

10/20/99

**DATA PACKAGE FOR
VOLATILE ORGANICS**

PART I

**PROJECT NAME: ALMY
PROJECT # 2****CASE# SH 099
SDG# 1019****NYSDEC
ROOM 252
50 WOLF ROAD
ALBANY, NY 12233-7010
518-457-0747****CHEMTECH PROJECT NO.
ATTENTION****13861DEC
TM KOCH****PART I VOLATILE ORGANICS
PART II SEMIVOLATILE ORGANICS
PART III PESTICIDES
PART IV HERBICIDES
PART V TOTAL METALS**☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333☐ 205 Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

CASE NARRATIVE**New York State D.E.C.****Project Name: ALMY****Project # 2****Case # SH 099****SDG # 1019****Chemtech Project # 13861DEC****A. Number of Samples and Date of Receipt**

4 Aqueous Samples Plus A Trip Blank were delivered to the laboratory intact on 10/21/99.

B. Parameters

Tests requested were Volatile Organics, Semivolatile Organics, Pesticides, Herbicides & Total Metals. This data package contains results for Volatile Organics.

C. Analytical Techniques:

Samples were analyzed for Volatile Organics according 95-1 CLP Methodology. The analyses were performed on instrument VOA5, using GC column RTX624 which is 75 meters, 0.53mm ID, 3.0mm df (crossbond 6% cyanopropylphenyl-94%) dimethylpolysiloxane. The Purge Trap was supplied by Supelco, VO CARB 3000, Tekmar 3000.

D. QA/ QC Samples:

The Surrogate Recoveries for each sample are found in Form II-A. Initial Calibration of Single Component Analytes results are found on Form 6 D & E. The Matrix Spike and Matrix Spike Duplicate were analyzed and are reported on Form 3F.

System Monitoring Compound recoveries were acceptable. The MS/ MSD recoveries and RPDs met requirements. Holding Times were met. Tuning Checks met requirements. Internal Standard Areas and Retention Times were within QC limits. Calibrations met requirements. Blank analyses did not indicate the presence of contamination.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature Divya Mehta (Sign for PM)

Name: Divyajit Mehta

Date: 11/19/99

Title: Lab Manager

000001

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COVER PAGE

Lab Name: Chemtech Consulting Group
Lab Code: CHEM Project No.: 13861DEC

Client: NEW YORK STATE D. E. C.

Client Sample No.
SH099-1019-B007-01
SH099-1019-B007-03
SH099-1019-B007-02
SH099-1019-B007-04
SH099-1019-B007-TB

Lab Sample ID
88314
88315
88316
88317
88318

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designed, as verified by the following signature.

Signature: Divya (Sign For Pin) Name: DIVYAJIT MEHTA

Date : 10/19/99 Title: LAB DIRECTOR

000002

DATA REPORTING QUALIFIERS - ORGANIC

For reporting results, the following "Results Qualifiers" are used:

- VALUE -** If the result is a value greater than or equal to the detection limit, report the value.
- U -** Indicates the compound was analyzed for, but was not detected. Report the minimum detection limit for the sample with the U, ie "10 U". This is not necessarily the instrument detection limit. The figure represents the minimum detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
- J -** Indicates an estimated value. This flag is used:
- (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed).
 - (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit but greater than zero. If the detection limit was 10 ug/L and a concentration of 3 ug/L was calculated, report as "3 J".
- B -** Indicates the analyte was found in the blank as well as the sample; report as "12 B".
- E -** Indicates the analyte's concentration exceeds the calibrated range of the GC/MS instrument for that specific analysis.
- D -** This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- P -** This flag is used for a Pesticide/Aroclor target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- N -** This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.

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000003

CHEMTECH CONSULTING GROUP

VOLATILES

SAMPLE DATA

000012

CHEMTECH JOB NO.:

CHEMTECH QUOTE N

CHAIN OF CUSTODY RECORD

[illegible]



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- ☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

- | | | |
|---|--|---|
| ☐ 2. 13PP Metals | ☐ 3. Volatiles—(USEPA 624 GC/MS) | ☐ 6. Pesticides/PCBs (USEPA 608-GC) |
| ☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS) | ☐ 5. Cyanide | ☐ 9. BOD |
| ☐ 7. Halogenated Volatiles (USEPA 601 GC) | ☐ 8. Aromatic Volatiles USEPA 602 GC) | ☐ 12. TSS |
| ☐ 10. pH | ☐ 11. COD | ☐ 15. Ammonia |
| ☐ 13. Settleable Solids | ☐ 14. TKN | ☐ 18. Reactive Phosphorus |
| ☐ 16. Nitrate/Nitrite | ☐ 17. Total Phosphorus | ☐ 21. Total Phenols |
| ☐ 19. Oil/Grease) | ☐ 20. TOC | ☐ 60. PCBs congener method (ASP 91-11) |
| ☐ 22. Other _____ | ☐ 59. PCBs at 0.065 ug/l | ☐ 64. Total Solids |
| | ☐ 62. CBOD | ☐ 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| ☐ 23 (ALL)—Water—Includes 24-28 | ☐ 29. (ALL)—Soil/Sediments—Includes 30-34 |
| ☒ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | ☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| ☒ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | ☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| ☒ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | ☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| ☒ 27 Metals—23 in Water <i>also herbicides</i> | ☐ 33. Metals—23 in Soil/Sediments) |
| ☐ 28 Cyanide—Water | ☐ 34. Cyanide—Soil/Sediments) |
| ☐ 66 Dioxin—Water (ASP #91-7) | ☐ 67. Dioxin—Soil/Sediments (ASP #91-7) |
| ☐ 35 Other _____ | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| ☐ 36. EP Toxicity | ☐ 37. EP Toxicity (Metals Only) | ☐ 38. Ignitability |
| ☐ 39. Corrosivity | ☐ 40. VOA—(USEPA 8260 GC/MS) | ☐ 41. BNA—(USEPA 8270 GC/MS) |
| ☐ 42. Pesticides/PCBs (USEPA 8081) | ☐ 43. TCLP | ☐ 44. TCLP (Metals Only) |
| ☐ 45. Reactivity | ☐ 46. Dioxin (USEPA 8280) | ☐ 47. Appendix IX |
| ☐ 48. Other _____ | ☐ 63 Percent Solids | ☐ 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- ☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:

T.M. Koch

TELEPHONE NUMBER:

518-457-0747

REGION NO.:

87

CONTRACT LABORATORY:

Chautauck

COUNTY:

Broome

SAMPLING DATE:

10-19-99

MILITARY TIME:

11:00 AM

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.

5/10/99

SDG NO.

10119

SAMPLE NO.

00107011

CHECK FOR MS/MD

☐ This sample

TYPE OF SAMPLE

☒ Grab ☐ Composite ☐ Term _____ hours

- ☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

000140

Report via Category B, unless checked ☐Check if field duplicate ☐ Outfall NumberCheck if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | |



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- ☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS**PRIORITY POLLUTANTS (Water Part 136)—SPDES**

- | | | |
|---|--|---|
| ☐ 2. 13PP Metals | ☐ 3. Volatiles—(USEPA 624 GC/MS) | ☐ 6. Pesticides/PCBs (USEPA 608-GC) |
| ☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS) | ☐ 5. Cyanide | ☐ 9. BOD |
| ☐ 7. Halogenated Volatiles (USEPA 601 GC) | ☐ 8. Aromatic Volatiles USEPA 602 GC) | ☐ 12. TSS |
| ☐ 10. pH | ☐ 11. COD | ☐ 15. Ammonia |
| ☐ 13. Settleable Solids | ☐ 14. TKN | ☐ 18. Reactive Phosphorus |
| ☐ 16. Nitrate/Nitrite | ☐ 17. Total Phosphorus | ☐ 21. Total Phenols |
| ☐ 19. Oil/Grease) | ☐ 20. TOC | ☐ 60. PCBs congener method (ASP 91-11) |
| ☐ 22. Other _____ | ☐ 59. PCBs at 0.065 ug/l | ☐ 64. Total Solids |
| | ☐ 62. CBOD | ☐ 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| ☐ 23 (ALL)—Water—Includes 24-28 | ☐ 29. (ALL)—Soil/Sediments—Includes 30-34 |
| ☒ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | ☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| ☒ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | ☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| ☒ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | ☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| ☒ 27 Metals—23 in Water | ☐ 33. Metals—23 in Soil/Sediments) |
| ☐ 28 Cyanide—Water | ☐ 34. Cyanide—Soil/Sediments) |
| ☐ 66 Dioxin—Water (ASP #91-7) | ☐ 67. Dioxin—Soil/Sediments (ASP #91-7) |
| ☐ 35 Other _____ | |
- Also herbicides*

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| ☐ 36. EP Toxicity | ☐ 37. EP Toxicity (Metals Only) | ☐ 38. Ignitability |
| ☐ 39. Corrosivity | ☐ 40. VOA—(USEPA 8260 GC/MS) | ☐ 41. BNA—(USEPA 8270 GC/MS) |
| ☐ 42. Pesticides/PCBs (USEPA 8081) | ☐ 43. TCLP | ☐ 44. TCLP (Metals Only) |
| ☐ 45. Reactivity | ☐ 46. Dioxin (USEPA 8280) | ☐ 47. Appendix IX |
| ☐ 48. Other _____ | ☐ 63 Percent Solids | ☐ 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- ☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:*T.M. Korch***TELEPHONE NUMBER:***518-451-0141***REGION NO.:***1***CONTRACT LABORATORY:***Chemtech***COUNTY:***Picome***SAMPLING DATE:***10-19-99***MILITARY TIME:***11:20 AM***SAMPLE MATRIX:**

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.**SDG NO.****SAMPLE NO.****CHECK FOR MS/MD****TYPE OF SAMPLE***51101919**1101191**B101017103*☐ This sample☒ Grab ☐ Composite ☐ Term _____ hours

- ☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:*000141*Report via Category B, unless checked ☐Check if field duplicate ☐ Outfall NumberCheck if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | | |



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- ☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS**PRIORITY POLLUTANTS (Water Part 136)—SPDES**

- | | | |
|---|--|---|
| ☐ 2. 13PP Metals | ☐ 3. Volatiles—(USEPA 624 GC/MS) | ☐ 6. Pesticides/PCBs (USEPA 608-GC) |
| ☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS) | ☐ 5. Cyanide | ☐ 9. BOD |
| ☐ 7. Halogenated Volatiles (USEPA 601 GC) | ☐ 8. Aromatic Volatiles USEPA 602 GC) | ☐ 12. TSS |
| ☐ 10. pH | ☐ 11. COD | ☐ 15. Ammonia |
| ☐ 13. Settleable Solids | ☐ 14. TKN | ☐ 18. Reactive Phosphorus |
| ☐ 16. Nitrate/Nitrite | ☐ 17. Total Phosphorus | ☐ 21. Total Phenols |
| ☐ 19. Oil/Grease) | ☐ 20. TOC | ☐ 60. PCBs congener method (ASP 91-11) |
| ☐ 22. Other _____ | ☐ 59. PCBs at 0.065 ug/l | ☐ 64. Total Solids |
| | ☐ 62. CBOD | ☐ 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| ☐ 23 (ALL)—Water—Includes 24-28 | ☐ 29. (ALL)—Soil/Sediments—Includes 30-34 |
| ☒ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | ☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| ☒ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | ☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| ☒ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | ☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| ☒ 27 Metals—23 in Water | ☐ 33. Metals—23 in Soil/Sediments) |
| ☐ 28 Cyanide—Water | ☐ 34. Cyanide—Soil/Sediments) |
| ☐ 66 Dioxin-Water (ASP #91-7) | ☐ 67. Dioxin-Soil/Sediments (ASP #91-7) |
| ☐ 35 Other _____ | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| ☐ 36. EP Toxicity | ☐ 37. EP Toxicity (Metals Only) | ☐ 38. Ignitability |
| ☐ 39. Corrosivity | ☐ 40. VOA—(USEPA 8260 GC/MS) | ☐ 41. BNA—(USEPA 8270 GC/MS) |
| ☐ 42. Pesticides/PCBs (USEPA 8081) | ☐ 43. TCLP | ☐ 44. TCLP (Metals Only) |
| ☐ 45. Reactivity | ☐ 46. Dioxin (USEPA 8280) | ☐ 47. Appendix IX |
| ☐ 48. Other _____ | ☐ 63 Percent Solids | ☐ 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- ☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:

TM Koch

TELEPHONE NUMBER:

518-451-0147

REGION NO.:

7

CONTRACT LABORATORY:

Chemtech

COUNTY:

Broome

SAMPLING DATE:

10-19-99

MILITARY TIME:

11:07 AM

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.

511101919

SDG NO.

110119

SAMPLE NO.

B10101102

CHECK FOR MS/MD

- ☐ This sample

TYPE OF SAMPLE

- ☒ Grab ☐ Composite ☐ Term _____ hours

- ☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

000142

Report via Category B, unless checked ☐Check if field duplicate ☐ Outfall NumberCheck if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | |



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

- ☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS**PRIORITY POLLUTANTS (Water Part 136)—SPDES**

- | | | |
|---|--|---|
| ☐ 2. 13PP Metals | ☐ 3. Volatiles—(USEPA 624 GC/MS) | ☐ 6. Pesticides/PCBs (USEPA 608-GC) |
| ☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS) | ☐ 5. Cyanide | ☐ 9. BOD |
| ☐ 7. Halogenated Volatiles (USEPA 601 GC) | ☐ 8. Aromatic Volatiles USEPA 602 GC) | ☐ 12. TSS |
| ☐ 10. pH | ☐ 11. COD | ☐ 15. Ammonia |
| ☐ 13. Settleable Solids | ☐ 14. TKN | ☐ 18. Reactive Phosphorus |
| ☐ 16. Nitrate/Nitrite | ☐ 17. Total Phosphorus | ☐ 21. Total Phenols |
| ☐ 19. Oil/Grease) | ☐ 20. TOC | ☐ 60. PCBs congener method (ASP 91-11) |
| ☐ 22. Other _____ | ☐ 59. PCBs at 0.065 ug/l | ☐ 64. Total Solids |
| | ☐ 62. CBOD | ☐ 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| ☐ 23 (ALL)—Water—Includes 24-28 | ☐ 29. (ALL)—Soil/Sediments—Includes 30-34 |
| ☒ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | ☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| ☒ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | ☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| ☒ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | ☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| ☒ 27 Metals—23 in Water | ☐ 33. Metals—23 in Soil/Sediments) |
| ☐ 28 Cyanide—Water | ☐ 34. Cyanide—Soil/Sediments) |
| ☐ 66 Dioxin-Water (ASP #91-7) | ☐ 67. Dioxin-Soil/Sediments (ASP #91-7) |
| ☐ 35 Other _____ | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| ☐ 36. EP Toxicity | ☐ 37. EP Toxicity (Metals Only) | ☐ 38. Ignitability |
| ☐ 39. Corrosivity | ☐ 40. VOA—(USEPA 8260 GC/MS) | ☐ 41. BNA—(USEPA 8270 GC/MS) |
| ☐ 42. Pesticides/PCBs (USEPA 8081) | ☐ 43. TCLP | ☐ 44. TCLP (Metals Only) |
| ☐ 45. Reactivity | ☐ 46. Dioxin (USEPA 8280) | ☐ 47. Appendix IX |
| ☐ 48. Other _____ | ☐ 63 Percent Solids | ☐ 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- ☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY: T.M. Koch TELEPHONE NUMBER: 518-457-0747 REGION NO.: 1CONTRACT LABORATORY: Chemtech COUNTY: Pulmon SAMPLING DATE: 10-19-99 MILITARY TIME: 11:30**SAMPLE MATRIX:**

- ☐ Air ☐ Soil/Sediment ☒ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
51101919	1101191	801017104	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

000143

Report via Category B, unless checked ☐Check if field duplicate ☐ Outfall NumberCheck if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | |



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 3

CAUTION (check if applicable)

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CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS**PRIORITY POLLUTANTS (Water Part 136)—SPDES**

- | | | |
|---|--|---|
| ☐ 2. 13PP Metals | ☐ 3. Volatiles—(USEPA 624 GC/MS) | ☐ 6. Pesticides/PCBs (USEPA 608-GC) |
| ☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS) | ☐ 5. Cyanide | ☐ 9. BOD |
| ☐ 7. Halogenated Volatiles (USEPA 601 GC) | ☐ 8. Aromatic Volatiles USEPA 602 GC) | ☐ 12. TSS |
| ☐ 10. pH | ☐ 11. COD | ☐ 15. Ammonia |
| ☐ 13. Settleable Solids | ☐ 14. TKN | ☐ 18. Reactive Phosphorus |
| ☐ 16. Nitrate/Nitrite | ☐ 17. Total Phosphorus | ☐ 21. Total Phenols |
| ☐ 19. Oil/Grease) | ☐ 20. TOC | ☐ 60. PCBs congener method (ASP 91-11) |
| ☐ 22. Other _____ | ☐ 59. PCBs at 0.065 ug/l | ☐ 64. Total Solids |
| | ☐ 62. CBOD | ☐ 65. Volatiles (USEPA 524.2 GC/MS) |

CONTRACT LABORATORY PROTOCOLS

- | | |
|--|--|
| ☐ 23 (ALL)—Water—Includes 24-28 | ☐ 29. (ALL)—Soil/Sediments—Includes 30-34 |
| ☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2) | ☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2) |
| ☒ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1) | ☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1) |
| ☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3) | ☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3) |
| ☐ 27 Metals—23 in Water | ☐ 33. Metals—23 in Soil/Sediments) |
| ☐ 28 Cyanide—Water | ☐ 34. Cyanide—Soil/Sediments) |
| ☐ 66 Dioxin-Water (ASP #91-7) | ☐ 67. Dioxin-Soil/Sediments (ASP #91-7) |
| ☐ 35 Other _____ | |

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- | | | |
|---|--|---|
| ☐ 36. EP Toxicity | ☐ 37. EP Toxicity (Metals Only) | ☐ 38. Ignitability |
| ☐ 39. Corrosivity | ☐ 40. VOA—(USEPA 8260 GC/MS) | ☐ 41. BNA—(USEPA 8270 GC/MS) |
| ☐ 42. Pesticides/PCBs (USEPA 8081) | ☐ 43. TCLP | ☐ 44. TCLP (Metals Only) |
| ☐ 45. Reactivity | ☐ 46. Dioxin (USEPA 8280) | ☐ 47. Appendix IX |
| ☐ 48. Other _____ | ☐ 63 Percent Solids | ☐ 68. Metals—17 Hazardous |

MUNICIPAL SLUDGE

- ☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:

TM Koch

TELEPHONE NUMBER:

518-457-0147

REGION NO.:

1

CONTRACT LABORATORY:

Chemtech

COUNTY:

Pioome

SAMPLING DATE:

10- -99

MILITARY TIME:

==

SAMPLE MATRIX:

- ☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☒ Other trip blank

CASE NO.

SH1999

SDG NO.

10191

SAMPLE NO.

A01017TB

CHECK FOR MS/MD☐ This sample**TYPE OF SAMPLE**☐ Grab ☐ Composite ☐ Term _____ hours

- ☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

000144

Report via Category B, unless checked ☐Check if field duplicate ☐ Outfall NumberCheck if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | |

RESULTS SUMMARY

10/20/99

**PROJECT NAME: ALMY
PROJECT # 2****CASE# SH 099
SDG# 1019****NYSDEC
ROOM 252
50 WOLF ROAD
ALBANY, NY 12233-7010
518-457-0747****CHEMTECH PROJECT NO.
ATTENTION**☐ 110 Route 4
Englewood, New Jersey 07631
Phone: 201.567.6868 Fax: 201.567.1333**13861DEC****TM KOCH**Edison Campus Plaza 1
Edison, NJ 08837
Phone: 732.225.4111 Fax: 732.225.4110

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1019-B007-01

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC

Project No.: 13861DEC Site: _____ Location: ALBANY Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O88314 01 = 65

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8811.D

Level: (low/med) _____ Date Received: 10/21/99

% Moisture: not dec. 100 Date Analyzed: 10/26/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-01-4	Vinyl Chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene Chloride	10		U
67-64-1	Acetone	10		U
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
156-59-4	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
78-93-3	2-Butanone	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon Tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	20		
10061-02-6	trans-1,3-Dichloropropene	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-Pentanone	10		U
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
108-88-3	Toluene	10		U
108-90-7	Chlorobenzene	10		U
100-41-4	Ethylbenzene	2.7		J
100-42-5	Styrene	10		U

SH099-1019-B007-01

Contract: NEW YORK STATE DEC

Group:

Lab Sample ID: O88314

Lab File ID: A8811.D

Date Received: 10/21/99

Date Analyzed: 10/26/99

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

(ug/L or ug/Kg)

ug/L

Q

[illegible]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1019-B007-01

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC
 Project No. 1386 Site: _____ Location: ALBANY Group: _____
 Matrix: (soil/water) WATER Lab Sample ID: O88314
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8811.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: not dec. 100 Date Analyzed: 10/26/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 10 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 107-83-5	Pentane, 2-methyl-	3.96	230	J
2. 96-37-7	Cyclopentane, methyl-	6.12	140	J
3. 110-82-7	Cyclohexane	7.93	58	J
4.	Unknown	8.60	62	J
5. 367-11-3	Benzene, 1,2-difluoro-	11.18	50	J
6. 108-87-2	Cyclohexane, methyl-	12.25	92	J
7. 98-82-8	Benzene, (1-methylethyl)-	23.69	61	J
8. 95-63-6	Benzene, 1,2,4-trimethyl-	23.90	41	J
9. 535-77-3	Benzene, 1-methyl-3-(1-methy	26.58	52	J
10.	Unknown	29.51	47	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-01

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88314
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22215.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-95-2	Phenol	10		U
111-44-4	bis(2-Chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	10		U
95-50-1	1,2-Dichlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	Bis(2-chloroisopropyl)ether	10		U
65794-96-9	3+4-Methyphenols	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	bis(2-Chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	4.7		J
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-01

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88314
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22215.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	10		U
100-01-6	4-Nitroaniline	25		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	25		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
86-74-8	Carbazole	10		U
84-74-2	Di-n-butylphthalate	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
85-68-7	Butylbenzylphthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo[a]anthracene	10		U
218-01-9	Chrysene	10		U
117-81-7	bis(2-Ethylhexyl)phthalate	10		U
117-84-0	Di-n-octylphthalate	10		U
205-99-2	Benzo[b]fluoranthene	10		U
207-08-9	Benzo[k]fluoranthene	10		U
50-32-8	Benzo[a]pyrene	10		U
193-39-5	Indeno[1,2,3-cd]pyrene	10		U
53-70-3	Dibenz[a,h]anthracene	10		U
191-24-2	Benzo[g,h,i]perylene	10		U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH099-1019-B007-0

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DE SAS No.: ALBANY SDG No.: SH099-10
 Matrix: (soil/water) WATER Lab Sample ID: O88314
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22215.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N) N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____
 Concentration Units: _____
 Number TICs found: 20 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 106-42-3	p-Xylene	4.92	6.1	J
2. 103-65-1	Benzene, propyl-	6.90	11	J
3. 620-14-4	Benzene, 1-ethyl-3-methyl-	7.10	36	J
4. 108-67-8	Benzene, 1,3,5-trimethyl-	7.25	21	J
5. 611-14-3	Benzene, 1-ethyl-2-methyl-	7.52	8.7	J
6. 95-63-6	Benzene, 1,2,4-trimethyl-	7.83	28	J
7. 99-87-6	Benzene, 1-methyl-4-(1-methy	8.49	8.2	J
8. 1074-43-7	Benzene, 1-methyl-3-propyl-	9.14	25	J
9. 135-01-3	Benzene, 1,2-diethyl-	9.23	14	J
10. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	9.30	25	J
11. 1074-55-1	Benzene, 1-methyl-4-propyl-	9.48	11	J
12. 933-98-2	Benzene, 1-ethyl-2,3-dimethy	9.70	32	J
13. 1758-88-9	Benzene, 2-ethyl-1,4-dimethy	10.32	8.4	J
14. 95-93-2	Benzene, 1,2,4,5-tetramethyl	10.53	17	J
15. 527-53-7	Benzene, 1,2,3,5-tetramethyl	10.62	20	J
16.	Unknown	11.00	15	J
17.	Unknown	11.24	28	J
18.	Unknown	12.20	12	J
19. 826-18-6	Benzene, 1-pentenyl-	12.91	6.4	J
20. 109-21-7	Butanoic acid, butyl ester	15.07	6.3	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-01

Lab Name: CHEMTECH CONSULTING GRUP. Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861P

Matrix: (soil/water) WATER Lab Sample ID: 88314

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/24/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/Kg) ug/L	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U

1D
HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-01

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D20041

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861H

Matrix: (soil/water) WATER Lab Sample ID: 88314

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) ug/L	Q
94-75-7-----	2,4-D	0.25	U
93-72-1-----	SILVEX	0.25	U
93-76-5-----	2,4,5-T	0.25	U

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

SH099-1019-B007-01

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.: SH099

SAS No.:

SDG No.: 1019

Matrix (soil/water): WATER

Lab Sample ID: 88314S

Level (low/med): LOW

Date Received: 10/21/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	21.4			P
7440-39-3	Barium	329			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	91200			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	34.3			P
7439-89-6	Iron	32800			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	9130			P
7439-96-5	Manganese	8060			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	13500			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.6	B		P
7440-23-5	Sodium	99300			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	14.3	B		P
	Cyanide				NR

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1019-B007-02

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC

Project No.: 13861DEC Site: _____ Location: ALBANY Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O88316

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8813.D 02-6D

Level: (low/med) _____ Date Received: 10/21/99

% Moisture: not dec. 100 Date Analyzed: 10/26/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-01-4	Vinyl Chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene Chloride	10		U
67-64-1	Acetone	10		U
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
156-59-4	cis-1,2-Dichloroethene	2.9		J
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
78-93-3	2-Butanone	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon Tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-Pentanone	10		U
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
108-88-3	Toluene	10		U
108-90-7	Chlorobenzene	10		U
100-41-4	Ethylbenzene	1.4		J
100-42-5	Styrene	10		U

SH099-1019-B007-02

Contract: NEW YORK STATE DEC

Group:

Lab Sample ID: O88316

Lab File ID: A8813.D

Date Received: 10/21/99

Date Analyzed: 10/26/99

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

Q

[illegible]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1019-B007-02

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC
 Project No. 1386 Site: Location: ALBANY Group:
 Matrix: (soil/water) WATER Lab Sample ID: O88316
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8813.D
 Level: (low/med) Date Received: 10/21/99
 % Moisture: not dec. 100 Date Analyzed: 10/26/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	MTBE	4.47	16	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-02

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88316
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22216.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-95-2	Phenol	10		U
111-44-4	bis(2-Chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	10		U
95-50-1	1,2-Dichlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	Bis(2-chloroisopropyl)ether	10		U
65794-96-9	3+4-Methyphenols	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	bis(2-Chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-02

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88316
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22216.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	10		U
100-01-6	4-Nitroaniline	25		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	25		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
86-74-8	Carbazole	10		U
84-74-2	Di-n-butylphthalate	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
85-68-7	Butylbenzylphthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo[a]anthracene	10		U
218-01-9	Chrysene	10		U
117-81-7	bis(2-Ethylhexyl)phthalate	10		U
117-84-0	Di-n-octylphthalate	10		U
205-99-2	Benzo[b]fluoranthene	10		U
207-08-9	Benzo[k]fluoranthene	10		U
50-32-8	Benzo[a]pyrene	10		U
193-39-5	Indeno[1,2,3-cd]pyrene	10		U
53-70-3	Dibenz[a,h]anthracene	10		U
191-24-2	Benzo[g,h,i]perylene	10		U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH099-1019-B007-0

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DE SAS No.: ALBANY SDG No.: SH099-10
 Matrix: (soil/water) WATER Lab Sample ID: O88316
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22216.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N) N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____
 Number TICs found: 6 Concentration Units: _____
 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 109-21-7	Butanoic acid, butyl ester	15.05	5.9	J
2.	Unknown	15.44	7.3	J
3. 629-78-7	Heptadecane	32.97	2.2	J
4.	Unknown	33.86	2.3	J
5. 630-06-8	Hexatriacontane	34.73	2.1	J
6. 638-67-5	Tricosane	35.56	2.1	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-02

Lab Name: CHEMTECH CONSULTING GRUP. Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861P

Matrix: (soil/water) WATER Lab Sample ID: 88316

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/24/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/04/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

SH099-1019-B007-02

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.: SH099

SAS No.:

SDG No.: 1019

Matrix (soil/water): WATER

Lab Sample ID: 88316S

Level (low/med): LOW

Date Received: 10/21/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18.4	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	6.0	U		P
7440-39-3	Barium	66.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.2	B		P
7440-50-8	Copper	22.0	B		P
7439-89-6	Iron	64.0	B		F
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	20200			P
7439-96-5	Manganese	6680			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.1	B		P
7440-09-7	Potassium	6850			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	67000			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	14.5	B		P
	Cyanide				NR

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1019-B007-03

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC

Project No.: 13861DEC Site: _____ Location: ALBANY Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O88315

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8812.D

Level: (low/med) _____ Date Received: 10/21/99

% Moisture: not dec. 100 Date Analyzed: 10/26/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

03 = 85

CAS No.	Compound	Concentration Units:	
		(ug/L or ug/Kg)	ug/L
			Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	15	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-4	cis-1,2-Dichloroethene	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	77	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	22	
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	74	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	89	
100-42-5	Styrene	10	U

SH099-1019-B007-03

[illegible]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1019-B007-03

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC
 Project No. 1386 Site: Location: ALBANY Group:
 Matrix: (soil/water) WATER Lab Sample ID: O88315
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8812.D
 Level: (low/med) Date Received: 10/21/99
 % Moisture: not dec. 100 Date Analyzed: 10/26/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Concentration Units:

Number TICs found: 10 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 107-83-5	Pentane, 2-methyl-	3.97	150	J
2. 96-14-0	Pentane, 3-methyl-	4.36	74	J
3. 110-54-3	Hexane	4.87	61	J
4. 96-37-7	Cyclopentane, methyl-	6.11	120	J
5.	Unknown	7.97	130	J
6.	Unknown	8.59	63	J
7.	Unknown	12.23	69	J
8. 98-82-8	Benzene, (1-methylethyl)-	23.69	100	J
9. 108-67-8	Benzene, 1,3,5-trimethyl-	23.92	61	J
10. 95-36-3	1,2,4-Trimethylbenzene	24.79	160	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-03

Lab Name: CHEMTECH

Contract: NEW YORK STATE D.E.C.

Lab Code: CHEM

Case No.: 13861DEC

SAS No.: ALBANY

SDG No.: SH099-1019

Matrix: (soil/water) WATER

Lab Sample ID: O88315

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: S22230.D

Level: (low/med)

Date Received: 10/21/99

% Moisture: 100 decanted: (Y/N): N

Date Extracted: 10/23/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-95-2	Phenol	10		U
111-44-4	bis(2-Chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	10		U
95-50-1	1,2-Dichlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	Bis(2-chloroisopropyl)ether	10		U
65794-96-9	3+4-Methyphenols	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	2.3		J
111-91-1	bis(2-Chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	6.4		J
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	1.1		J
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-03

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88315
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22230.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	10		U
100-01-6	4-Nitroaniline	25		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	25		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
86-74-8	Carbazole	10		U
84-74-2	Di-n-butylphthalate	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
85-68-7	Butylbenzylphthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo[a]anthracene	10		U
218-01-9	Chrysene	10		U
117-81-7	bis(2-Ethylhexyl)phthalate	10		U
117-84-0	Di-n-octylphthalate	10		U
205-99-2	Benzo[b]fluoranthene	10		U
207-08-9	Benzo[k]fluoranthene	10		U
50-32-8	Benzo[a]pyrene	10		U
193-39-5	Indeno[1,2,3-cd]pyrene	10		U
53-70-3	Dibenz[a,h]anthracene	10		U
191-24-2	Benzo[g,h,i]perylene	10		U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH099-1019-B007-03

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DE SAS No.: ALBANY SDG No.: SH099-10
 Matrix: (soil/water) WATER Lab Sample ID: O88315
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22230.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N) N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____
 Number TICs found: 20 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 108-88-3	Toluene	2.84	30	J
2. 6137-06-0	2-Heptanone, 4-methyl-	3.33	11	J
3. 100-41-4	Ethylbenzene	4.73	12	J
4. 106-42-3	p-Xylene	4.91	65	J
5. 622-96-8	Benzene, 1-ethyl-4-methyl-	7.10	50	J
6. 108-67-8	Benzene, 1,3,5-trimethyl-	7.25	33	J
7. 611-14-3	Benzene, 1-ethyl-2-methyl-	7.50	22	J
8. 526-73-8	Benzene, 1,2,3-trimethyl-	7.83	82	J
9. 95-36-3	1,2,4-Trimethylbenzene	8.48	19	J
10. 2417-88-1	2,4-Hexadiene, 3,4-dimethyl-	8.54	9.6	J
11. 1074-43-7	Benzene, 1-methyl-3-propyl-	9.12	21	J
12. 934-80-5	Benzene, 4-ethyl-1,2-dimethy	9.30	13	J
13. 767-58-8	Indan, 1-methyl-	10.99	8.3	J
14. 105-05-5	Benzene, 1,4-diethyl-	11.27	8.4	J
15. 112-40-3	Dodecane	12.17	12	J
16. 539-90-2	Butanoic acid, 2-methylpropy	15.06	11	J
17. 109-21-7	Butanoic acid, butyl ester	15.43	14	J
18. 103-23-1	Hexanedioic acid, bis(2-ethy	27.31	10	J
19.	Unknown	27.42	12	J
20.	Unknown	28.00	14	J
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1D.
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-03

Lab Name: CHEMTECH CONSULTING GRUP. Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861P

Matrix: (soil/water) WATER Lab Sample ID: 88315

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/24/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/04/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NO. COMPOUND Q

319-84-6-----	alpha-BHC	0.050	U
319-85-7-----	beta-BHC	0.050	U
319-86-8-----	delta-BHC	0.050	U
58-89-9-----	gamma-BHC (Lindane)	0.050	U
76-44-8-----	Heptachlor	0.050	U
309-00-2-----	Aldrin	0.050	U
1024-57-3-----	Heptachlor epoxide	0.050	U
959-98-8-----	Endosulfan I	0.050	U
60-57-1-----	Dieldrin	0.10	U
72-55-9-----	4,4'-DDE	0.10	U
72-20-8-----	Endrin	0.10	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.10	U
1031-07-8-----	Endosulfan sulfate	0.10	U
50-29-3-----	4,4'-DDT	0.10	U
72-43-5-----	Methoxychlor	0.50	U
53494-70-5-----	Endrin ketone	0.10	U
7421-36-3-----	Endrin aldehyde	0.10	U
5103-71-9-----	alpha-Chlordane	0.050	U
5103-74-2-----	gamma-Chlordane	0.050	U
8001-35-2-----	Toxaphene	5.0	U

1D
HERBICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-03

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68D20041

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861H

Matrix: (soil/water) WATER Lab Sample ID: 88315

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/25/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
---------	----------	--	---

94-75-7-----	2,4-D	0.25	U
93-72-1-----	SILVEX	0.25	U
93-76-5-----	2,4,5-T	0.25	U

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

SH099-1019-B007-03

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.: SH099

SAS No.:

SDG No.: 1019

Matrix (soil/water): WATER

Lab Sample ID: 88315S

Level (low/med): LOW

Date Received: 10/21/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	18300			P
7440-36-0	Antimony	81.2			P
7440-38-2	Arsenic	201			P
7440-39-3	Barium	270			P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	4.6	B		P
7440-70-2	Calcium	20500			P
7440-47-3	Chromium	82.4			P
7440-48-4	Cobalt	20.1	B		P
7440-50-8	Copper	661			P
7439-89-6	Iron	40500			P
7439-92-1	Lead	736			P
7439-95-4	Magnesium	6520			P
7439-96-5	Manganese	1290			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	61.9			P
7440-09-7	Potassium	15200			P
7782-49-2	Selenium	9.8			P
7440-22-4	Silver	2.8	B		P
7440-23-5	Sodium	305000			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	333			P
7440-66-6	Zinc	479			P
	Cyanide				NR

Color Before: GREY

Clarity Before: CLOUDY

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1019-B007-04

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC

Project No.: 13861DEC Site: _____ Location: ALBANY Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O88317

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8814.D

Level: (low/med) _____ Date Received: 10/21/99

% Moisture: not dec. 100 Date Analyzed: 10/26/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

04 = 25

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-01-4	Vinyl Chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene Chloride	10		U
67-64-1	Acetone	31		
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
156-59-4	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
78-93-3	2-Butanone	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon Tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-Pentanone	10		U
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
108-88-3	Toluene	10		U
108-90-7	Chlorobenzene	10		U
100-41-4	Ethylbenzene	10		U
100-42-5	Styrene	10		U

SH099-1019-B007-04

[illegible]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1019-B007-04

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC
 Project No. 1386 Site: _____ Location: ALBANY Group: _____
 Matrix: (soil/water) WATER Lab Sample ID: O88317
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8814.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: not dec. 100 Date Analyzed: 10/26/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 1 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1.	MTBE	4.45	12	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-04

Lab Name: CHEMTECH

Contract: NEW YORK STATE D.E.C.

Lab Code: CHEM

Case No.: 13861DEC

SAS No.: ALBANY

SDG No.: SH099-1019

Matrix: (soil/water) WATER

Lab Sample ID: O88317

Sample wt/vol: 1000.0 (g/mL) ML

Lab File ID: S22217.D

Level: (low/med)

Date Received: 10/21/99

% Moisture: 100 decanted: (Y/N): N

Date Extracted: 10/23/99

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/18/99

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH:

Concentration Units:

CAS No.	Compound	(ug/L or ug/Kg)	ug/L	Q
108-95-2	Phenol	10		U
111-44-4	bis(2-Chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	10		U
95-50-1	1,2-Dichlorobenzene	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	Bis(2-chloroisopropyl)ether	10		U
65794-96-9	3+4-Methyphenols	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	bis(2-Chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SH099-1019-B007-04

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DEC SAS No.: ALBANY SDG No.: SH099-1019
 Matrix: (soil/water) WATER Lab Sample ID: O88317
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22217.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N): N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	10		U
100-01-6	4-Nitroaniline	25		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	25		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
86-74-8	Carbazole	10		U
84-74-2	Di-n-butylphthalate	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
85-68-7	Butylbenzylphthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo[a]anthracene	10		U
218-01-9	Chrysene	10		U
117-81-7	bis(2-Ethylhexyl)phthalate	10		U
117-84-0	Di-n-octylphthalate	10		U
205-99-2	Benzo[b]fluoranthene	10		U
207-08-9	Benzo[k]fluoranthene	10		U
50-32-8	Benzo[a]pyrene	10		U
193-39-5	Indeno[1,2,3-cd]pyrene	10		U
53-70-3	Dibenz[a,h]anthracene	10		U
191-24-2	Benzo[g,h,i]perylene	10		U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SH099-1019-B007-0.

Lab Name: CHEMTECH Contract: NEW YORK STATE D.E.C.
 Lab Code: CHEM Case No.: 13861DE SAS No.: ALBANY SDG No.: SH099-10
 Matrix: (soil/water) WATER Lab Sample ID: O88317
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: S22217.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: 100 decanted: (Y/N) N Date Extracted: 10/23/99
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/18/99
 Injection Volume: 2.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: _____
 Number TICs found: 9 Concentration Units: (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
1. 539-90-2	Butanoic acid, 2-methylpropy	15.06	5.7	J
2. 109-21-7	Butanoic acid, butyl ester	15.44	6.4	J
3. 112-41-4	1-Dodecene	17.10	4.9	J
4. 143-07-7	Dodecanoic acid	18.60	10	J
5. 57-10-3	Hexadecanoic acid	24.10	3.6	J
6.	Unknown	26.28	5.9	J
7.	Unknown	32.24	11	J
8. 28553-12-0	1,2-Benzenedicarboxylic acid	32.79	2.1	J
9. 593-45-3	Octadecane	32.98	3.4	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1019-B007-04

Lab Name: CHEMTECH CONSULTING GRUP. Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13861P

Matrix: (soil/water) WATER Lab Sample ID: 88317

Sample wt/vol: 1000 (g/ml) ML Lab File ID: _____

% Moisture: decanted: (Y/N) Date received: 10/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 10/24/99

Concentrated Extract Volume: 10000 (uL) Date analyzed: 11/04/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	ug/L
			Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

SH099-1019-B007-04

Lab Name: CHEMTECH CONSULTING GROUP

Contract:

Lab Code: CHEM

Case No.: SH099

SAS No.:

SDG No.: 1019

Matrix (soil/water): WATER

Lab Sample ID: 88317S

Level (low/med): LOW

Date Received: 10/21/99

% Solids: 0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	710			P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	14.9			P
7440-39-3	Barium	568			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	80700			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	22.2	B		P
7439-89-6	Iron	29700			P
7439-92-1	Lead	7.1			P
7439-95-4	Magnesium	7370			P
7439-96-5	Manganese	289			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	2.0	U		P
7440-09-7	Potassium	14000			P
7782-49-2	Selenium	5.0	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	77300			P
7440-28-0	Thallium	7.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	51.3			P
	Cyanide				NR

Color Before: COLORLESS

Clarity Before: CLOUDY

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SH099-1019-B007-TB

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC

Project No.: 13861DEC Site: _____ Location: ALBANY Group: _____

Matrix: (soil/water) WATER Lab Sample ID: O88318

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8815.D

Level: (low/med) _____ Date Received: 10/21/99

% Moisture: not dec. 100 Date Analyzed: 10/26/99

GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS No.	Compound	Concentration Units:		Q
		(ug/L or ug/Kg)	ug/L	
74-87-3	Chloromethane	10		U
74-83-9	Bromomethane	10		U
75-01-4	Vinyl Chloride	10		U
75-00-3	Chloroethane	10		U
75-09-2	Methylene Chloride	10		U
67-64-1	Acetone	10		U
75-15-0	Carbon Disulfide	10		U
75-35-4	1,1-Dichloroethene	10		U
75-34-3	1,1-Dichloroethane	10		U
156-60-5	trans-1,2-Dichloroethene	10		U
156-59-4	cis-1,2-Dichloroethene	10		U
67-66-3	Chloroform	10		U
107-06-2	1,2-Dichloroethane	10		U
78-93-3	2-Butanone	10		U
71-55-6	1,1,1-Trichloroethane	10		U
56-23-5	Carbon Tetrachloride	10		U
75-27-4	Bromodichloromethane	10		U
78-87-5	1,2-Dichloropropane	10		U
10061-01-5	cis-1,3-Dichloropropene	10		U
79-01-6	Trichloroethene	10		U
124-48-1	Dibromochloromethane	10		U
79-00-5	1,1,2-Trichloroethane	10		U
71-43-2	Benzene	10		U
10061-02-6	trans-1,3-Dichloropropene	10		U
75-25-2	Bromoform	10		U
108-10-1	4-Methyl-2-Pentanone	10		U
591-78-6	2-Hexanone	10		U
127-18-4	Tetrachloroethene	10		U
79-34-5	1,1,2,2-Tetrachloroethane	10		U
108-88-3	Toluene	10		U
108-90-7	Chlorobenzene	10		U
100-41-4	Ethylbenzene	10		U
100-42-5	Styrene	10		U

SAMPLE NO.

SH099-1019-B007-TB

Contract: NEW YORK STATE DEC

Group:

Lab Sample ID: O88318

Lab File ID: A8815.D

Date Received: 10/21/99

Date Analyzed: 10/26/99

Dilution Factor: 1.0

Soil Aliquot Volume: (uL)

(ug/L or ug/Kg)

ug/L

Q

3/90

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SH099-1019-B007-TB

Lab Name: CHEMTECH Contract: NEW YORK STATE DEC
 Project No. 1386 Site: _____ Location: ALBANY Group: _____
 Matrix: (soil/water) WATER Lab Sample ID: O88318
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: A8815.D
 Level: (low/med) _____ Date Received: 10/21/99
 % Moisture: not dec. 100 Date Analyzed: 10/26/99
 GC Column: RTX624 ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Concentration Units:

Number TICs found: 0 (ug/L or ug/Kg) ug/L

CAS Number	Compound Name	RT	Est. Conc.	Q
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