/L | 139 | 75.2 | 35.6 - 153 | 13.9 - 179 | Acceptable |
| 6410 | 4-Methylphenol (and/or 3-Methylphenol) | | EPA 625 | µg/L | 139 | 75.2 | 35.6 - 153 | 13.9 - 179 | Acceptable |
| 6490 | 2-Nitrophenol | | EPA 8270 | µg/L | 139 | 81.1 | 57.4 - 158 | 32.4 - 183 | Acceptable |
| 6490 | 2-Nitrophenol | | EPA 625 | µg/L | 139 | 81.1 | 57.4 - 158 | 32.4 - 183 | Acceptable |
| 6500 | 4-Nitrophenol | | EPA 8270 | µg/L | 125 | 44.5 | 12.5 - 137 | 12.5 - 168 | Acceptable |
| 6500 | 4-Nitrophenol | | EPA 625 | µg/L | 125 | 44.5 | 12.5 - 137 | 12.5 - 168 | Acceptable |
| 6625 | Phenol | | EPA 8270 | µg/L | 133 | 36.0 | 13.3 - 146 | 13.3 - 179 | Acceptable |
| 6625 | Phenol | | EPA 625 | µg/L | 133 | 36.0 | 13.3 - 146 | 13.3 - 179 | Acceptable |
| 6605 | Pentachlorophenol | | EPA 8270 | µg/L | 84.2 | 48.8 | 36.3 - 100 | 20.3 - 116 | Acceptable |
| 6605 | Pentachlorophenol | | EPA 625 | µg/L | 84.2 | 48.8 | 36.3 - 100 | 20.3 - 116 | Acceptable |
| 6835 | 2,4,5-Trichlorophenol | | EPA 8270 | µg/L | 94.1 | 62.8 | 48.6 - 107 | 34.0 - 122 | Acceptable |
| 6840 | 2,4,6-Trichlorophenol | | EPA 8270 | µg/L | 174 | 101 | 82.5 - 192 | 55.8 - 216 | Acceptable |
| 6840 | 2,4,6-Trichlorophenol | | EPA 625 | µg/L | 174 | 101 | 82.5 - 192 | 55.8 - 216 | Acceptable |
| NELAC Experimental Analytes | | | | | | | | | |
| 6005 | 2,6-Dichlorophenol | | EPA 8270 | µg/L | 61.9 | 42.7 | 29.5 - 69.8 | 19.5 - 79.9 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

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Boca Raton, FL 33431
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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP) cont'd** — Lot #: 8074-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5155 | 1,2,4-Trichlorobenzene | | EPA 8270 | µg/L | 121 | 66.0 | 46.4 - 133 | 27.0 - 143 | Acceptable |
| 5155 | 1,2,4-Trichlorobenzene | | EPA 625 | µg/L | 121 | 66.0 | 46.4 - 133 | 27.0 - 143 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 5545 | Aniline | | EPA 8270 | µg/L | <10 | <10.0 | | | Acceptable |
| 5630 | Benzyl alcohol | | EPA 8270 | µg/L | 33.5 | 19.1 | | 16.7 - 50.2 | Acceptable |
| 5680 | Carbazole | | EPA 8270 | µg/L | <10 | <10.0 | | | Acceptable |
| 5680 | Carbazole | | EPA 625 | µg/L | <10 | <4.0 | | | Acceptable |
| 5745 | 4-Chloroaniline | | EPA 8270 | µg/L | <10 | <10.0 | | | Acceptable |
| 5790 | 1-Chloronaphthalene | | | µg/L | <10 | | | | NR |
| 6380 | 1-Methylnaphthalene | | EPA 8270 | µg/L | 178 | 98.1 | | 89.2 - 267 | Acceptable |
| 6460 | 2-Nitroaniline | | EPA 8270 | µg/L | <10 | <50.0 | | | Acceptable |
| 6465 | 3-Nitroaniline | | EPA 8270 | µg/L | <10 | <50.0 | | | Acceptable |
| 6470 | 4-Nitroaniline | | EPA 8270 | µg/L | <10 | <50.0 | | | Acceptable |
| 6525 | N-Nitrosodiethylamine | | EPA 8270 | µg/L | 53.1 | 31.4 | | 26.6 - 79.7 | Acceptable |
| 5095 | Pyridine | | EPA 8270 | µg/L | <10 | <50.0 | | | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Base Neutrals (PT-BN-WP) cont'd

Lot #: 8074-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 6265 | Fluoranthene | | EPA 625 | µg/L | 156 | 102 | 87.7 - 172 | 68.2 - 185 | Acceptable |
| 6270 | Fluorene | | EPA 8270 | µg/L | 97.7 | 68.0 | 54.6 - 107 | 42.2 - 117 | Acceptable |
| 6270 | Fluorene | | EPA 625 | µg/L | 97.7 | 68.0 | 54.6 - 107 | 42.2 - 117 | Acceptable |
| 6275 | Hexachlorobenzene | | EPA 8270 | µg/L | 54.9 | 33.3 | 31.0 - 61.6 | 23.3 - 69.2 | Acceptable |
| 6275 | Hexachlorobenzene | | EPA 625 | µg/L | 54.9 | 33.3 | 31.0 - 61.6 | 23.3 - 69.2 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 8270 | µg/L | 81.5 | 44.4 | 23.7 - 89.7 | 8.86 - 99.2 | Acceptable |
| 4835 | Hexachlorobutadiene | | EPA 625 | µg/L | 81.5 | 44.4 | 23.7 - 89.7 | 8.86 - 99.2 | Acceptable |
| 6285 | Hexachlorocyclopentadiene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6285 | Hexachlorocyclopentadiene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 4840 | Hexachloroethane | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 4840 | Hexachloroethane | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 6315 | Indeno(1,2,3, cd)pyrene | | EPA 8270 | µg/L | 75.3 | 49.5 | 33.1 - 84.3 | 20.2 - 97.2 | Acceptable |
| 6315 | Indeno(1,2,3, cd)pyrene | | EPA 625 | µg/L | 75.3 | 49.5 | 33.1 - 84.3 | 20.2 - 97.2 | Acceptable |
| 6320 | Isophorone | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6320 | Isophorone | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 6385 | 2-Methylnaphthalene | | EPA 8270 | µg/L | 127 | 72.1 | 45.7 - 140 | 25.9 - 145 | Acceptable |
| 5005 | Naphthalene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 5005 | Naphthalene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 5015 | Nitrobenzene | | EPA 8270 | µg/L | 169 | 100 | 77.3 - 186 | 52.0 - 203 | Acceptable |
| 5015 | Nitrobenzene | | EPA 625 | µg/L | 169 | 100 | 77.3 - 186 | 52.0 - 203 | Acceptable |
| 6530 | N-Nitrosodimethylamine | | EPA 8270 | µg/L | 126 | 52.9 | 14.0 - 139 | 12.6 - 149 | Acceptable |
| 6530 | N-Nitrosodimethylamine | | EPA 625 | µg/L | 126 | 52.9 | 14.0 - 139 | 12.6 - 149 | Acceptable |
| 6535 | N-Nitrosodiphenylamine | | EPA 8270 | µg/L | 117 | 78.5 | 49.5 - 137 | 27.6 - 159 | Acceptable |
| 6535 | N-Nitrosodiphenylamine | | EPA 625 | µg/L | 117 | 78.5 | 49.5 - 137 | 27.6 - 159 | Acceptable |
| 6545 | N-Nitroso-di-n-propylamine | | EPA 8270 | µg/L | 73.0 | 44.7 | 32.7 - 83.4 | 20.1 - 96.0 | Acceptable |
| 6545 | N-Nitroso-di-n-propylamine | | EPA 625 | µg/L | 73.0 | 44.7 | 32.7 - 83.4 | 20.1 - 96.0 | Acceptable |
| 6615 | Phenanthrene | | EPA 8270 | µg/L | 61.2 | 41.4 | 37.0 - 67.9 | 29.2 - 75.6 | Acceptable |
| 6615 | Phenanthrene | | EPA 625 | µg/L | 61.2 | 41.4 | 37.0 - 67.9 | 29.2 - 75.6 | Acceptable |
| 6665 | Pyrene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6665 | Pyrene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Gertapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Base Neutrals (PT-BN-WP) cont'd** — **Lot #: 8074-27**

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5825 | 4-Chlorophenyl-phenylether | | EPA 8270 | µg/L | 50.7 | 31.7 | 27.0 - 57.3 | 19.4 - 64.9 | Acceptable |
| 5825 | 4-Chlorophenyl-phenylether | | EPA 625 | µg/L | 50.7 | 31.7 | 27.0 - 57.3 | 19.4 - 64.9 | Acceptable |
| 5855 | Chrysene | | EPA 8270 | µg/L | 30.6 | 24.8 | 17.9 - 37.6 | 13.0 - 42.5 | Acceptable |
| 5855 | Chrysene | | EPA 625 | µg/L | 30.6 | 24.8 | 17.9 - 37.6 | 13.0 - 42.5 | Acceptable |
| 5895 | Dibenzo(a,h)anthracene | | EPA 8270 | µg/L | 36.1 | 27.7 | 16.8 - 45.4 | 9.63 - 52.6 | Acceptable |
| 5895 | Dibenzo(a,h)anthracene | | EPA 625 | µg/L | 36.1 | 27.7 | 16.8 - 45.4 | 9.63 - 52.6 | Acceptable |
| 5905 | Dibenzofuran | | EPA 8270 | µg/L | 122 | <10.0 | 60.2 - 134 | 42.2 - 150 | Not Acceptable |
| 5925 | Di-n-butylphthalate | | EPA 8270 | µg/L | 127 | 90.0 | 61.4 - 143 | 41.0 - 163 | Acceptable |
| 5925 | Di-n-butylphthalate | | EPA 625 | µg/L | 127 | 90.0 | 61.4 - 143 | 41.0 - 163 | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 8270 | µg/L | 71.0 | 39.7 | 21.0 - 78.1 | 7.89 - 86.9 | Acceptable |
| 4610 | 1,2-Dichlorobenzene | | EPA 625 | µg/L | 71.0 | 39.7 | 21.0 - 78.1 | 7.89 - 86.9 | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 4615 | 1,3-Dichlorobenzene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 8270 | µg/L | 37.1 | 19.7 | 9.73 - 40.8 | 3.71 - 48.4 | Acceptable |
| 4620 | 1,4-Dichlorobenzene | | EPA 625 | µg/L | 37.1 | 19.7 | 9.73 - 40.8 | 3.71 - 48.4 | Acceptable |
| 5945 | 3,3'-Dichlorobenzidine | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 5945 | 3,3'-Dichlorobenzidine | | EPA 625 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6070 | Diethyl phthalate | | EPA 8270 | µg/L | 120 | 73.2 | 46.1 - 141 | 22.3 - 165 | Acceptable |
| 6070 | Diethyl phthalate | | EPA 625 | µg/L | 120 | 73.2 | 46.1 - 141 | 22.3 - 165 | Acceptable |
| 6135 | Dimethyl phthalate | | EPA 8270 | µg/L | 146 | 89.0 | 21.6 - 172 | 14.6 - 209 | Acceptable |
| 6135 | Dimethyl phthalate | | EPA 625 | µg/L | 146 | 89.0 | 21.6 - 172 | 14.6 - 209 | Acceptable |
| 6185 | 2,4-Dinitrotoluene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6185 | 2,4-Dinitrotoluene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 6190 | 2,6-Dinitrotoluene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 6190 | 2,6-Dinitrotoluene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |
| 6200 | Di-n-octylphthalate | | EPA 8270 | µg/L | 95.4 | 67.7 | 41.5 - 122 | 21.5 - 142 | Acceptable |
| 6200 | Di-n-octylphthalate | | EPA 625 | µg/L | 95.4 | 67.7 | 41.5 - 122 | 21.5 - 142 | Acceptable |
| 6255 | bis(2-ethylhexyl) phthalate | | EPA 8270 | µg/L | 98.1 | 77.6 | 46.7 - 117 | 29.0 - 135 | Acceptable |
| 6255 | bis(2-ethylhexyl) phthalate | | EPA 625 | µg/L | 98.1 | 77.6 | 46.7 - 117 | 29.0 - 135 | Acceptable |
| 6265 | Fluoranthene | | EPA 8270 | µg/L | 156 | 102 | 87.7 - 172 | 68.2 - 185 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

**Opening Date: May 5, 2008 - Closing Date: June 19, 2008**

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Base Neutrals (PT-BN-WP) — Lot #: 8074-27

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5500 | Acenaphthene | | EPA 8270 | µg/L | 155 | 93.5 | 80.8 - 171 | 60.4 - 183 | Acceptable |
| 5500 | Acenaphthene | | EPA 625 | µg/L | 155 | 93.5 | 80.8 - 171 | 60.4 - 183 | Acceptable |
| 5505 | Acenaphthylene | | EPA 8270 | µg/L | 51.5 | 33.3 | 27.2 - 56.7 | 19.9 - 63.8 | Acceptable |
| 5505 | Acenaphthylene | | EPA 625 | µg/L | 51.5 | 33.3 | 27.2 - 56.7 | 19.9 - 63.8 | Acceptable |
| 5555 | Anthracene | | EPA 8270 | µg/L | 89.6 | 59.4 | 50.2 - 99.6 | 37.8 - 112 | Acceptable |
| 5555 | Anthracene | | EPA 625 | µg/L | 89.6 | 59.4 | 50.2 - 99.6 | 37.8 - 112 | Acceptable |
| 5575 | Benzo(a)anthracene | | EPA 8270 | µg/L | 196 | 142 | 115 - 220 | 89.3 - 246 | Acceptable |
| 5575 | Benzo(a)anthracene | | EPA 625 | µg/L | 195 | 142 | 115 - 220 | 89.3 - 246 | Acceptable |
| 5585 | Benzo(b)fluoranthene | | EPA 8270 | µg/L | 45.2 | 38.5 | 23.7 - 54.2 | 16.1 - 61.8 | Acceptable |
| 5585 | Benzo(b)fluoranthene | | EPA 625 | µg/L | 45.2 | 38.5 | 23.7 - 54.2 | 16.1 - 61.8 | Acceptable |
| 5600 | Benzo(k)fluoranthene | | EPA 8270 | µg/L | 41.3 | 31.3 | 18.3 - 53.5 | 9.50 - 62.3 | Acceptable |
| 5600 | Benzo(k)fluoranthene | | EPA 625 | µg/L | 41.3 | 31.3 | 18.3 - 53.5 | 9.50 - 62.3 | Acceptable |
| 5590 | Benzo(g,h,i)perylene | | EPA 8270 | µg/L | 25.1 | 18.4 | 10.6 - 32.2 | 5.20 - 37.7 | Acceptable |
| 5590 | Benzo(g,h,i)perylene | | EPA 625 | µg/L | 25.1 | 18.4 | 10.6 - 32.2 | 5.20 - 37.7 | Acceptable |
| 5580 | Benzo(a)pyrene | | EPA 8270 | µg/L | 52.0 | 36.6 | 5.20 - 204 | 5.20 - 285 | Acceptable |
| 5580 | Benzo(a)pyrene | | EPA 625 | µg/L | 52.0 | 38.6 | 5.20 - 204 | 5.20 - 285 | Acceptable |
| 5595 | Benzidine | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 5595 | Benzidine | | EPA 625 | µg/L | 0.00 | 10.0 | | | Not Acceptable |
| 5660 | 4-Bromophenyl-phenylether | | EPA 8270 | µg/L | 176 | 101 | 85.8 - 205 | 56.1 - 234 | Acceptable |
| 5660 | 4-Bromophenyl-phenylether | | EPA 625 | µg/L | 176 | 101 | 85.8 - 205 | 56.1 - 234 | Acceptable |
| 5670 | Butyl benzyl phthalate | | EPA 8270 | µg/L | 169 | 118 | 69.2 - 203 | 35.7 - 237 | Acceptable |
| 5670 | Butyl benzyl phthalate | | EPA 625 | µg/L | 169 | 118 | 69.2 - 203 | 35.7 - 237 | Acceptable |
| 5760 | bis(2-Chloroethoxy)methane | | EPA 8270 | µg/L | 24.4 | 14.3 | 12.9 - 27.1 | 9.33 - 30.7 | Acceptable |
| 5760 | bis(2-Chloroethoxy)methane | | EPA 625 | µg/L | 24.4 | 14.3 | 12.9 - 27.1 | 9.33 - 30.7 | Acceptable |
| 5765 | bis(2-Chloroethyl)ether | | EPA 8270 | µg/L | 21.6 | 14.1 | 11.5 - 26.7 | 7.68 - 30.5 | Acceptable |
| 5765 | bis(2-Chloroethyl)ether | | EPA 625 | µg/L | 21.6 | 14.1 | 11.5 - 26.7 | 7.68 - 30.5 | Acceptable |
| 5780 | bis(2-Chloroiospropyl) ether | | EPA 8270 | µg/L | 116 | 64.8 | 47.4 - 128 | 28.6 - 141 | Acceptable |
| 5780 | bis(2-Chloroiospropyl) ether | | EPA 625 | µg/L | 116 | 64.8 | 47.4 - 128 | 28.6 - 141 | Acceptable |
| 5795 | 2-Chloronaphthalene | | EPA 8270 | µg/L | 0.00 | <10.0 | | | Acceptable |
| 5795 | 2-Chloronaphthalene | | EPA 625 | µg/L | 0.00 | <4.0 | | | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

**Volatiles (PT-VOA-WP) cont'd** — Lot #: 8074-26

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 5140 | Toluene | | 602 | µg/L | 30.0 | 27.4 | 23.7 - 35.2 | 20.9 - 38.1 | Acceptable |
| 5140 | Toluene | | 8021 | µg/L | 30.0 | 27.4 | 23.7 - 35.2 | 20.9 - 38.1 | Acceptable |
| 5180 | 1,1,1-Trichloroethane | | | µg/L | 44.4 | | 32.9 - 53.6 | 27.8 - 58.7 | NR |
| 5165 | 1,1,2-Trichloroethane | | | µg/L | 72.6 | | 57.6 - 86.8 | 50.2 - 94.1 | NR |
| 5170 | Trichloroethene | | | µg/L | 23.8 | | 17.8 - 29.1 | 15.0 - 31.9 | NR |
| 5175 | Trichlorofluoromethane | | | µg/L | 49.1 | | | 19.8 - 78.8 | NR |
| 5235 | Vinyl chloride | | | µg/L | 26.0 | | | 10.4 - 41.6 | NR |
| 5260 | Xylenes, total | | 602 | µg/L | 46.2 | 138.4 | 32.2 - 57.9 | 25.8 - 64.3 | Not Acceptable |
| 5260 | Xylenes, total | | 8021 | µg/L | 46.2 | 138.4 | 32.2 - 57.9 | 25.8 - 64.3 | Not Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 4630 | 1,1-Dichloroethane | | | µg/L | 93.7 | | 75.4 - 118 | 64.7 - 129 | NR |
| 4645 | cis-1,2-Dichloroethene | | | µg/L | 60.0 | | 49.5 - 73.7 | 43.5 - 79.7 | NR |
| 4880 | cis-1,3-Dichloropropylene | | | µg/L | 62.3 | | | 43.6 - 81.0 | NR |
| 4860 | 2-Hexanone | | | µg/L | 107 | | 71.3 - 139 | 54.3 - 158 | NR |
| 5000 | Methyl tert-butyl ether (MTBE) | | 602 | µg/L | 43.6 | 34.5 | 32.9 - 56.2 | 27.1 - 62.0 | Acceptable |
| 5000 | Methyl tert-butyl ether (MTBE) | | 8021 | µg/L | 43.6 | 34.5 | 32.9 - 58.2 | 27.1 - 62.0 | Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| 4320 | Acetonitrile | | | µg/L | <5 | | | | NR |
| 4325 | Acrolein | | | µg/L | <5 | | | | NR |
| 4340 | Acrylonitrile | | | µg/L | <5 | | | | NR |
| 4450 | Carbon disulfide | | | µg/L | <5 | | | | NR |
| 4500 | 2-Chloroethylvinylether | | | µg/L | <5 | | | | NR |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | | | µg/L | 98.9 | | | 29.7 - 139 | NR |
| 4585 | 1,2-Dibromoethane (EDB) | | | µg/L | <5 | | | | NR |
| 4595 | Dibromomethane | | | µg/L | <5 | | | | NR |
| 4625 | Dichlorodifluoromethane | | | µg/L | <5 | | | | NR |
| 5105 | 1,1,1,2-Tetrachloroethane | | | µg/L | 162 | | | 48.6 - 227 | NR |
| 5180 | 1,2,3-Trichloropropane | | | µg/L | <5 | | | | NR |
| 5225 | Vinyl acetate | | | µg/L | <5 | | | | NR |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Volatiles (PT-VOA-WP) — Lot #: 8074-26

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 4375 | Benzene | | 602 | µg/L | 15.2 | 13.5 | 11.7 - 18.7 | 10.0 - 20.4 | Acceptable |
| 4375 | Benzene | | 8021 | µg/L | 15.2 | 13.5 | 11.7 - 18.7 | 10.0 - 20.4 | Acceptable |
| 4395 | Bromodichloromethane | | | µg/L | 87.1 | | 71.2 - 108 | 61.9 - 118 | NR |
| 4400 | Bromoform | | | µg/L | 23.9 | | 17.3 - 29.4 | 14.3 - 32.4 | NR |
| 4950 | Bromomethane | | | µg/L | 0.00 | | | | NR |
| 4455 | Carbon tetrachloride | | | µg/L | 49.8 | | 34.2 - 61.3 | 27.4 - 68.1 | NR |
| 4475 | Chlorobenzene | | 602 | µg/L | 38.1 | 37.6 | 30.8 - 44.6 | 27.4 - 48.0 | Acceptable |
| 4475 | Chlorobenzene | | 8021 | µg/L | 38.1 | 37.6 | 30.8 - 44.6 | 27.4 - 48.0 | Acceptable |
| 4485 | Chloroethane | | | µg/L | 40.0 | | | 16.0 - 64.0 | NR |
| 4505 | Chloroform | | | µg/L | 17.0 | | 13.5 - 21.1 | 11.8 - 23.0 | NR |
| 4980 | Chloromethane | | | µg/L | 31.6 | | | 12.6 - 50.6 | NR |
| 4575 | Dibromochloromethane | | | µg/L | 45.5 | | 35.9 - 55.5 | 31.0 - 60.4 | NR |
| 4610 | 1,2 Dichlorobenzene | | 602 | µg/L | 40.4 | 39.8 | 31.9 - 48.5 | 27.7 - 52.7 | Acceptable |
| 4610 | 1,2 Dichlorobenzene | | 8021 | µg/L | 40.4 | 39.8 | 31.9 - 48.5 | 27.7 - 52.7 | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | 602 | µg/L | 40.4 | 39.8 | 31.1 - 47.6 | 27.0 - 51.8 | Acceptable |
| 4615 | 1,3 Dichlorobenzene | | 8021 | µg/L | 40.4 | 39.8 | 31.1 - 47.6 | 27.0 - 51.8 | Acceptable |
| 4620 | 1,4 Dichlorobenzene | | 602 | µg/L | 30.3 | 27.0 | 23.3 - 35.8 | 20.2 - 38.9 | Acceptable |
| 4620 | 1,4 Dichlorobenzene | | 8021 | µg/L | 30.3 | 27.0 | 23.3 - 35.8 | 20.2 - 38.9 | Acceptable |
| 4635 | 1,2 Dichloroethane | | | µg/L | 90.2 | | 71.9 - 109 | 62.7 - 118 | NR |
| 4640 | 1,1-Dichloroethene | | | µg/L | 96.6 | | 64.6 - 125 | 49.6 - 140 | NR |
| 4700 | trans-1,2-Dichloroethene | | | µg/L | 0.00 | | | | NR |
| 4655 | 1,2-Dichloropropane | | | µg/L | 27.4 | | 20.7 - 33.6 | 17.5 - 36.8 | NR |
| 4685 | trans-1,3-Dichloropropene | | | µg/L | 50.4 | | 38.1 - 62.0 | 32.2 - 68.0 | NR |
| 4765 | Ethylbenzene | | 602 | µg/L | 29.1 | 27.6 | 22.8 - 34.6 | 19.8 - 37.5 | Acceptable |
| 4765 | Ethylbenzene | | 8021 | µg/L | 29.1 | 27.6 | 22.8 - 34.6 | 19.8 - 37.5 | Acceptable |
| 4975 | Methylene Chloride | | | µg/L | 98.6 | | 73.2 - 124 | 60.5 - 136 | NR |
| 4995 | 4-Methyl-2-pentanone (MIBK) | | | µg/L | 95.3 | | 61.5 - 126 | 45.4 - 142 | NR |
| 5100 | Styrene | | | µg/L | 88.0 | | 66.7 - 110 | 55.9 - 121 | NR |
| 5110 | 1,1,2,2-Tetrachloroethane | | | µg/L | 45.5 | | 32.7 - 60.9 | 25.6 - 66.0 | NR |
| 5115 | Tetrachloroethene | | | µg/L | 49.9 | | 33.9 - 59.0 | 27.6 - 65.3 | NR |

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561-447-7373 ext. 150

EPA Lab ID: FL00449

**Silica (PT-SIO2-WP)** — Lot #: 8074-21

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1990 | Silica (as SiO2) | | 200.7 | mg/L | 60.8 | 58.6 | | 45.6 - 76.0 | Acceptable |
| 1990 | Silica (as SiO2) | | 6010 | mg/L | 60.8 | 48.0 | | 45.6 - 76.0 | Acceptable |

**Color (PT-COL-WP)** — Lot #: 8074-51

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1605 | Color | | 110.2 | CU | 52.9 | 50 | | 42.9 - 62.9 | Acceptable |
| 1605 | Color | | SM2120B | CU | 52.9 | 50 | | 42.9 - 62.9 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Phenolics (PT-PHEN-WP) — Lot #: 8074-16

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1905 | Total Phenolics (4AAP) | | 420.2 | mg/L | 0.250 | 0.33 | 0.171 - 0.416 | 0.131 - 0.416 | Acceptable |
| 1905 | Total Phenolics (4AAP) | | 9066 | mg/L | 0.250 | 0.33 | 0.171 - 0.416 | 0.131 - 0.416 | Acceptable |

## Sulfide (PT-S2-WP) — Lot #: 8074-22

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2005 | Sulfide | | 376.1 | mg/L | 6.79 | 8.16 | 4.23 - 8.62 | 3.13 - 9.72 | Acceptable |
| 2005 | Sulfide | | SM4500-SF | mg/L | 6.79 | 8.16 | 4.23 - 8.62 | 3.13 - 9.72 | Acceptable |

## Surfactants (PT-MBAS-WP) — Lot #: 8074-23

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2025 | Surfactants - MBAS | | SM5540C | mg/L | 0.673 | 0.604 | 0.507 - 0.882 | 0.413 - 0.976 | Acceptable |
| 2025 | Surfactants - MBAS | | 425.1 | mg/L | 0.673 | 0.604 | 0.507 - 0.882 | 0.413 - 0.976 | Acceptable |

## Volatile Solids (PT-VSOL-WP) — Lot #: 8074-18

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1970 | Volatile Solids | | 160.4 | mg/L | 382 | 426 | 336 - 420 | 322 - 420 | Not Acceptable |
| 1970 | Volatile Solids | | SM2540E | mg/L | 382 | 426 | 336 - 420 | 322 - 420 | Not Acceptable |

## Turbidity (PT-TURB-WP) — Lot #: 8074-20

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 2055 | Turbidity | | 180.1 | NTU | 8.87 | 8.90 | 7.91 - 9.76 | 7.48 - 10.1 | Acceptable |
| 2055 | Turbidity | | SM2130B | NTU | 8.87 | 8.90 | 7.91 - 9.76 | 7.48 - 10.1 | Acceptable |

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## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

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Contact: Mrs. Marie Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Nutrients - #3 (PT-NUT-WP(3)) — Lot #: 8074-69

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1840 | Nitrite as N | | SM4500NO2B | mg/L | 2.34 | 2.44 | 2.09 - 2.58 | 1.97 - 2.71 | Acceptable |
| 1840 | Nitrite as N | | EPA 354.1 | mg/L | 2.34 | 2.44 | 2.09 - 2.58 | 1.97 - 2.71 | Acceptable |
| 1840 | Nitrite as N | | EPA 300 | mg/L | 2.34 | 2.46 | 2.09 - 2.58 | 1.97 - 2.71 | Acceptable |

## Oil & Grease (PT-OGR-WP) — Lot #: 8074-12

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1860 | Oil & Grease | | EPA 1664A | mg/L | 35.8 | 36.1 | 25.0 - 41.1 | 21.0 - 45.1 | Acceptable |

## Residual Chlorine (PT-CL-WP) — Lot #: 8074-13

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1940 | Total Residual Chlorine | | EPA 330.5 | mg/L | 1.33 | 1.50 | 1.07 - 1.53 | 0.955 - 1.65 | Acceptable |

## pH (PT-PH-WP) — Lot #: 8074-15

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1900 | pH | | EPA 150.1 | S.U. | 8.10 | 8.10 | | 7.90 - 8.30 | Acceptable |
| 1900 | pH | | 9040 | S.U. | 8.10 | 8.10 | | 7.90 - 8.30 | Acceptable |
| 1900 | pH | | SM4500 | S.U. | 8.10 | 8.10 | | 7.90 - 8.30 | Acceptable |

## Total Cyanide (PT-CN-WP) — Lot #: 8074-14

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1645 | Total Cyanide | | EPA 335.3 | mg/L | 0.633 | 0.56 | 0.470 - 0.797 | 0.389 - 0.879 | Acceptable |
| 1645 | Total Cyanide | | EPA 335.4 | mg/L | 0.633 | 0.56 | 0.470 - 0.797 | 0.389 - 0.879 | Acceptable |
| 1645 | Total Cyanide | | 9012 | mg/L | 0.633 | 0.56 | 0.470 - 0.797 | 0.389 - 0.879 | Acceptable |

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# Final Report - Water Pollution Proficiency Testing

## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Specific Conductance (PT-COND-WP) — Lot #: 8074-72

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1610 | Specific Conductance (25°C) | | EPA 120.1 | µmhos/cm | 529 | 870 | 387 - 564 | 387 - 582 | Not Acceptable |

## Solids (PT-SOL-WP) — Lot #: 8074-09

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1955 | Total Dissolved Solids at 180° (TFR) | | SM2540C | mg/L | 431 | 419 | 364 - 499 | 330 - 533 | Acceptable |
| 1955 | Total Dissolved Solids at 180° (TFR) | | EPA 160.1 | mg/L | 431 | 419 | 364 - 499 | 330 - 533 | Acceptable |
| 1960 | Non-Filterable Residue (TSS) | | SM2540D | mg/L | 58.8 | 61.4 | 49.9 - 64.7 | 46.6 - 66.6 | Acceptable |
| 1960 | Non-Filterable Residue (TSS) | | EPA 160.2 | mg/L | 58.8 | 61.4 | 49.9 - 64.7 | 46.6 - 66.6 | Acceptable |
| 1950 | Total Solids | | SM2540C | mg/L | 493 | 488 | 443 - 542 | 443 - 542 | Acceptable |
| 1950 | Total Solids | | EPA 160.3 | mg/L | 493 | 488 | 443 - 542 | 443 - 542 | Acceptable |

## Nutrients - #1 (PT-NUT-WP(1)) — Lot #: 8074-10

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1515 | Ammonia as N | | EPA 350.1 | mg/L | 7.35 | 6.87 | 6.05 - 8.62 | 5.40 - 9.26 | Acceptable |
| 1810 | Nitrate as N | | EPA 353.2 | mg/L | 1.70 | 1.61 | 1.45 - 1.95 | 1.32 - 2.07 | Acceptable |
| 1810 | Nitrate as N | | EPA 300 | mg/L | 1.70 | 1.61 | 1.45 - 1.95 | 1.32 - 2.07 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 353.2 | mg/L | 1.70 | 1.61 | 1.48 - 1.89 | 1.38 - 2.00 | Acceptable |
| 1820 | Nitrate and Nitrite as N | | EPA 300 | mg/L | 1.70 | 1.61 | 1.48 - 1.89 | 1.38 - 2.00 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 365.1 | mg/L | 4.95 | 4.85 | 4.38 - 5.55 | 4.09 - 5.85 | Acceptable |
| 1870 | Orthophosphate as P | | EPA 300 | mg/L | 4.95 | 4.77 | 4.38 - 5.55 | 4.09 - 5.85 | Acceptable |

## Nutrients - #2 (PT-NUT-WP(2)) — Lot #: 8074-11

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1795 | Total Kjeldahl Nitrogen (TKN) | | EPA 351.2 | mg/L | 7.26 | 6.86 | 5.64 - 8.74 | 4.87 - 9.51 | Acceptable |
| 1910 | Total Phosphorous | | EPA 365.1 | mg/L | 1.55 | 1.54 | 1.34 - 1.81 | 1.22 - 1.93 | Acceptable |

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EPA Lab ID: FL00449

**Minerals (PT-MIN-WP)** — Lot #: 8074-08

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1505 | Total Alkalinity(as CaCO3) | | SM2320B | mg/L | 93.2 | 90.0 | 83.9 - 103 | 82.6 - 103 | Acceptable |
| 1505 | Total Alkalinity(as CaCO3) | | EPA 310.1 | mg/L | 93.2 | 90.0 | 83.9 - 103 | 82.6 - 103 | Acceptable |
| 1035 | Calcium | | 200.7 | mg/L | 33.0 | 14.7 | 29.7 - 36.3 | 29.3 - 37.6 | Not Acceptable |
| 1035 | Calcium | | 6010 | mg/L | 33.0 | 14.6 | 29.7 - 36.3 | 29.3 - 37.6 | Not Acceptable |
| 1575 | Chloride | | EPA 300 | mg/L | 127 | 123.62 | 114 - 140 | 109 - 144 | Acceptable |
| 1575 | Chloride | | 9056 | mg/L | 127 | 123.62 | 114 - 140 | 109 - 144 | Acceptable |
| 1575 | Chloride | | EPA 325.2 | mg/L | 127 | 116.80 | 114 - 140 | 109 - 144 | Acceptable |
| 1730 | Fluoride | | EPA 300 | mg/L | 0.570 | 3.07 | 0.440 - 0.697 | 0.376 - 0.761 | Not Acceptable |
| 1730 | Fluoride | | 9056 | mg/L | 0.570 | 3.07 | 0.440 - 0.697 | 0.376 - 0.761 | Not Acceptable |
| 1550 | Calcium Hardness (as CaCO3) | | 200.7 | mg/L | 82.4 | 36.7 | 74.2 - 90.6 | 73.2 - 93.8 | Not Acceptable |
| 1550 | Calcium Hardness (as CaCO3) | | 6010 | mg/L | 82.4 | 36.5 | 74.2 - 90.6 | 73.2 - 93.8 | Not Acceptable |
| 1755 | Total Hardness (as CaCO3) | | SM2340B | mg/L | 224 | 113 | 202 - 247 | 195 - 257 | Not Acceptable |
| 1755 | Total Hardness (as CaCO3) | | 200.7 | mg/L | 224 | 113 | 202 - 247 | 195 - 257 | Not Acceptable |
| 1755 | Total Hardness (as CaCO3) | | 6010 | mg/L | 224 | 111 | 202 - 247 | 195 - 257 | Not Acceptable |
| 1085 | Magnesium | | 200.7 | mg/L | 34.4 | 18.6 | 31.0 - 37.9 | 29.5 - 39.5 | Not Acceptable |
| 1085 | Magnesium | | 6010 | mg/L | 34.4 | 18.2 | 31.0 - 37.9 | 29.5 - 39.5 | Not Acceptable |
| 1125 | Potassium | | 200.7 | mg/L | 29.4 | 23.0 | 26.1 - 33.2 | 24.3 - 35.0 | Not Acceptable |
| 1125 | Potassium | | 6010 | mg/L | 29.4 | 22.7 | 26.1 - 33.2 | 24.3 - 35.0 | Not Acceptable |
| 1155 | Sodium | | 200.7 | mg/L | 51.7 | 40.0 | 46.5 - 56.9 | 43.9 - 59.4 | Not Acceptable |
| 1155 | Sodium | | 6010 | mg/L | 51.7 | 39.9 | 46.5 - 56.9 | 43.9 - 59.4 | Not Acceptable |
| 2000 | Sulfate | | EPA 300 | mg/L | 21.3 | 20.67 | 18.1 - 24.0 | 16.6 - 25.4 | Acceptable |
| **NELAC Experimental Analytes** | | | | | | | | | |
| 1540 | Bromide | | EPA 300 | mg/L | 1.94 | 3.079 | | 1.65 - 2.23 | Not Acceptable |
| 1540 | Bromide | | 9056 | mg/L | 1.94 | 3.079 | | 1.65 - 2.23 | Not Acceptable |
| **Additional State Specific Analytes** | | | | | | | | | |
| - | Total Inorganic Carbon | | | mg/L | 21.0 | | | 10.5 - 31.6 | NR |

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## Study: WP0508

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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Tin and Titanium (PT-SNTI-WP) — Lot #: 8074-38

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1175 | Tin | | EPA 200.7 | µg/L | 1770 | 12120 | 1520 - 2020 | 1390 - 2140 | Not Acceptable |
| 1175 | Tin | | 6010 | µg/L | 1770 | 1770 | 1520 - 2020 | 1390 - 2140 | Acceptable |
| 1180 | Titanium | | 6010 | µg/L | 173 | 172 | 156 - 190 | 148 - 195 | Acceptable |

## Chromium VI (PT-CR6-WP) — Lot #: 8074-06

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1045 | Chromium VI | | 7196 | µg/L | 166 | 155.2 | 144 - 189 | 133 - 200 | Acceptable |

## Demand (PT-DEM-WP) — Lot #: 8074-07

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1530 | BOD | | SM5210B | mg/L | 82.2 | 80.6 | 55.1 - 109 | 41.5 - 123 | Acceptable |
| 1555 | CBOD | | SM5210B | mg/L | 70.8 | 67.3 | 44.8 - 96.8 | 31.7 - 110 | Acceptable |
| 1565 | COD | | EPA 410.4 | mg/L | 130 | 118.0 | 107 - 143 | 98.5 - 150 | Acceptable |
| 2040 | TOC | | EPA 415.1 | mg/L | 48.8 | 45.66 | 43.3 - 53.7 | 40.7 - 56.3 | Acceptable |
| 2040 | TOC | | 9060 | mg/L | 48.8 | 45.66 | 43.3 - 53.7 | 40.7 - 56.3 | Acceptable |
| 2040 | TOC | | SM5310B | mg/L | 48.8 | 45.66 | 43.3 - 53.7 | 40.7 - 56.3 | Acceptable |

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## Trace Metals (PT-TM-WP) cont'd — Lot #: 8074-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1140 | Selenium | | 6010 | µg/L | 1980 | 2060 | 1700 - 2180 | 1580 - 2280 | Acceptable |
| 1150 | Silver | | EPA 6020 | µg/L | 519 | 15100 | 467 - 571 | 446 - 595 | Not Acceptable |
| 1150 | Silver | | EPA 200.8 | µg/L | 519 | 269 | 467 - 571 | 446 - 595 | Not Acceptable |
| 1150 | Silver | | 200.7 | µg/L | 519 | 496 | 467 - 571 | 446 - 595 | Acceptable |
| 1150 | Silver | | 6010 | µg/L | 519 | 541 | 467 - 571 | 446 - 595 | Acceptable |
| 1160 | Strontium | | EPA 6020 | µg/L | 242 | 269 | 218 - 266 | 211 - 274 | Check for Error |
| 1160 | Strontium | | EPA 200.8 | µg/L | 242 | 4269 | 218 - 266 | 211 - 274 | Not Acceptable |
| 1160 | Strontium | | 200.7 | µg/L | 242 | 231 | 218 - 266 | 211 - 274 | Acceptable |
| 1160 | Strontium | | 6010 | µg/L | 242 | 243 | 218 - 266 | 211 - 274 | Acceptable |
| 1165 | Thallium | | EPA 6020 | µg/L | 734 | 4269 | 648 - 826 | 603 - 873 | Not Acceptable |
| 1165 | Thallium | | EPA 200.8 | µg/L | 734 | 135 | 648 - 826 | 603 - 873 | Not Acceptable |
| 1165 | Thallium | | 200.7 | µg/L | 734 | 764 | 648 - 826 | 603 - 873 | Acceptable |
| 1165 | Thallium | | 6010 | µg/L | 734 | 816 | 648 - 826 | 603 - 873 | Acceptable |
| 1185 | Vanadium | | EPA 6020 | µg/L | 1920 | 135 | 1730 - 2110 | 1680 - 2150 | Not Acceptable |
| 1185 | Vanadium | | EPA 200.8 | µg/L | 1920 | 133 | 1730 - 2110 | 1680 - 2150 | Not Acceptable |
| 1185 | Vanadium | | 200.7 | µg/L | 1920 | 1820 | 1730 - 2110 | 1680 - 2150 | Acceptable |
| 1185 | Vanadium | | 6010 | µg/L | 1920 | 1970 | 1730 - 2110 | 1680 - 2150 | Acceptable |
| 1190 | Zinc | | EPA 6020 | µg/L | 132 | 133 | 119 - 150 | 111 - 157 | Acceptable |
| 1190 | Zinc | | 200.7 | µg/L | 132 | 137 | 119 - 150 | 111 - 157 | Acceptable |
| 1190 | Zinc | | 6010 | µg/L | 132 | 154 | 119 - 150 | 111 - 157 | Check for Error |

## Mercury (PT-HG-WP) — Lot #: 8074-05

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1095 | Mercury | | EPA 7470 | µg/L | 19.2 | 19.1 | 14.5 - 23.9 | 12.2 - 26.3 | Acceptable |

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Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Trace Metals (PT-TM-WP) cont'd — Lot #: 8074-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1040 | Chromium | | 6010 | µg/L | 582 | 579 | 506 - 618 | 489 - 636 | Acceptable |
| 1050 | Cobalt | | EPA 6020 | µg/L | 53.5 | 56.0 | 48.0 - 58.9 | 45.4 - 61.0 | Acceptable |
| 1050 | Cobalt | | EPA 200.8 | µg/L | 53.5 | 184 | 48.0 - 58.9 | 45.4 - 61.0 | Not Acceptable |
| 1050 | Cobalt | | 200.7 | µg/L | 53.5 | 53.5 | 48.0 - 58.9 | 45.4 - 61.0 | Acceptable |
| 1050 | Cobalt | | 6010 | µg/L | 53.5 | 59.3 | 48.0 - 58.9 | 45.4 - 61.0 | Check for Error |
| 1055 | Copper | | EPA 6020 | µg/L | 196 | 184 | 176 - 216 | 175 - 218 | Acceptable |
| 1055 | Copper | | EPA 200.8 | µg/L | 196 | 522 | 176 - 216 | 175 - 218 | Not Acceptable |
| 1055 | Copper | | 200.7 | µg/L | 196 | 186 | 176 - 216 | 175 - 218 | Acceptable |
| 1055 | Copper | | 6010 | µg/L | 196 | 210 | 176 - 216 | 175 - 218 | Acceptable |
| 1070 | Iron | | EPA 6020 | µg/L | 427 | 522 | 384 - 470 | 375 - 487 | Not Acceptable |
| 1070 | Iron | | EPA 200.8 | µg/L | 427 | 871 | 384 - 470 | 375 - 487 | Not Acceptable |
| 1070 | Iron | | 200.7 | µg/L | 427 | 404 | 384 - 470 | 375 - 487 | Acceptable |
| 1070 | Iron | | 6010 | µg/L | 427 | 469 | 384 - 470 | 375 - 487 | Acceptable |
| 1075 | Lead | | EPA 6020 | µg/L | 881 | 871 | 793 - 969 | 772 - 988 | Acceptable |
| 1075 | Lead | | EPA 200.8 | µg/L | 881 | 6401 | 793 - 969 | 772 - 988 | Not Acceptable |
| 1075 | Lead | | 200.7 | µg/L | 881 | 863 | 793 - 969 | 772 - 988 | Acceptable |
| 1075 | Lead | | 6010 | µg/L | 881 | 922 | 793 - 969 | 772 - 988 | Acceptable |
| 1090 | Manganese | | EPA 6020 | µg/L | 1380 | 6401 | 1240 - 1520 | 1240 - 1530 | Not Acceptable |
| 1090 | Manganese | | 200.7 | µg/L | 1380 | 1280 | 1240 - 1520 | 1240 - 1530 | Acceptable |
| 1090 | Manganese | | 6010 | µg/L | 1380 | 1320 | 1240 - 1520 | 1240 - 1530 | Acceptable |
| 1100 | Molybdenum | | EPA 200.8 | µg/L | 163 | 1100 | 143 - 181 | 134 - 190 | Not Acceptable |
| 1100 | Molybdenum | | 200.7 | µg/L | 163 | 139 | 143 - 181 | 134 - 190 | Check for Error |
| 1100 | Molybdenum | | 6010 | µg/L | 163 | 153 | 143 - 181 | 134 - 190 | Acceptable |
| 1105 | Nickel | | EPA 6020 | µg/L | 1100 | 1100 | 990 - 1210 | 990 - 1230 | Acceptable |
| 1105 | Nickel | | EPA 200.8 | µg/L | 1100 | 1860 | 990 - 1210 | 990 - 1230 | Not Acceptable |
| 1105 | Nickel | | 200.7 | µg/L | 1100 | 1020 | 990 - 1210 | 990 - 1230 | Acceptable |
| 1105 | Nickel | | 6010 | µg/L | 1100 | 1170 | 990 - 1210 | 990 - 1230 | Acceptable |
| 1140 | Selenium | | EPA 6020 | µg/L | 1980 | 1860 | 1700 - 2180 | 1580 - 2290 | Acceptable |
| 1140 | Selenium | | EPA 200.8 | µg/L | 1980 | 15100 | 1700 - 2180 | 1580 - 2290 | Not Acceptable |
| 1140 | Selenium | | 200.7 | µg/L | 1980 | 1780 | 1700 - 2180 | 1580 - 2290 | Acceptable |

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## Study: WP0508

### Opening Date: May 5, 2008 - Closing Date: June 19, 2008

Laboratory: Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Contact: Mrs. Maria Pacheco, QA Director
561-447-7373 ext. 150

EPA Lab ID: FL00449

## Trace Metals (PT-TM-WP) — Lot #: 8074-04

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Warning Limits | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|---|
| 1000 | Aluminum | | EPA 6020 | µg/L | 2780 | 3303 | 2450 - 3070 | 2300 - 3230 | Not Acceptable |
| 1000 | Aluminum | | EPA 200.8 | µg/L | 2780 | 3303 | 2450 - 3070 | 2300 - 3230 | Not Acceptable |
| 1000 | Aluminum | | 200.7 | µg/L | 2780 | 2600 | 2450 - 3070 | 2300 - 3230 | Acceptable |
| 1000 | Aluminum | | 6010 | µg/L | 2780 | 2800 | 2450 - 3070 | 2300 - 3230 | Acceptable |
| 1005 | Antimony | | EPA 6020 | µg/L | 694 | 667 | 547 - 776 | 490 - 834 | Acceptable |
| 1005 | Antimony | | EPA 200.8 | µg/L | 694 | 667 | 547 - 776 | 490 - 834 | Acceptable |
| 1005 | Antimony | | 200.7 | µg/L | 694 | 534 | 547 - 776 | 490 - 834 | Check for Error |
| 1005 | Antimony | | 6010 | µg/L | 694 | 590 | 547 - 776 | 490 - 834 | Acceptable |
| 1010 | Arsenic | | EPA 6020 | µg/L | 393 | 335 | 350 - 439 | 328 - 461 | Check for Error |
| 1010 | Arsenic | | EPA 200.8 | µg/L | 393 | 335 | 350 - 439 | 328 - 461 | Check for Error |
| 1010 | Arsenic | | 200.7 | µg/L | 393 | 366 | 350 - 439 | 328 - 461 | Acceptable |
| 1010 | Arsenic | | 6010 | µg/L | 393 | 405 | 350 - 439 | 328 - 461 | Acceptable |
| 1015 | Barium | | EPA 6020 | µg/L | 2350 | 2599 | 2120 - 2590 | 2040 - 2650 | Check for Error |
| 1015 | Barium | | EPA 200.8 | µg/L | 2350 | 2599 | 2120 - 2590 | 2040 - 2650 | Check for Error |
| 1015 | Barium | | 200.7 | µg/L | 2350 | 2240 | 2120 - 2590 | 2040 - 2650 | Acceptable |
| 1015 | Barium | | 6010 | µg/L | 2350 | 2450 | 2120 - 2590 | 2040 - 2650 | Acceptable |
| 1020 | Beryllium | | EPA 6020 | µg/L | 793 | 2399 | 712 - 872 | 675 - 896 | Not Acceptable |
| 1020 | Beryllium | | EPA 200.8 | µg/L | 793 | 2399 | 712 - 872 | 675 - 896 | Not Acceptable |
| 1020 | Beryllium | | 200.7 | µg/L | 793 | 758 | 712 - 872 | 675 - 896 | Acceptable |
| 1020 | Beryllium | | 6010 | µg/L | 793 | 807 | 712 - 872 | 675 - 896 | Acceptable |
| 1025 | Boron | | EPA 200.8 | µg/L | 1500 | 611 | 1310 - 1660 | 1230 - 1750 | Not Acceptable |
| 1025 | Boron | | 200.7 | µg/L | 1500 | 1360 | 1310 - 1660 | 1230 - 1750 | Acceptable |
| 1025 | Boron | | 6010 | µg/L | 1500 | 1500 | 1310 - 1660 | 1230 - 1750 | Acceptable |
| 1030 | Cadmium | | EPA 6020 | µg/L | 619 | 611 | 557 - 681 | 528 - 703 | Acceptable |
| 1030 | Cadmium | | EPA 200.8 | µg/L | 619 | 613 | 557 - 681 | 528 - 703 | Acceptable |
| 1030 | Cadmium | | 200.7 | µg/L | 619 | 583 | 557 - 681 | 528 - 703 | Acceptable |
| 1030 | Cadmium | | 6010 | µg/L | 619 | 637 | 557 - 681 | 528 - 703 | Acceptable |
| 1040 | Chromium | | EPA 6020 | µg/L | 562 | 613 | 506 - 618 | 489 - 636 | Acceptable |
| 1040 | Chromium | | EPA 200.8 | µg/L | 562 | 56.0 | 506 - 618 | 489 - 636 | Not Acceptable |
| 1040 | Chromium | | 200.7 | µg/L | 562 | 526 | 506 - 618 | 489 - 636 | Acceptable |

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**Report Definitions:**

| | |
|---|---|
| ***NELAC Experimental Analytes*** | NELAC Experimental Analytes must be run twice a year. Due to the experimental nature of the acceptance limits, accreditation status is not based on the evaluation received. |
| ***Assigned Value*** | The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable. |
| ***Evaluation Limits*** | Acceptance and Warning Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable. |

***Evaluation***

| | |
|---|---|
| *Acceptable* | The reported value falls within the Warning Limits. |
| *Check for Error* | The reported value falls outside the Warning Limits and within the Acceptance Limits. |
| *Not Acceptable* | The reported value falls outside the Acceptance Limits. |
| *No Evaluation* | The reported value is non-numeric and can not be evaluated. |
| *NR* | As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported). |

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This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.

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ACCREDITED
Certificate # 2427.01

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July 10, 2008

Mrs. Maria Pacheco
Genapure Analytical Services
3231 NW 7th Avenue
Boca Raton, FL 33431
USA

Dear Maria,

Thank you for participating in the WP0508 Water Pollution Proficiency Testing Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Wibby Environmental.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory has been sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the WP0508 Water Pollution Proficiency Testing Study. We appreciate working with you and look forward to our next study. If you have any questions, please call Chuck Wibby, President of Wibby Environmental, or me at 303-940-0033.

Sincerely,

Ty Garber
Operations Manager

Date:03/13/07

| Compound | Method | Matrix | | MDL COL/100ML | RDL COL/100ML | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|---|
| Fecal Coliform | SM 9221E | DW | 2/3/2009 | 1 | 1 | N/A | 20 |
| Heterotrophic plate count | SM 9215B | DW | 2/3/2009 | 1 | 1 | N/A | 20 |
| Heterotrophic plate count | SimPlate | DW | 2/3/2009 | 2 | 2 | N/A | 20 |
| Total Coliforms | SM 9222B | DW | 2/3/2009 | 1 | 1 | 1 | 20 |
| Total Coliforms & E. coli | SM 9223B | DW | 2/3/2009 | 1 | 1 | N/A | 20 |
| Total Coliforms & E. coli | Readycult | DW | 2/3/2009 | 1 | 1 | N/A | 20 |
| Fecal Coliforms | SM 9221E | WW, SW, ML, W | 2/3/2009 | 2 | 2 | N/A | 20 |
| Fecal Coliforms | SM 9222D | WW, SW, ML, W | 2/3/2009 | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9221B | WW, SW, ML, W | 2/3/2009 | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9222B | WW, SW, ML, W | 2/3/2009 | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9221B | S, SED, SL, W | 2/3/2009 | 2 (MPN/gr) | 2 (MPN/gr) | N/A | 20 |
| Fecal Coliforms | SM 9221E | S, SED, SL, W | 2/3/2009 | 2 (MPN/gr) | 2 (MPN/gr) | N/A | 20 |

| Compound | Method | Matrix | MDL (mg/kg) | RDL (mg/kg) | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|
| Ammonia (N) | EPA 350.1 | S, SED, SL, W | | 0.5 | 84- 134 | 30 |
| Bromide | EPA 300.0 | S, SED, SL, W | | | 90- 110 | 30 |
| Bromide | EPA 9056 | S, SED, SL, W | | | 70- 130 | 30 |
| Chloride | EPA 300.0 | S, SED, SL, W | | | 59- 130* | 30 |
| Chloride | 325.2/9251 | S, SED, SL, W | | 10.0 | 70- 130 | 30 |
| Chloride | EPA 9056 | S, SED, SL, W | | | 59- 130 | 30 |
| Cyanide | EPA 9012 | S, SED, SL, W | | 0.50 | 77- 124 | 30 |
| Cyanide, Reactive | SW846 Ch.7 | S, SED, SL, W | N/A | | N/A | 30 |
| EOX | EPA 9023 | S, SED, SL, W | | | 57- 129 | 30 |
| Fluoride | EPA 300.0 | S, SED, SL, W | | | 59- 122* | 30 |
| Fluoride | EPA 9056 | S, SED, SL, W | | | 59- 122 | 30 |
| Ignitability | EPA 1010 | S, SED, SL, W | N/A | | N/A | 30 |
| Nitrate- Nitritre | EPA 353.2 | S, SED, SL, W | | 0.050 | 65- 130* | 30 |
| Nitrate- Nitritre | EPA 300.0 | S, SED, SL, W | | | 60- 129* | 30 |
| Nitrate, (N) | EPA 300.0 | S, SED, SL, W | | | 88- 122* | 30 |
| Nitrate, (N) | EPA 353.2 | S, SED, SL, W | | | 90- 110 | 30 |
| Nitrate, (N) | EPA 9056 | S, SED, SL, W | | | 88- 122 | 30 |
| Nitrite, (N) | EPA 300.0 | S, SED, SL, W | | | 79- 112* | 30 |
| Nitrite, (N) | EPA 353.2 | S, SED, SL, W | | 0.5 | 90- 110 | 30 |
| Nitrite, (N) | EPA 9056 | S, SED, SL, W | | | 79- 112 | 30 |
| Oil and Grease | EPA 9071 | S, SED, SL, W | | | 46- 118 | 30 |
| Organic Nitrogen | CALC | S, SED, SL, W | | | N/A | N/A |

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| | | | | | |
|---|---|---|---|---|---|
| Volatile Acids | SM5560C | WW, GW, SW, ML | N/A | N/A | 20 |
| Water, % | Karl Fisher | WW, GW, SW, ML | N/A | N/A | 20 |
| Water, % | Centrifuge | SL, W | N/A | N/A | 25 |

* EPA Limits 90-110

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updated 12/07/07 and 01/08/08 04/06/08 and 06/12/08

| Compound | Method | Matrix | | MDL mg/L | RDL mg/L | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|---|
| Nitrite (N) | EPA 9056 | DW, WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Nitrite (N) | EPA 300.0 | WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Nitrite (N) | EPA 353.2 | DW | | | 0.05 | 90 110 | 20 |
| Nitrite (N) | SM4500 NO2B | WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Odor | SM2150B/ 140.1 | DW, WW, SW, GW, ML | | | 1 TON | N/A | 20 |
| Oil and Grease | EPA 1664 | WW, GW, SW, ML | | | | 78- 114 | 18 |
| Oil and Grease | EPA 9071 | WW, GW, SW, ML | | | | 66- 115 | 20 |
| Organic Nitrogen | EPA 351.2-350.1 | WW, GW, SW, ML | | | | N/A | N/A |
| Paint Filter Liquid Test | EPA 9095 | WW, GW, SW, ML | | | | N/A | 20 |
| pH | EPA 150.1 /SM4500 HB | DW, WW, SW, GW, ML | | | | N/A | 20 |
| pH | EPA 9040 | WW, SW, GW, ML | | | | N/A | 20 |
| Phenolics | EPA 420.2 | DW, WW, SW, GW, ML | | | 0.01 | 90 110 | 20 |
| Phenolics | EPA 9066 | WW, GW, SW, ML | | | 0.01 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 365.1 | DW, WW, SW, GW, ML | 5/12/09 - ZE | 0.0056 | 0.05 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.25 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 9056 | WW, SW, GW, ML | | | 0.25 | 90 110 | 20 |
| Phosphorous- Total | EPA 365.1 | DW, WW, SW, GW | | | 0.01 | 90 110 | 20 |
| Phosph.- Total (Low Level) | EPA 365.1 | DW, WW, SW, GW, ML | | | 0.01 | 90 110 | 20 |
| Redox Potential | ASTM D1498 | WW, SW, GW, ML | | N/A | | N/A | 20 |
| Residue, Filterable (TDS) | EPA 160.1/SM2540C | DW, WW, GW, SW, ML | | | 10 | N/A | 20 |
| Residue, Non- Filterable (TSS) | EPA 160.2/SM2540D | DW, WW, GW, SW, ML | | | 1.0 | N/A | 20 |
| Residue, Total | SM 2540B | DW, WW, GW, SW, ML | | N/A | | N/A | 20 |
| Residue, Total | EPA 160.3 /SM2540B | DW, WW, GW, SW, ML | | | | N/A | 20 |
| Residue, Volatile | EPA 160.4 | DW, WW, GW, SW, ML | | N/A | | N/A | 20 |
| Residue Volatile | SM 2540E | DW, WW, GW, SW, ML | | N/A | | N/A | 20 |
| Salinity | SM 2520B | DW, WW, GW, SW, ML | | | | N/A | 20 |
| Specific gravity | SM 2710F | WW, GW, SW, ML | | N/A | | N/A | 20 |
| Sulfate | EPA 300.0 | DW, WW, GW, SW, ML | | | 0.5 | 90 110 | 20 |
| Sulfate | EPA 9056 | WW, GW, SW, ML | | | 0.5 | 90 110 | 20 |
| Sulfide | EPA 376.1 | WW, GW, SW, ML | | | 1.0 | 70- 130 | 20 |
| Sulfide, Reactive | SW846 Ch. 7 | WW, GW, SW, ML | | | | N/A | 20 |
| Temperature | EPA 170.1 | DW, WW, GW, SW, ML | | N/A | | N/A | 20 |
| Total Nitrogen | CALC | DW, WW, GW, SW, ML | | N/A | | N/A | N/A |
| Total Nitrogen Kjeldahl | EPA 351.2 | WW, GW, SW, ML | | | | 90 110 | 20 |
| Total Organic Carbon | EPA 415.1/SM5310B | DW, WW, GW, SW, ML | | | 1.0 | 75- 120 | 20 |
| Total Organic Carbon | EPA 9060 | WW, GW, SW, ML | | | 1.0 | 75- 120 | 20 |
| TRPH | EPA 1664 | WW, GW | | | | 64 132 | 34 |
| Turbidity | EPA 180.1/SM2130B | DW, WW, GW, SW, ML | | | 0.1 | N/A | 20 |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hex. Chromium | EPA 7195 | WW, GW, SW, ML | | | | 85 115 | 20 |
| Hex. Chromium | EPA 7196A | WW, GW, SW, ML | | | | 85 115 | 20 |
| Ignitability | EPA 1010F | WW, GW, SW, ML | | | | N/A | 20 |
| MBAS | EPA 425.1 | WW, GW, SW, ML | | | 0.2 | 80 120 | 20 |
| MBAS | SM5540 | WW, GW, SW, ML | | | 0.2 | 80 120 | 20 |
| Nitrate (N) | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Nitrate (N) | EPA 353.2 | DW, WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Nitrate (N) | EPA 9056 | WW, SW, GW, ML | | | 0.05 | 90 110 | 20 |
| Nitrate-Nitrite (N) | EPA 353.2 | DW, WW, SW, GW, ML | 5/28/2009 - ZE | 0.0077 | 0.1 | 90 110 | 20 |
| Nitrate-Nitrite (N) | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.1 | 90 110 | 20 |
| Nitrate-Nitrite (N) | EPA 9056 | DW, WW, SW, GW, ML | | | 0.1 | 90 110 | 20 |

**Low Level

* EPA Limits 90-110

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| Compound | Method | Matrix | Date generated | MDL mg/L | RDL mg/L | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|---|
| Acidity(CaCO3) | EPA 305.1 | WW, GW, SW, ML | | | | 70- 130 | 20 |
| Alkalinity(CaCO3) | EPA 310.1/SM2320B | DW,WW, GW, SW, ML | | | 5.0 | 90 110 | 20 |
| Alkalinity, Bicarbonate | SM 4500CO2D | DW,WW, GW, SW, ML | | | 5.0 | N/A | N/A |
| Alkalinity, Carbonate | SM 4500CO2D | DW,WW, GW, SW, ML | | | 5.0 | N/A | N/A |
| Ammonia(N) | EPA 350.1 | DW, WW, SW, GW, ML | 2/3/2009 | 0.0211 | 0.05 | 90 110 | 20 |
| un-ionized Ammonia | DEP SOP 10-3-83 | DW, WW, SW, GW, ML | | | 0.05 | N/A | N/A |
| BOD | EPA 405.1 | DW, WW, SW, GW, ML | | | 1.0 | 85- 115 | 20 |
| BOD | SM 5210B | DW, WW, SW, GW, ML | | | 1.0 | 85- 115 | 20 |
| Bromide | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.5 | 90 110 | 20 |
| Bromide | EPA 9056 | DW, WW, SW, GW, ML | | | 0.5 | 90 110 | 20 |
| CBOD | SM5210B | DW, WW, SW, GW, ML | | | 2.0 | 85- 115 | 20 |
| Chloride | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.5 | 90 110 | 20 |
| Chloride | EPA 325.2 SM4500CL-E | WW, GW, SW, ML | 5/12/09 -ZE | 0.5314 | 1.0 | 90 110 | 20 |
| Chloride | EPA 9056 | DW, WW, SW, GW, ML | | | 0.50 | 90 110 | 20 |
| Chloride | EPA 9251 | WW, GW, SW, ML | | | 0.05 | 90 110 | 20 |
| Chlorine, Free | EPA 330.5 | DW, WW, SW, GW, ML | | | | 70- 130 | 20 |
| Chlorine, Residual | EPA 330.5 | DW, WW, SW, GW, ML | | | | 70- 130 | 20 |
| Chlorophyll | SM10200H | WW, GW, SW, ML | | | | N/A | 20 |
| COD | EPA 410.4 | WW, GW, SW, ML | | | 10 | 90 110 | 20 |
| COD | HACH 8000 | WW, GW, SW, ML | | | 10 | 90 110 | 20 |
| Color | EPA 110.2 | DW, WW, SW, GW, ML | | | | N/A | 20 |
| Color | SM2120 | DW, WW, SW, GW, ML | | | | N/A | 20 |
| Conductance | EPA 120.1 | DW, WW, SW, GW, ML | | | | 90 110 | 20 |
| Conductance | SM2510B | DW, WW, SW, GW, ML | | | | 90 110 | 20 |
| Corrosivity | SM2330B | WW, GW, SW, ML | | | | N/A | N/A |
| Cyanide | EPA 335.3 | WW, GW, SW, ML | | | 0.01 | 90 110 | 20 |
| Cyanide | EPA 335.4 | DW | | | 0.01 | 90 110 | 20 |
| Cyanide Ammen. | EPA 335.1 | WW, GW, SW, ML | | | 0.01 | 90 110 | 20 |
| Cyanide | EPA 9012 | WW, GW, SW, ML | | | 0.01 | 90 110 | 20 |
| Cyanide Ammen. | EPA 9012 | WW, GW, SW, ML | | | 0.01 | 90 110 | 20 |
| Cyanide, Reactive | SW846 Ch. 7 | WW, GW, SW, ML | | | 0.01 | N/A | 20 |
| Density | SM 2710F | WW, GW, SW, ML | | | | N/A | 20 |
| DO (Probe) | EPA 360.1 | WW, GW, SW, ML | | | | N/A | 20 |
| DO (Winkler) | EPA 360.2 | WW, GW, SW, ML | | | | N/A | 20 |
| EOX | EPA 9023 | WW, GW, SW, ML | | | | 61- 119 | 21 |
| Ferrous Fe | SM3500FeD | WW, GW, SW, ML | | | | N/A | 20 |
| Fluoride | EPA 300.0 | DW, WW, SW, GW, ML | | | 0.2 | 90 110 | 20 |
| Fluoride | EPA 9056 | DW, WW, SW, GW, ML | | | 0.2 | 90 110 | 20 |

| | | | |
|---|---|---|---|
| Paint Filter Liquid Test | EPA 9095 | S, SED, SL, W | |
| pH | EPA 9045 | S, SED, SL, W | |
| Phenolics | EPA 9066 | S, SED, SL, W | |
| Phosphorous, Ortho | EPA 365.1 | S, SED, SL, W | 5/14. |
| Phosphorous, Ortho | EPA 300.0 | S, SED, SL, W | |
| Phosphorous, Ortho | EPA 9056 | S, SED, SL, W | |
| Phosphorous, Total | EPA 365.1 | S, SED, SL, W | |
| Residue, Total | SM 2540G | S, SED, SL, W | |
| Residue, Volatile, Fixed | SM 2540G | S, SED, SL, W | |
| Sulfate | EPA 300.0 | S, SED, SL, W | |
| Sulfate | EPA 9056 | S, SED, SL, W | |
| Sulfide, Reactive | SW846 Ch. 7 | S, SED, SL, W | |
| Total Nitrogen | CALC | S, SED, SL, W | |
| Total Nitrogen Kjeldahl | EPA 351.2 | S, SED, SL, W | |
| TRPH | EPA 9073 | S, SED, SL, W | |
| Water, % | Karl Fisher | SL, W | |
| Water, % | Centrifuse | SL, W | |

| | | | | |
|---|---|---|---|---|
| | N/A | | N/A | 30 |
| | N/A | | N/A | 30 |
| | | 0.30 | 50- 146 | 37 |
| E | 0.057 | 1.0 | 90- 110 | 30 |
| | | | 90- 110 | 30 |
| | | | 70- 130 | 30 |
| | | | 90- 110 | 30 |
| | | 10.0 | N/A | 20 |
| | | 10.0 | N/A | 20 |
| | | | 60- 148* | 30 |
| | | | 60- 148 | 30 |
| | N/A | | N/A | 30 |
| | | | N/A | 30 |
| | | | 12- 190* | 30 |
| | | | 70- 130 | 25 |
| | N/A | | N/A | 25 |
| | N/A | | N/A | 25 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Paint Filter Liquid Test | EPA 9095 | S, SED, SL, W | N/A | | N/A | 30 |
| pH | EPA 9045 | S, SED, SL, W | N/A | | N/A | 30 |
| Phenolics | EPA 9066 | S, SED, SL, W | 0.1324 | 0.30 | 50- 146 | 37 |
| Phosphorous, Ortho | EPA 365.1 | S, SED, SL, W | 0.053 | 1.0 | 90- 110 | 30 |
| Phosphorous, Ortho | EPA 300.0 | S, SED, SL, W | 0.452 | | 90- 110 | 30 |
| Phosphorous, Ortho | EPA 9056 | S, SED, SL, W | 0.452 | | 70- 130 | 30 |
| Phosphorous, Total | EPA 365.1 | S, SED, SL, W | 0.1194 | | 90- 110 | 30 |
| Residue, Total | SM 2540G | S, SED, SL, W | 10 | 10.0 | N/A | 20 |
| Residue, Volatile, Fixed | SM 2540G | S, SED, SL, W | 10 | 10.0 | N/A | 20 |
| Sulfate | EPA 300.0 | S, SED, SL, W | 0.755 | | 60- 148* | 30 |
| Sulfate | EPA 9056 | S, SED, SL, W | 0.755 | | 60- 148 | 30 |
| Sulfide, Reactive | SW846 Ch. 7 | S, SED, SL, W | N/A | | N/A | 30 |
| Total Nitrogen | CALC | S, SED, SL, W | 6.61 | | N/A | 30 |
| Total Nitrogen Kjeldahl | EPA 351.2 | S, SED, SL, W | 5.7 | | 12- 190* | 30 |
| TRPH | EPA 9073 | S, SED, SL, W | 9.2 | | 70- 130 | 25 |
| Water, % | Karl Fisher | SL, W | N/A | | N/A | 25 |
| Water, % | Centrifuse | SL, W | N/A | | N/A | 25 |

Date:03/13/07

| Compound | Method | Matrix | MDL COL/100ML | RDL COL/100ML | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|
| Fecal Coliform | SM 9221E | DW | 1 | 1 | N/A | 20 |
| Heterotrophic plate count | SM 9215B | DW | 1 | 1 | N/A | 20 |
| Heterotrophic plate count | SimPlate | DW | 2 | 2 | N/A | 20 |
| Total Coliforms | SM 9222B | DW | 1 | 1 | 1 | 20 |
| Total Coliforms & E. coli | SM 9223B | DW | 1 | 1 | N/A | 20 |
| Total Coliforms & E. coli | Readycult | DW | 1 | 1 | N/A | 20 |
| Fecal Coliforms | SM 9221E | WW, SW, ML, W | 2 | 2 | N/A | 20 |
| Fecal Coliforms | SM 9222D | WW, SW, ML, W | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9221B | WW, SW, ML, W | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9222B | WW, SW, ML, W | 1 | 1 | N/A | 20 |
| Total Coliforms | SM 9221B | S, SED, SL, W | 2 (MPN/gr) | 2 (MPN/gr) | N/A | 20 |
| Fecal Coliforms | SM 9221E | S, SED, SL, W | 2 (MPN/gr) | 2 (MPN/gr) | N/A | 20 |

| Compound | Method | Matrix | MDL (mg/kg) | RDL (mg/kg) | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|
| Ammonia (N) | EPA 350.1 | S, SED, SL, W | 0.108 | 0.5 | 84- 134 | 30 |
| Bromide | EPA 300.0 | S, SED, SL, W | 0.5224 | | 90- 110 | 30 |
| Bromide | EPA 9056 | S, SED, SL, W | 0.5224 | | 70- 130 | 30 |
| Chloride | EPA 300.0 | S, SED, SL, W | 0.6635 | | 59- 130* | 30 |
| Chloride | 325.2/9251 | S, SED, SL, W | 1.48 | 10.0 | 70- 130 | 30 |
| Chloride | EPA 9056 | S, SED, SL, W | 0.6635 | | 59- 130 | 30 |
| Cyanide | EPA 9012 | S, SED, SL, W | 0.040 | 0.50 | 77- 124 | 30 |
| Cyanide, Reactive | SW846 Ch.7 | S, SED, SL, W | N/A | | N/A | 30 |
| EOX | EPA 9023 | S, SED, SL, W | 14 | | 57- 129 | 30 |
| Fluoride | EPA 300.0 | S, SED, SL, W | 0.30 | | 59- 122* | 30 |
| Fluoride | EPA 9056 | S, SED, SL, W | 0.30 | | 59- 122 | 30 |
| Ignitability | EPA 1010 | S, SED, SL, W | N/A | | N/A | 30 |
| Nitrate- Nitritre | EPA 353.2 | S, SED, SL, W | 0.0170 | 0.050 | 65- 130* | 30 |
| Nitrate- Nitritre | EPA 300.0 | S, SED, SL, W | 0.1269 | | 60- 129* | 30 |
| Nitrate, (N) | EPA 300.0 | S, SED, SL, W | 0.0736 | | 88- 122* | 30 |
| Nitrate, (N) | EPA 353.2 | S, SED, SL, W | 0.10 | | 90- 110 | 30 |
| Nitrate, (N) | EPA 9056 | S, SED, SL, W | 0.0736 | | 88- 122 | 30 |
| Nitrite, (N) | EPA 300.0 | S, SED, SL, W | 0.0533 | | 79- 112* | 30 |
| Nitrite, (N) | EPA 353.2 | S, SED, SL, W | 0.254 | 0.5 | 90- 110 | 30 |
| Nitrite, (N) | EPA 9056 | S, SED, SL, W | 0.0533 | | 79- 112 | 30 |
| Oil and Grease | EPA 9071 | S, SED, SL, W | 30 | | 46- 118 | 30 |
| Organic Nitrogen | CALC | S, SED, SL, W | 6.4 | | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Volatile Acids | SM5560C | WW, GW, SW, ML | N/A | N/A | 20 |
| Water, % | Karl Fisher | WW, GW, SW, ML | N/A | N/A | 20 |
| Water, % | Centrifuge | SL, W | N/A | N/A | 25 |

* EPA Limits 90-110

updated 12/07/07 and 01/08/08 04/06/08 and 06/12/08

BLUE= only analytes updted in the above two dates

| Compound | Method | Matrix | MDL mg/L | RDL mg/L | Control Limits % Recovery LCL- UCL | % RPD |
|---|---|---|---|---|---|---|
| Nitrite (N) | EPA 9056 | DW, WW, SW, GW, ML | 0.0053 | 0.05 | 90 110 | 20 |
| Nitrite (N) | EPA 300.0 | WW, SW, GW, ML | 0.0053 | 0.05 | 90 110 | 20 |
| Nitrite (N) | EPA 353.2 | DW | 0.0254 | 0.05 | 90 110 | 20 |
| Nitrite (N) | SM4500 NO2B | WW, SW, GW, ML | 0.0254 | 0.05 | 90 110 | 20 |
| Odor | SM2150B/ 140.1 | DW, WW, SW, GW, ML | 1 TON | 1 TON | N/A | 20 |
| Oil and Grease | EPA 1664 | WW, GW, SW, ML | 1.8 | | 78- 114 | 18 |
| Oil and Grease | EPA 9071 | WW, GW, SW, ML | 17 | | 66- 115 | 20 |
| Organic Nitrogen | EPA 351.2-350.1 | WW, GW, SW, ML | 0.22 | | N/A | N/A |
| Paint Filter Liquid Test | EPA 9095 | WW, GW, SW, ML | 1.0 | | N/A | 20 |
| pH | EPA 150.1 /SM4500 HB | DW, WW, SW, GW, ML | 0.1pHUN | | N/A | 20 |
| pH | EPA 9040 | WW, SW, GW, ML | 0.1pHUN | | N/A | 20 |
| Phenolics | EPA 420.2 | DW, WW, SW, GW, ML | 0.0067 | 0.01 | 90 110 | 20 |
| Phenolics | EPA 9066 | WW, GW, SW, ML | 0.0067 | 0.01 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 365.1 | DW, WW, SW, GW, ML | 0.0053 | 0.05 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 300.0 | DW, WW, SW, GW, ML | 0.0452 | 0.25 | 90 110 | 20 |
| Phosphorous-Ortho(P) | EPA 9056 | WW, SW, GW, ML | 0.0452 | 0.25 | 90 110 | 20 |
| Phosphorous- Total | EPA 365.1 | DW, WW, SW, GW | 0.0050 | 0.01 | 90 110 | 20 |
| Phosph.- Total (Low Level) | EPA 365.1 | DW, WW, SW, GW, ML | 0.0012 | 0.01 | 90 110 | 20 |
| Redox Potential | ASTM D1498 | WW, SW, GW, ML | N/A | | N/A | 20 |
| Residue, Filterable (TDS) | EPA 160.1/SM2540C | DW, WW, GW, SW, ML | 7.0 | 10 | N/A | 20 |
| Residue, Non- Filterable (TSS) | EPA 160.2/SM2540D | DW, WW, GW, SW, ML | 2.0 | 1.0 | N/A | 20 |
| Residue, Total | SM 2540B | DW, WW, GW, SW, ML | N/A | | N/A | 20 |
| Residue, Total | EPA 160.3 /SM2540B | DW, WW, GW, SW, ML | 2 | | N/A | 20 |
| Residue, Volatile | EPA 160.4 | DW, WW, GW, SW, ML | N/A | | N/A | 20 |
| Residue Volatile | SM 2540E | DW, WW, GW, SW, ML | N/A | | N/A | 20 |
| Salinity | SM 2520B | DW, WW, GW, SW, ML | 0.1 | | N/A | 20 |
| Specific gravity | SM 2710F | WW, GW, SW, ML | N/A | | N/A | 20 |
| Sulfate | EPA 300.0 | DW, WW, GW, SW, ML | 0.0755 | 0.5 | 90 110 | 20 |
| Sulfate | EPA 9056 | WW, GW, SW, ML | 0.0755 | 0.5 | 90 110 | 20 |
| Sulfide | EPA 376.1 | WW, GW, SW, ML | 0.80 | 1.0 | 70- 130 | 20 |
| Sulfide, Reactive | SW846 Ch. 7 | WW, GW, SW, ML | 10 | | N/A | 20 |
| Temperature | EPA 170.1 | DW, WW, GW, SW, ML | N/A | | N/A | 20 |
| Total Nitrogen | CALC | DW, WW, GW, SW, ML | N/A | | N/A | N/A |
| Total Nitrogen Kjeldahl | EPA 351.2 | WW, GW, SW, ML | 0.2197 | | 90 110 | 20 |
| Total Organic Carbon | EPA 415.1/SM5310B | DW, WW, GW, SW, ML | 0.599 | 1.0 | 75- 120 | 20 |
| Total Organic Carbon | EPA 9060 | WW, GW, SW, ML | 0.75 | 1.0 | 75- 120 | 20 |
| TRPH | EPA 1664 | WW, GW | 1.5 | | 64 132 | 34 |
| Turbidity | EPA 180.1/SM2130B | DW, WW, GW, SW, ML | 0.054 | 0.1 | N/A | 20 |