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Document Title: Comments Dataset
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This document has been read and approved by:


James Broderick

4/25/01
Date


David Lipsky

4/26/01
Date

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM
WESTCHESTER COUNTY LABORATORIES AND RESEARCH2 Dana Road, Valhalla, New York 10595
(914) 593-5575NYS-ELAP No. 10108
Form A-70 (rev.1/96)

Name/Date Set:

Sample Type (circle one):

1. Potable

3. Non Potable Treated

2. Non Potable

4. Other

Time/Date Collected:

825 10-29-01

Collected By:

DS

Agency Code:

Collected From:

Location's/Individual's Name

KINC DEP

Street

19 WEST LAKE DRIVE

City/St/Zip

Valhalla, NY 10595

Identification of Source

Collection Point

CRO GH Cat Luff

Bottle #s:

C 04410, K 8531, 8532, 6721

Chain of Custody?

yes no

Comments:

PWS #:

Source ID:

Type Descriptor:

Bill to:

Name/Company

Street

City/St/Zip

Phone#:

Fax#:

CA,CH, BI?

Check#:

Amount\$

BACTERIOLOGICAL ANALYSIS

Lab#:

(circle tests)

1. Heterotrophic Plate

Count (hemodialysis & all others)

2. Coliform P/A (public supplies)

3. Coliform MPN (priv well, raw, stp)

4. Fecal Coliform (all samples)

5. Microscopic

Macroscopic

6. PI

7. Other:

Refrigerated? yes no

Chlorinated? yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

ORGANIC POTABLE ANALYSIS

Lab#:

(circle tests)

1. Trihalomethanes (524)

2. Volatile Halocarbons (524)

3. Volatile Aromatics (524)

4. Total Trihalomethane Potential (510)

5. Microextractables (504)

6. Pesticides (507)

7. Pesticides/PCB screen (508)

8. PCB as Decachlorobiphenyl (508A)

9. Herbicides (515)

10. Pesticides (525)

11. Carbamate Pesticides (531)

12. Glyphosate (547)

13. Diquat (549)

14. Chlorination Disinfection Byproducts (551)

15. Haloacetic Acids (552)

16. Pesticides (SM18/6630)

17. Petroleum/Hydrocarbon Scan (310-13)

18. Other:

ORGANIC NONPOTABLE/SOLID ANALYSIS

1. Purgeable Halocarbons (624/8260)

2. Purgeable Aromatics (624/8260)

3. Acrolein & Acrylonitrile (624)

4. Phthalates (625/8270)

5. Organochlorine Pesticides (608/8081)

6. PCB's (Arochlors) (608/8081)

7. Methoprene (616)

8. Herbicides (EPA1978/8151)

9. Pesticides (SM18/6630)

10. Petroleum Hydrocarbon Scan (310-13)

11. Glycols

12. Acid Extractables (625/8270)

13. Base Neutral Extractables (625/8270)

14. GC/MS Semivolatile Unknown Scan

15. Purgeable Halocarbons (DEF)

16. Purgeable Aromatics (DEF)

17. Pesticides/PCB's (DEF)

18. Other:

INORGANIC ANALYSIS REQUESTED - Lab#:

(circle tests)

1. Color

2. Turbidity

3. pH

4. Conductivity

5. Corrosivity (temp: °C)

6. BOD (5 day)

7. Soluble BOD (5 day)

8. Carbonaceous BOD (5 day)

9. Chemical Oxygen Demand

10. Dissolved Oxygen

11. Total Organic Carbon

12. Total Organic Halides

13. Solids, Percent (%)

14. Solids, Settleable

15. Solids, Suspended

16. Solids, Total

17. Solids, Total Dissolved

18. Solids, Total Volatile

19. Other: Sn, T, 26476

20. Acidity

21. Alkalinity, as CaCO₃

22. Bromide

23. Bromate/Chlorate/Chlorite

24. Chloride

25. Cyanide

26. Fluoride

27. Hardness, Total as CaCO₃

28. Nitrogen, Ammonia as N

29. Nitrogen, Nitrate as N

30. Nitrogen, Nitrite as N

31. Nitrogen, Total Kjeldahl as N

32. Oil and Grease

33. Phenol

34. Phosphorus Total as P

35. Phosphorus, Ortho as P

36. Sulfates

37. Surfactants

38. UV254

39. Aluminum

40. Antimony

41. Arsenic

42. Barium

43. Beryllium

44. Boron

45. Cadmium

46. Calcium, as CaCO₃47. Calcium, Ca⁺²

48. Chromium, Total

49. Chromium, Hexavalent

50. Cobalt

51. Copper

52. Iron

53. Lead

54. Magnesium

55. Manganese

56. Mercury

57. Molybdenum

58. Nickel

59. Potassium

60. Selenium

61. Silver

62. Sodium

63. Thallium

64. Vanadium

65. Zinc

CLP

66. Metals/CN

67. Volatiles

68. Semi-Volatiles

69. Pesticides/PCB's

70. Disk Deliverables

TCLP

71. TCLP-Metals

72. TCLP-Pesticides

73. TCLP-Herbicides

74. TCLP-Volatiles

75. TCLP-BNAs

Document Title: Pathogen Laboratory Quality Assurance Plan

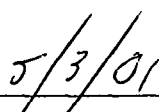
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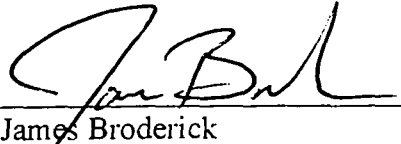
Revision No.: 2

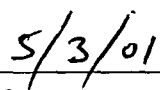
Revision Date: 5/3/01

This document has been read and approved by:


Kerri Alderisio


Date


James Broderick


Date

long-term trend more than on specific test events. No one analyst should always be lower or higher than the group. If so, a review of procedures is to be performed.

10.3.3 Round Robin testing

10.3.3.1 A round robin test is the preparation of one analysis, yielding one resulting plate, which is read by all analysts at a location.

10.3.3.2 Round robin testing is required monthly for coliform (total coliform sheen and non-sheen and fecal coliform blue and non-blue), HPC, fecal streptococcus and phytoplankton (using one microscope field).

10.3.3.3 Record the date, analysts, sample used, analyst counts, and Supervisor comments.

10.3.3.4 The intent of this test is to provide training of the analysts. Plates selected are intended to be challenging. Therefore, the record of the results are not to be used to describe method precision.

11 Preparation and Usage of Quality Control Charts

11.1 Refer to ELAP Manual, item no. 261 for instructions on constructing a control chart and computing limits.

11.2 The DWQC Upstate Laboratories use raw value, percent recovery, or for the case of solids, regressed predicted raw values in the creation of control charts and control limits.

11.3 A new control chart with freshly computed control limits is to be started annually.

11.3.1 The last twenty quality control data points for the previous period should be used to compute the new control limits.

11.3.2 If twenty points are not available, data from a larger period of time may be used, assuming that there have been no method changes during that time.

11.3.3 If twenty points are still not available, default limits of 80-120% for references and matrix spikes and +/- 20% for duplicates may be used. Note that the reference method may state default limits that supercede these.

11.4 The Grubbs outlier test (see J.K. Taylor's Quality Assurance of Chemical Measurements, p. 35), the Rule of Huge Error, or another published outlier test, is used to verify that the QC data is free of outliers. See section 12.

11.5 All data is to be included in the calculation of new limits (including out of control data) unless the following applies.

11.5.1 There is a definite technical reason for the point to be removed or,

11.5.2 An outlier test finds that the point is acceptable to remove.

11.6 Control charts are to be updated and reviewed before release of data.

11.7 Trending should be evaluated each time new data is entered onto the chart. The rule of sevens is to be used as a guide:



Westchester County

ENVIRONMENTAL SERVICES SAMPLE SUBMISSION FORM

WESTCHESTER COUNTY LABORATORIES AND RESEARCH

2 Dana Road, Valhalla, New York 10595

(914) 593-5575



NYS-ELAP No. 10108

Form A-70 (rev. 1/96)

Time/Date Set:

CRO GH

Sample Type (circle one):

1. Potable 3. Non-Potable Treated
2. Non-Potable 4. Other

Time/Date Collected: 10/10 10-29-01

Collected By: Agency Code:

Collected From:

Location's/Individual's Name NYC DEP

Street 19 WEST LAKE DRIVE

City/ST/Zip Valhalla, NY 10595

Identification of Source

Collection Point CRO GH

QFB, 232 0036, PFB 2065, 2048, 2046

Bottle #'s: C 0416, K0365, 7152, 10996, 71065,

Chain of Custody? yes no

Comments:

PWS #: Source ID: Type Descriptor:

Bill to:

Name/Company

Street

City/ST/Zip

Phone#: Fax #:

CA, CH, BI? Check#: Amount\$

BACTERIOLOGICAL ANALYSES

Lab #:

(circle tests)

- Heterotrophic Plate Count (hemodialysis & all others)
- Coliform P/A (public supplies)
- Coliform MPN (priv well, raw, stp)
- Fecal Coliform (all samples)
- Microscopic
- Macroscopic
- API
- Other

Refrigerated? yes no

Chlorinated? yes no

Free Chlorine Res: mg/L

Total Chlorine Res: mg/L

pH

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7. Pesticides/PCB screen (508)
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9. Herbicides (515)
10. Pesticides (525)
11. Carbamate Pesticides (531)
12. Glyphosate (547)
13. Diquat (549)
14. Chlorination Disinfection Byproducts (551)
15. Haloacetic Acids (552)
16. Other Pesticides (SM-18/6630)
17. Petroleum/Hydrocarbon Scan (310-13)

ORGANIC NONPOTABLE/SOLID ANALYSES

- Purgeable Halocarbons (624/8260)
- Purgeable Aromatics (624/8260)
- Acrolein & Acrylonitrile (624)
- Phthalates (606/8060)
- Organochlorine Pesticides (608/8080)
- PCB's (Arochlors) (608/8080)
- Herbicides (SM-18/6640; 8151)
- Other Pesticides (SM-18/6630)
- Petroleum Hydrocarbon Scan (310-13)
- Glycols in Water
- Acid Extractables (625/8270)
- Base Neutral Extractables (625/8270)
13. GC/MS Unknown Scan
- Purgeable Halocarbons (DEF)
- Purgeable Aromatics (DEF)
- Pesticides (DEF)
17. PCB's (Arochlors) (DEF)

INORGANIC ANALYSES REQUESTED - Lab#:

(circle tests)

- | | | |
|-----------------------------|--|-----------------------------------|
| 1. Color | 20. Acidity | 39. Aluminum |
| 2. Turbidity | 21. Alkalinity, as CaCO ₃ | 40. Antimony |
| 3. pH | 22. Bromide | 41. Arsenic |
| 4. Conductivity | 23. Bromate/Chlorate/Chlorite | 42. Barium |
| 5. Corrosivity (temp: °C) | 24. Chloride | 43. Beryllium |
| 6. BOD (5 day) | 25. Cyanide | 44. Boron |
| 7. Soluble BOD (5 day) | 26. Fluoride | 45. Cadmium |
| 8. Carbonaceous BOD (5 day) | 27. Hardness, Total as CaCO ₃ | 46. Calcium, as CaCO ₃ |
| 9. Chemical Oxygen Demand | 28. Nitrogen, Ammonia as N | 47. Calcium, Ca ²⁺ |
| 10. Dissolved Oxygen | 29. Nitrogen, Nitrate as N | 48. Chromium, Total |
| 11. Total Organic Carbon | 30. Nitrogen, Nitrite as N | 49. Chromium, Hexavalent |
| 12. Total Organic Halides | 31. Nitrogen, Total Kjeldahl as N | 50. Cobalt |
| 13. Solids, Percent (%) | 32. Oil and Grease | 51. Copper |
| 14. Solids, Settleable | 33. Phenol | 52. Iron |
| 15. Solids, Suspended | 34. Phosphorus, Total as P | 53. Lead |
| 16. Solids, Total | 35. Phosphorus, Ortho as P | 54. Magnesium |
| 17. Solids, Total Dissolved | 36. Sulfates | 55. Manganese |
| 18. Solids, Total Volatile | 37. Surfactants | 56. Mercury |
| 19. Other: SW T | 38. UV254 | 57. Molybdenum |
| | | 58. Nickel |

59. Potassium
60. Selenium
61. Silver
62. Sodium
63. Thallium
64. Vanadium
65. Zinc

CLP

66. Metals/CN
67. Volatiles
68. Semi-volatiles
69. Pesticides/PCB's
70. Disk Deliverables

TCLP

71. TCLP-Metals
72. TCLP-Pesticides
73. TCLP-Herbicides
74. TCLP-Volatiles
75. TCLP-BNA's

1 Title: Comments Dataset

2 Scope

- 2.1 This document describes the appropriate reasons for entry of comments to the comments dataset. There are other ways to comment data in the datasets, including the MAD book (QUAL0030) and the methods dataset (QUAL0040).
- 2.2 This document also describes the procedures to be followed to enter a comment, either using the attached form, or using a networked file.

3 Purpose

- 3.1 Utilization of the Comments dataset began in approximately August, 1996. The intended purposes of the comments dataset are:
 - 3.1.1 To record the usage of laboratories other than the DWQC laboratory in the district of the sample collected, including the usage of contract laboratories.
 - 3.1.2 To comment on the quality of specific data points, including but not limited to, out of control duplicate samples, out of control spike samples, and high blank results.
 - 3.1.3 To highlight the usage of an uncertified method. The usage of uncertified methods is also indicated in the Methods dataset.
 - 3.1.4 To record sample data that has been found to be a probable outlier.

4 Responsibilities

- 4.1 Analytical staff
 - 4.1.1 Analytical staff members are responsible for identifying samples that require comment.
 - 4.1.2 Analytical staff members are to prepare the comment forms and submit them to Supervisory staff for approval.
- 4.2 Supervisory staff
 - 4.2.1 Supervisory staff members are to review and approve comments submitted by Analytical staff.
 - 4.2.2 Supervisory staff members are to identify sample results requiring comment during the data review process. For these data, Supervisory staff members are to write the comment.
 - 4.2.3 Supervisors are responsible for making certain the Data Coordinator receives all comments.
- 4.3 QA staff
 - 4.3.1 QA staff members are to review the comments on a periodic basis.