The electronic version of this file/report should have the file name:

Type of document.Spill Number.Year-Month.File *Year-Year* or Report name.pdf

letter._____._____-_____.File spillfile.pdf

report.hw915173.1998-04-02 PCB SAMPLING RESULTS.pdf

Project Site numbers will be proceeded by the following:

Municipal Brownfields - b
Superfund - hw
Spills - sp
ERP - e
VCP - v
BCP - c

non-releasable - put .nf.pdf
Example: letter.sp9875693.1998-01.Filespillfile.nf.pdf

915123

HOWELL STREET
BUFFALO (C), ERIE COUNTY
PCB SAMPLE RESULTS
APRIL 2, 1998

MARCON

DSS ___
MFM ___

Columbia Analytical Services inc.

May 11, 1998

Mr. D. Szymanski
NYS DEC
270 Michigan Avenue
Buffalo, NY

PROJECT: 1 Howell St.
CASE #: SH998
SDG #: 0402
SAMPLE #'S: B081 M1 - B081 M9, B081 AM - B081 EM, OUTFALL BO841W1
Submission #: 9804000094

Dear Mr. Szymanski:

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael Perry
Laboratory Director

Enc.

cc: Mr. John M. Ryan
NYS DEC
50 Wolfe Road
Albany, NY 12233-3502

RECEIVED
MAY 22 1998
NYSDEC - REG. 9
FOIL
REL UNREL

CASE NARRATIVE

COMPANY: NYS DEC
Region 8, Avon, NY
SUBMISSION #: 9804000094
SDG#: 0402
Case #: RH998

NYS DEC soil and water samples were collected on 4/02/98 and received at CAS on 4/03/98 in good condition at a cooler temperature of 5.0 °C. See CAS CLP Batching sheets for a cross reference between Client ID and CAS Job # and analyses requested.

PESTICIDE/PCB ANALYSIS

Fourteen soil samples were analyzed for TCL PCBs and One water sample was analyzed for TCL Pesticides and PCBs by NYSDEC Method 95-3 ASP protocol. The analysis was performed on one instrument with one injection splitting into a dual column, dual electron capture detector system. The analysis was conducted concurrently on DB-1701 and DB-17 capillary columns.

The initial and continuing calibration criteria were met for all analytes.

Samples B081 M2, B081 M3, B081 M4, and B081 M5 were analyzed at dilutions to bring target analytes within the calibration range of the method.

All surrogate compounds were within QC limits for recovery.

Matrix Spike/Matrix Spike Duplicate recoveries for sample B081 M1 and Blank Spike recoveries were all acceptable. The % RPD for PCB 1260 was outside of QC limits.

No other problems occurred during this analysis.

SEMIVOLATILE ORGANICS

One water sample was analyzed for TCL Semivolatiles by NYSDEC ASP method 95-2.

All DFTPP tuning criteria were within acceptance limits.

The initial and continuing calibration criteria were met for all analytes.

The internal standard areas were all within QC limits.

All the surrogate standard recoveries were within QC limits on all samples.

The Blank Spike/Blank Spike Duplicate recoveries and % RPD were all within QC limits

Library Searches against the NBS/EPA library were conducted on all samples, reanalyzes, and blanks. The 20 largest peaks within 10 % of the nearest Internal Standard were searched. A summary of detected peaks is included following the Target data. Any analyte detected was quantitated based on the closest internal standard and has been reported flagged with a "J" as estimated.

No other analytical or QC problems were encountered.

1 Mustard Street, Suite 250 ▪ Rochester, NY 14609 ▪ Telephone (716) 288-5380 ▪ Fax (716) 288-8475

INORGANIC ANALYSIS

One soil sample was analyzed for TAL Metals and Total Cyanide using SW-846 methodology and reported using NYSDEC 1995 ASP protocol. Mercury was analyzed by cold vapor methodology and all other metals were analyzed by ICP.

The Blank Spike recoveries were all within NYSDEC ASP QC limits.

No other analytical or QC problems were encountered.

I certify that this 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.

Michael K. Perry
Laboratory Manager

5/20/98
Date

CAS ASP/CLP BATCHING FORM / LOGIN SHEET

SDG #: 0402 CASE No.:RH998
SUBMISSION 9804000094
CLIENT: NYS DEC - Buffalo, NY
CLIENT REP: Michael Perry
PROJECT: 1 HOWELL ST.-RH998-SDG#0402

BATCH COMPLETE: __yes_____
DISKETTE REQUESTED: Y___ N__x__
DATE: 04/07/98
CUSTODY SEAL: PRESENT (ABSENT:)
CHAIN OF CUSTODY: PRESENT

DATE REVISED:
DATE DUE: 4/27/98
PROTOCOL: ASP-B
SHIPPING No.:CAS Shipper

CAS JOB #	CLIENT/EPA ID	MATRIX	REQUESTED PARAMETERS	DATE SAMPLED	DATE RECEIVED	pH (SOLIDS	% SOLIDS	REMARKS SAMPLE CONDITION
203459	BO81 M1	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203460	BO81 M2	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203461	BO81 M3	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203462	BO81 M4	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203463	BO81 M5	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203464	BO81 M6	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203465	BO81 M7	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203466	BO81 M8	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203467	BO81 M9	SOIL	95-3-PCBs Only, TAL Metals	4/2/98	4/3/98			
203468	BO81 AM	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203469	BO81 BM	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203470	BO81 CM	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203471	BO81 DM	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203472	BO81 EM	SOIL	95-3-PCBs Only	4/2/98	4/3/98			
203473	OUTFALL BO81W1	WATER	95-3, 95-2	4/2/98	4/3/98			

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 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".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration 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. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

10/95

9804-94 Columbia Analytical Services (4/3/98) 1 of 2

RECRA ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

PROJECT NO: 1 Howell ST RH998 | SITE NAME: Howell ST.

SAMPLERS (SIGNATURE): Maurice Moore

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	PCB's	Metals				REMARKS
M1	040298	1120	X	X	BOS1 M1	1	1			R034459		Soils 1 Howell ST
M2	"	1125	X		BOS1 M2	1	1				460	
M3	"	1130	X		BOS1 M3	1	1				461	
M4	"	1135	X		BOS1 M4	1	1				462	
M5	"	1145	X		BOS1 M5	1	1				463	
M6	"	1150	X		BOS1 M6	1	1				464	
M7	"	1155	X		BOS1 M7	1	1				465	
M8	"	1200	X		BOS1 M8	1	1				466	
M9	"	1240	X		BOS1 M9	2	1	(1)			467	2-403 JARS
AM	"	1220	X		BOS1 AM	2	1				468	2-203 JARS
BM	"	1225	X		BOS1 BM	2	1				469	
CM	"	1235	X		BOS1 CM	2	1				470	
DM	"	1245	X		BOS1 DM	2	1				471	
EM	"	1300	X		BOS1 EM	2	1			R	472	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Maurice Moore	4/3/98 1:05	Mike Scanlon
Mike Scanlon	4/3/98 4:40	L Gardner

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)

RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS
L Gardner	4/3/98@1640	

Distribution: Original accompanies shipment copy to coordinator field files

00005

00005

RECRA ENVIRONMENTAL, INC. CAS

CHAIN OF CUSTODY RECORD

PROJECT NO: 1 Howell St. RH998

SITE NAME: Howell St.

SAMPLERS (SIGNATURE): Maureen [signature]

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	Pest/PCBs	BNA-n				REMARKS
W1	4/2/98	1245		X	Outfall B081WL	2	1	1	203473			2 1 liter Amber bottles

RELINQUISHED BY (SIGNATURE)	DATE/TIME		RECEIVED BY (SIGNATURE)
[signature]	4/3/98	1:05	Mike Secunda
Mike Secunda	4/3/98	4:40	

RELINQUISHED BY (SIGNATURE)	DATE/TIME		RECEIVED BY (SIGNATURE)

RELINQUISHED BY (SIGNATURE)	DATE/TIME		RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE/TIME	REMARKS
			Gardner	4/3/98 @ 1140	

Distribution: Original accompanies shipment copy to coordinator field files

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 Note: PCBS only; No MS/MSD.

HAZARDOUS WASTES/RCRA ANALYSIS SW846

☐ 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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	04/02/98	1200 hrs

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R1H998	0402	B981M18	☐ This sample	☑ Grab ☐ Composite ☐ Term ___ hours

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

Report via Category B unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 *Note: #32: PCBS only, #33 all metals (23); No MS/MSD*

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:	TELEPHONE NUMBER:	REGION NO.:
D Szymanski / M. Moore - NYDEC	*(716) 851-7220*	*9*

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	*Erie*	*04/02/98*	*1210 hrs*

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R119980409		*B0819*	☐ This sample	☒ Grab ☐ Composite ☐ Term hours

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

Report is Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW GPD MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NOTE: PCBS only ; No MS/MSD ; Composite ② 2oz Jars.

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	ERIE	04-02-98	1220 hrs

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R11998	040298	B9851AM	☐ This sample	☐ Grab ☒ Composite ☐ Term ___ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: GPD MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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

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☐ 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)

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☐ 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 NOTE: PCBS only; No MS/MSD; Composite ② 2 [illegible]

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	ERIE	04-02-98	1005

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
RM9980402		B01811BM	☐ This sample	☐ Grab ☑ Composite ☐ Term ___ hours

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

Report via Category B unless checked ☐

SAMPLING POINT:

Check if field duplicate's ☐ Outfall Number

Check if sampling is part of Inspection ☐

FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 ~~Note PCBs only~~ ; No MS/MSD ; Composite ② Loz. Jars

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	04-02-98	1235 hrs

SAMPLE MATRIX: ☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R-9	980402	B08-1CM	☐ This sample	☐ Grab ☐ Composite ☐ ___ hours

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

Report via Category B unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: GPD MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 28 Cyanide—Water
☐ 66 Dioxin-Water (ASP #91-7)
☐ 35 Other *NOTE: PCBs only. No MS/MSD. Composite @ 2oz. Jars*
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☑ 32. Pesticides/~~PCBs~~—Soil/Sediments—GC (ASP #95-3)
☐ 33. Metals—23 in Soil/Sediments)
☐ 34. Cyanide—Soil/Sediments)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)

HAZARDOUS WASTES/RCRA ANALYSIS/SW-846

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

MUNICIPAL SLUDGE

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

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	*(716) 851-7220*	*9*

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	*ERIE*	*04-02-98*	*1245 hrs*

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____________

CASE NO.:	SDG NO.:	SAMPLE NO.:	CHECK FOR MS/MD	TYPE OF SAMPLE
R119980402		*B081*	☐ This sample	☐ Grab ☐ Composite ☐ Term ___ hours

☐ Check if there will be more samples with this SDG sent this calendar week *DM*

SAMPLING POINT:

Report via Category B unless checked ☐
Check if field duplicate ☐ Outfall Number
Check if sampling is part of inspection ☐
FLOW: ____ GPD ____ MGD
SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NJTC PCBs only, No MS/MSD, - Composite ② 2 oz. Jars

HAZARDOUS WASTES/RCRA ANALYSIS SW846

☐ 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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	04/22/98	1300 hrs

SAMPLE MATRIX:

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

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
A H9804021	B081	EM	☐ This sample	☐ Grab ☐ Composite ☐ Integrated _____ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐ Yes ☐ No

FLOW: GPD: MGD:

SPDES NUMBER/REGISTRY NUMBER

CC13

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NO MS/MSD

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	ERIE	04-02-98	1245 hrs

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other Seep

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R11998	0402	B0981	☐ This sample	☐ Grab ☐ Composite ☐ Term ___ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER:

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NOTE: PCB's ONLY. NO MS/MSD	

HAZARDOUS WASTES/RCRA ANALYSIS SW846

☐ 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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore — NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	ERIE	04/02/98	1320 hrs

SAMPLE MATRIX:

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

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
RH99804	02	B081MS	☐ This sample	☒ Grab ☐ Composite ☐ Term ___ hours

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

SAMPLING POINT: 11

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

00015

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NOTE: PCBs ONLY. NO MS/MSD.	

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore NYSDEC	(716) 851-7220	9
CONTRACT LABORATORY:	**COUNTY:**	**SAMPLING DATE:**	**MILITARY TIME:**
Columbia	Erie	09-02-98	1425 hrs

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
RH9980	4021	B0811M2	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

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

SAMPLING POINT:

Report via Category B, unless checked ☐ Y ☐ N

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐ Y ☐ N

FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

0016

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

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 NOTE: PCBS ONLY. NO MS/MSD.

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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski/M. Moore NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	ERIE	04-02-98	1130 hrs

SAMPLE MATRIX: ☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
RH9	98041	02 B0814M13	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

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

SAMPLING POINT:

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number ____

Check if sampling is part of inspection ☐

FLOW ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

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Part 3

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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
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 28 Cyanide—Water
☐ 66 Dioxin-Water (ASP #91-7)
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☒ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 33. Metals—23 in Soil/Sediments)
☐ 34. Cyanide—Soil/Sediments)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other NOTE: PCBS only; NO MS/MSD

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:		TELEPHONE NUMBER:	REGION NO.:
D. Szymanski/M. Moore NYSDEC		(716) 851-7220	9
CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	04-02-98	1135hrs

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
RH998	04102	9984M4	☐ This sample	☒ Grab ☐ Composite ☐ Term ___ hours

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

SAMPLING POINT:

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

00018

74-15-1 (9/97)—q

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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

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☐ 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 NOTE: PCBS ONLY, NO MS/MSD

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

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☐ 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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	04/02/98	1145 hrs.

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
AH 98	0402	B08 MS	☐ This sample	☒ Grab ☐ Composite ☐ Term ____ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number ____

Check if sampling is part of inspection ☐

FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

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CONTRACT LAB SAMPLE INFORMATION SHEET

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Part 3

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- ☐ 12. TSS
- ☐ 10. pH
- ☐ 11. COD
- ☐ 15. Ammonia
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- ☐ 14. TKN
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- ☐ 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
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- ☐ 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 NOTE PCBS only, NO MS/MSD

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

- ☐ 36. EP Toxicity
- ☐ 37. EP Toxicity (Metals Only)
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- ☐ 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:	TELEPHONE NUMBER:	REGION NO.:
D. Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
Columbia	Erie	09-02-98	1150 hrs

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
811-98	0902	BQ 84M6	☐ This sample	☑ Grab ☐ Composite ☐ Term ___ hours

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

Report via Category B unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

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☐ 12. TSS
☐ 10. pH
☐ 11. COD
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☒ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
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☐ 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 NOTE: PCBs only, NO MS/MSD

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
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☐ 42. Pesticides/PCBs (USEPA 8081)
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☐ 44. TCLP (Metals Only)
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MUNICIPAL SLUDGE

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

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
D Szymanski / M. Moore - NYSDEC	(716) 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
COLUMBIA	[illegible]	04/02/98	1155 hrs

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
R4199804102		ROS1M7	☐ This sample	☒ Grab ☐ Composite ☐ Term ____ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number ____

Check if sampling is part of inspection ☐

FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER

00021

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Check Form

Project/Client NYSDEC-Bif Service Request No.: 9804-94

Cooler received on 4/3 and opened on 4/3 by JJ

1.	Were custody seals on outside of the cooler?	YES	(NO)
	If yes, how many and where? _____		
2.	Were signature and date correct?	YES	NO
3.	Were custody papers properly filled out (ink, signed, etc.)?	YES	NO
4.	Did all bottles arrive in good condition (unbroken)?	YES	NO
5.	Were all bottle labels complete (i.e., analysis, preservation, etc.)?	YES	NO
6.	Did all bottle labels and tags agree with custody papers?	YES	NO
7.	Were correct bottles used for the tests indicated?	YES	NO
8.	Were VOA vials checked for absence of air bubbles, and noted if so?	YES (NA)	NO
9.	Where did the bottles originate? CAS/A CAS/B CAS/K CAS/S CAS/L CAS/X CAS/J CAS/R		(Client's)
10.	Temperature of cooler(s) upon receipt:	5°C	
	Identification number of thermometer:	139	
	Is the temperature within 4 +/- 2°C.?	(Yes) No Yes No Yes No Yes No Yes No	

Explain any discrepancies _____

pH	Reagent	YES	NO
12	NaOH		
2	HNO_3		
2	H_2SO_4		

YES = All Samples OK

NO = Samples were preserved at lab as listed

Sample I.D.	Reagent	Volume Added

VOA vial pH Verification
(Tested after Analysis)

The following samples exhibited pH > 2

Comments: _____

COOLRCPT.XLS 10/15/96

INTERNAL CHAINS

CLIENT NAME: NYSDEC-B

SDG#0402 SUBMISSION: 9804-94 REC'D 04/03/98@1640

PARAMETERS	ORDER#	RELINQUISHED BY	RECEIVED BY	DATE	TIME
95-3(PCB'S)	203459QC			4/6/98	
	203460				8:00 4/4/98
	203461				
	203462				
	203463				
	203464				
	203465				
	203466				
	203467				
	203468				
	203469				
	203470				
	203471				
	203472				
95-2;95-3	203473				

INTERNAL CHAINS

CLIENT NAME: NYSDEC-B

SDG#0402 SUBMISSION: 9804-94 REC'D 04/03/98@1640

PARAMETERS	ORDER#	RELINQUISHED BY	RECEIVED BY	DATE	TIME
TAL METALS+HG	203467	Gardner	DCD	4/6/98	1350

INTERNAL CHAINS

CLIENT NAME: NYSDEC-B

SDG#0402 SUBMISSION: 9804-94 REC'D 04/03/98@1640

PARAMETERS	ORDER#	RELINQUISHED BY	RECEIVED BY	DATE	TIME
% SOLIDS	203459QC	TGardner	SPS	4/6/98	4/7/98 0815
	203460				
	203461				
	203462				
	203463				
	203464				
	203465				
	203466				
	203467				
	203468				
	203469				
	203470				
	203471				
	203472	SPS			

00025

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: 203473

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: 203473

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	1	J
117-84-0	Di-n-octyl phthalate	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

B081W1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: 203473

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO441.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 04/14/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)

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

CONCENTRATION UNITS:

Number TICs found: 12 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.84	29	JB
2. 000822-67-3	2-Cyclohexen-1-ol	4.35	8	JNAB
3. 000930-68-7	2-Cyclohexen-1-one	5.10	6	JNAB
4. 000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	9.50	5	JNAB
5.	unknown	10.33	5	JB
6.	unknown acid type	11.84	2	J
7.	unknown	13.54	3	J
8.	unknown acid type	17.17	8	JB
9.	unknown acid type	18.47	9	J
10.	unknown acid type	19.73	4	JB
11.	unknown	21.91	3	JB
12.	unknown	22.93	2	JB

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M1

Date Sampled : 04/02/98 Order #: 203459 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	36	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	68	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	72	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M2

Date Sampled : 04/02/98 Order #: 203460 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 78.7

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	220 U	UG/KG
PCB 1221	17	220 U	UG/KG
PCB 1232	17	220 U	UG/KG
PCB 1242	17	220 U	UG/KG
PCB 1248	17	220 U	UG/KG
PCB 1254	17	3600	UG/KG
PCB 1260	17	220 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	52	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	66	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M3

Date Sampled : 04/02/98 Order #: 203461 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/28/98			
ANALYTICAL DILUTION: 20.0			Dry Weight
PCB 1016	17	460 U	UG/KG
PCB 1221	17	460 U	UG/KG
PCB 1232	17	460 U	UG/KG
PCB 1242	17	460 U	UG/KG
PCB 1248	17	460 U	UG/KG
PCB 1254	17	5800	UG/KG
PCB 1260	17	460 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	67	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	81	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M4

Date Sampled : 04/02/98 Order #: 203462 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 43.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	390 U	UG/KG
PCB 1221	17	390 U	UG/KG
PCB 1232	17	390 U	UG/KG
PCB 1242	17	390 U	UG/KG
PCB 1248	17	390 U	UG/KG
PCB 1254	17	4100	UG/KG
PCB 1260	17	390 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	52	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	65	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M5

Date Sampled : 04/02/98 Order #: 203463 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 65.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 10.0			Dry Weight
PCB 1016	17	260 U	UG/KG
PCB 1221	17	260 U	UG/KG
PCB 1232	17	260 U	UG/KG
PCB 1242	17	260 U	UG/KG
PCB 1248	17	260 U	UG/KG
PCB 1254	17	800	UG/KG
PCB 1260	17	260 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	60	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	56	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M6

Date Sampled : 04/02/98 Order #: 203464 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 70.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	24 U	UG/KG
PCB 1221	17	24 U	UG/KG
PCB 1232	17	24 U	UG/KG
PCB 1242	17	24 U	UG/KG
PCB 1248	17	24 U	UG/KG
PCB 1254	17	110	UG/KG
PCB 1260	17	24 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	56	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	59	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M7

Date Sampled : 04/02/98 **Order #:** 203465 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 04/03/98 **Submission #:** 9804000094 **Percent Solid:** 79.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	21 U	UG/KG
PCB 1221	17	21 U	UG/KG
PCB 1232	17	21 U	UG/KG
PCB 1242	17	21 U	UG/KG
PCB 1248	17	21 U	UG/KG
PCB 1254	17	21 U	UG/KG
PCB 1260	17	49	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	72	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	80	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M8

Date Sampled : 04/02/98 Order #: 203466 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 80.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	21 U	UG/KG
PCB 1221	17	21 U	UG/KG
PCB 1232	17	21 U	UG/KG
PCB 1242	17	21 U	UG/KG
PCB 1248	17	21 U	UG/KG
PCB 1254	17	21 U	UG/KG
PCB 1260	17	91	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	76	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	90	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M9

Date Sampled : 04/02/98 **Order #:** 203467 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 04/03/98 **Submission #:** 9804000094 **Percent Solid:** 67.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	25 U	UG/KG
PCB 1221	17	25 U	UG/KG
PCB 1232	17	25 U	UG/KG
PCB 1242	17	25 U	UG/KG
PCB 1248	17	25 U	UG/KG
PCB 1254	17	25 U	UG/KG
PCB 1260	17	310	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	96	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	89	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 AM

Date Sampled : 04/02/98 Order #: 203468 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 72.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	110	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	23 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	71	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	70	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 BM

Date Sampled : 04/02/98 Order #: 203469 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 66.5

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	26 U	UG/KG
PCB 1221	17	26 U	UG/KG
PCB 1232	17	26 U	UG/KG
PCB 1242	17	26 U	UG/KG
PCB 1248	17	26 U	UG/KG
PCB 1254	17	26 U	UG/KG
PCB 1260	17	26 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	80	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	85	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 CM

Date Sampled : 04/02/98 Order #: 203470 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 73.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	23 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	66	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	71	%

00040

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 DM

Date Sampled : 04/02/98 **Order #:** 203471 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 04/03/98 **Submission #:** 9804000094 **Percent Solid:** 61.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	27 U	UG/KG
PCB 1221	17	27 U	UG/KG
PCB 1232	17	27 U	UG/KG
PCB 1242	17	27 U	UG/KG
PCB 1248	17	27 U	UG/KG
PCB 1254	17	94	UG/KG
PCB 1260	17	27 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	82	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	89	%

00041

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 EM

Date Sampled : 04/02/98 Order #: 203472 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #: 9804000094 Percent Solid: 75.1

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/23/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	100	UG/KG
PCB 1260	17	23 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	76	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	92	%

1D

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

BO81W1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: 203473

Sample wt/vol: 1000 (g/ml) ML Lab File ID: FN958.D

% Moisture: _____ decanted:(Y/N) N Date Received: 04/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/08/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-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
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
72-55-9	4,4'-DDE	0.10	U
60-57-1	Dieldrin	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
50-29-3	4,4'-DDT	0.10	U
7421-36-3	Endrin Aldehyde	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
8001-35-2	Toxaphene	5.0	U

COLUMBIA ANALYTICAL SERVICES

Reported: 05/11/98

NYS DEC - Region 9
Project Reference: 1 HOWELL ST.-RH998-SDG#0402
Client Sample ID : BO81 M9

Date Sampled : 04/02/98 Order #: 203467 Sample Matrix: SOIL/SEDIMENT
Date Received: 04/03/98 Submission #:9804000094

ANALYTE	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	ANALYTICAL DILUTION
METALS					
ALUMINUM	10.0	5850	MG/KG	04/22/98	1.0
ANTIMONY	6.00	8.84 U	MG/KG	04/22/98	1.0
ARSENIC	1.00	110	MG/KG	04/22/98	1.0
BARIUM	2.00	131	MG/KG	04/22/98	1.0
BERYLLIUM	0.500	0.736 U	MG/KG	04/22/98	1.0
CADMIUM	0.500	1.69	MG/KG	04/22/98	1.0
CALCIUM	50.0	4790	MG/KG	04/22/98	1.0
CHROMIUM	1.00	33.4	MG/KG	04/22/98	1.0
COBALT	5.00	12.9	MG/KG	04/22/98	1.0
COPPER	2.00	128	MG/KG	04/22/98	1.0
IRON	10.0	70800	MG/KG	04/30/98	1.0
LEAD	5.00	290	MG/KG	04/22/98	1.0
MAGNESIUM	50.0	1220	MG/KG	04/22/98	1.0
MANGANESE	1.00	651	MG/KG	05/06/98	1.0
MERCURY	0.150	0.242	MG/KG	04/17/98	1.0
NICKEL	4.00	39.3	MG/KG	04/22/98	1.0
POTASSIUM	200	1160	MG/KG	04/30/98	1.0
SELENIUM	0.500	1.23 S	MG/KG	05/01/98	1.0
SILVER	1.00	1.47 U	MG/KG	04/22/98	1.0
SODIUM	50.0	249	MG/KG	04/30/98	1.0
THALLIUM	1.00	1.47 U	MG/KG	04/22/98	1.0
VANADIUM	5.00	15.3	MG/KG	04/22/98	1.0
ZINC	1.00	305	MG/KG	05/06/98	1.0
WET CHEMISTRY					
PERCENT SOLIDS	1.0	67.9	%	04/08/98	1.0

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

	EPA SAMPLE NO.	S1 (2FP) #	S2 [PHL] #	S3 #	S4 #	S5 (NBZ) #	S6 (FBP) #	S7 #	S8 (TPH) #	TOT OUT
01	SBLK1	58	62	65	55	69	67	62	71	0
02	SBLK1MS	68	72	73	61	79	75	64	75	0
03	SBLK1MSD	42	55	57	46	61	59	49	61	0
04	B081W1	56	58	64	52	66	62	56	68	0

				QC LIMITS
S1	(2FP)	=	2-Fluorophenol	(21-110)
S2	[PHL]	=	Phenol-d6	(10-110)
S3		=	2-Chlorophenol-d4	(33-110)
S4		=	1,2-Dichlorobenzene-d4	(16-110)
S5	(NBZ)	=	Nitrobenzene-d5	(35-114)
S6	(FBP)	=	2-Fluorobiphenyl	(43-116)
S7		=	2,4,6-Tribromophenol	(10-123)
S8	(TPH)	=	Terphenyl-d14	(33-141)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

2E

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: _____ SDG No.: 0402

GC Column (1) : DB-1701 ID: 0.32 (mm) GC Column (2) : DB-17 ID: 0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	TOT OUT
01	PBLK1	74	61	81	88	0
02	PBLK1MS	65	55	81	87	0
03	PBLK1MSD	63	56	82	86	0
04	BO81W1	78	72	97	109	0

			ADVISORY QC LIMITS
TCX	=	Tetrachloro-m-xylene	(30-150)
DCB	=	Decachlorobiphenyl	(30-150)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix Spike - EPA Sample No.: SBLK1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
Phenol	75	0.0	52	69	12 - 110
2-Chlorophenol	75	0.0	48	64	27 - 123
1,4-Dichlorobenzene	50	0.0	31	62	36 - 97
N-Nitroso-Di-n-propylamine	50	0.0	27	54	41 - 116
1,2,4-Trichlorobenzene	50	0.0	34	68	39 - 98
4-Chloro-3-methylphenol	75	0.0	52	69	23 - 97
Acenaphthene	50	0.0	37	74	46 - 118
2,4-Dinitrotoluene	50	0.0	37	74	24 - 96
4-Nitrophenol	75	0.0	55	73	10 - 80
Pentachlorophenol	75	0.0	56	75	9 - 103
Pyrene	50	0.0	37	74	26 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	75	40	53	26	42	12 - 110
2-Chlorophenol	75	40	53	19	40	27 - 123
1,4-Dichlorobenzene	50	24	48	25	28	36 - 97
N-Nitroso-Di-n-propylamine	50	23	46	16	38	41 - 116
1,2,4-Trichlorobenzene	50	27	54	23	28	39 - 98
4-Chloro-3-methylphenol	75	39	52	28	42	23 - 97
Acenaphthene	50	29	58	24	31	46 - 118
2,4-Dinitrotoluene	50	28	56	28	38	24 - 96
4-Nitrophenol	75	44	59	21	50	10 - 80
Pentachlorophenol	75	43	57	27	50	9 - 103
Pyrene	50	30	60	21	31	26 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 11 outside limits

Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

_____

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1MS

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1MS

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO439.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	52	
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	48	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	31	
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	27	
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	34	
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	52	
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
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	37	
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	37	
100-02-7	4-Nitrophenol	55	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1MS

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1MS

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO439.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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	56	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	37	
85-68-7	Butyl benzyl phthalate	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	2	J
117-84-0	Di-n-octyl phthalate	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

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1MSD

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1MSD

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO440.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	40	
111-44-4	bis(-2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	40	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	24	
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	23	
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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	27	
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	39	
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
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	29	
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	28	
100-02-7	4-Nitrophenol	44	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLK1MSD

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1MSD

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO440.D

Level: (low/med) LOW Date Received:

% Moisture: decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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	43	
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	30	
85-68-7	Butyl benzyl phthalate	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	1	J
117-84-0	Di-n-octyl phthalate	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

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

SOIL/SEDIMENT

Spiked Order No. : 203459 NYS DEC - Region 9

Client ID: BO81 M1

Test: 95-3

Analytical Units: UG/KG

Run Number : 25564

Percent Solid : 73.3

			MATRIX SPIKE		MATRIX SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
PCB 1260	227	36	158	54	304	118	63	50	8 - 127

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

Project Reference:
Client Sample ID : MATRIX SPIKE

Date Sampled : 04/15/98 **Order #:** 205945 **Sample Matrix:** SOIL/SEDIMENT
Date Received: / / **Submission #:** 0 **Percent Solid:** 73.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	160	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	75	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	77	%

00053

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

Project Reference:
Client Sample ID : MATRIX SPIKE DUPLICATE

Date Sampled : 04/15/98 **Order #:** 205946 **Sample Matrix:** SOIL/SEDIMENT
Date Received: / / **Submission #:** 0 **Percent Solid:** 73.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/24/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	300	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	92	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	72	%

00054

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD: 95-3

LABORATORY REFERENCE SPIKE SUMMARY

REFERENCE ORDER #: 205944 ANALYTICAL RUN # : 25564

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 4/22/98			
ANALYTICAL DILUTION: 1.0			
PCB 1016	0.50	NA	50 - 114
PCB 1221	0.50	NA	15 - 178
PCB 1232	0.50	NA	15 - 178
PCB 1242	0.50	NA	39 - 150
PCB 1248	0.50	NA	38 - 158
PCB 1254	0.50	NA	29 - 131
PCB 1260	0.50	85	10 - 127

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

Project Reference:
Client Sample ID : Blank Spike.

Date Sampled : 04/15/98 **Order #:** 205944 **Sample Matrix:** SOIL/SEDIMENT
Date Received: / / **Submission #:** **Percent Solid:** 73.3

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	23 U	UG/KG
PCB 1221	17	23 U	UG/KG
PCB 1232	17	23 U	UG/KG
PCB 1242	17	23 U	UG/KG
PCB 1248	17	23 U	UG/KG
PCB 1254	17	23 U	UG/KG
PCB 1260	17	190	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	82	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	90	%

3E

WATER PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: _____ SDG No.: 0402

Matrix Spike - EPA Sample No.: PBLK1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.0	0.41	82	56 - 123
Heptachlor	0.50	0.0	0.30	60	40 - 131
Aldrin	0.50	0.0	0.27	54	40 - 120
Dieldrin	1.0	0.0	0.82	82	52 - 126
Endrin	1.0	0.0	0.94	94	56 - 121
4,4'-DDT	1.0	0.0	0.84	84	38 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	0.50	0.43	86	5	15	56 - 123
Heptachlor	0.50	0.31	62	3	20	40 - 131
Aldrin	0.50	0.29	58	7	22	40 - 120
Dieldrin	1.0	0.86	86	5	18	52 - 126
Endrin	1.0	0.97	97	3	21	56 - 121
4,4'-DDT	1.0	0.87	87	4	27	38 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 6 outside limits

Spike Recovery: 0 out of 12 outside limits

COMMENTS: _____

1D

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK1MS

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: PBLK1MS

Sample wt/vol: 1000 (g/ml) ML Lab File ID: FN956.D

% Moisture: decanted:(Y/N) N Date Received: 04/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/08/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.41	
76-44-8	Heptachlor	0.30	
309-00-2	Aldrin	0.27	
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
72-55-9	4,4'-DDE	0.10	U
60-57-1	Dieldrin	0.82	
72-20-8	Endrin	0.94	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
50-29-3	4,4'-DDT	0.84	
7421-36-3	Endrin Aldehyde	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
8001-35-2	Toxaphene	5.0	U

1D

EPA SAMPLE NO.

PESTICIDE ORGANICS ANALYSIS DATA SHEET

PBLK1MSD

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: PBLK1MSD

Sample wt/vol: 1000 (g/ml) ML Lab File ID: FN957.D

% Moisture: decanted:(Y/N) N Date Received: 04/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/08/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.43	
76-44-8	Heptachlor	0.31	
309-00-2	Aldrin	0.29	
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
72-55-9	4,4'-DDE	0.10	U
60-57-1	Dieldrin	0.86	
72-20-8	Endrin	0.97	
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
50-29-3	4,4'-DDT	0.87	
7421-36-3	Endrin Aldehyde	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
8001-35-2	Toxaphene	5.0	U

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: 9804000094
Client: NYS DEC - Region 9
1 HOWELL ST.-RH998-SDG#0402

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.150 U	3.33	3.18	105	58 - 142	25629	MG/KG
ALUMINUM	10.0 U	5260	5380	98	59 - 141	25758	MG/KG
ANTIMONY	6.00 U	35.9	34.4	104	2.9 - 290	25758	MG/KG
ARSENIC	1.00 U	69.8	60.2	116	74 - 126	25758	MG/KG
BARIUM	2.00 U	99.3	83.4	119	77 - 124	25758	MG/KG
BERYLLIUM	0.500 U	46.0	45.2	102	78 - 121	25758	MG/KG
CADMIUM	0.500 U	59.8	52.4	114	77 - 123	25758	MG/KG
CALCIUM	50.0 U	1810	1680	108	75 - 125	25758	MG/KG
CHROMIUM	1.00 U	100	88.2	113	80 - 120	25758	MG/KG
COBALT	5.00 U	52.8	46.9	113	80 - 120	25758	MG/KG

00060

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: 9804000094
Client: NYS DEC - Region 9
1 HOWELL ST.-RH998-SDG#0402

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MANGANESE	1.00 U	225	225	100	80 - 121	26173	MG/KG
ZINC	1.00 U	82.3	83.0	99	77 - 123	26173	MG/KG

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: 9804000094
Client: NYS DEC - Region 9
1 HOWELL ST.-RH998-SDG#0402

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
COPPER	2.00 U	121	108	112	82 - 118	25758	MG/KG
LEAD	5.00 U	89.7	75.1	119	76 - 124	25758	MG/KG
MAGNESIUM	50.0 U	1520	1360	112	76 - 124	25758	MG/KG
NICKEL	4.00 U	65.2	55.9	117	78 - 122	25758	MG/KG
SILVER	1.00 U	84.8	70.6	120	74 - 126	25758	MG/KG
THALLIUM	1.00 U	59.0	44.1	134	57 - 143	25758	MG/KG
VANADIUM	5.00 U	60.7	52.5	116	68 - 132	25758	MG/KG
IRON	10.0 U	10600	7760	137	37 - 162	25973	MG/KG
POTASSIUM	200 U	2260	2000	113	65 - 135	25973	MG/KG
SODIUM	50.0 U	944	837	113	68 - 133	25973	MG/KG

4B

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: SDG No.: 0402

Lab File ID: DO438.D Lab Sample ID: SBLK1

Instrument ID: MS #4 Date Extracted: 04/08/98

Matrix: (soil/water) WATER Date Analyzed: 04/14/98

Level: (low/med) LOW Time Analyzed: 14:52

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK1MS	SBLK1MS	DO439.D	04/14/98
02	SBLK1MSD	SBLK1MSD	DO440.D	04/14/98
03	B081W1	203473	DO441.D	04/14/98

COMMENTS:

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO438.D

Level: (low/med) LOW Date Received:

% Moisture: decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
95-48-7	2-Methylphenol	10	U
621-24-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
106-44-5	4-Methylphenol	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
208-96-8	Acenaphthylene	10	U
131-11-3	Dimethyl Phthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
83-32-9	Acenaphthene	10	U
99-09-2	3-Nitroaniline	25	U
51-28-5	2,4-Dinitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
100-02-7	4-Nitrophenol	25	U

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO438.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 04/08/98

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/14/98

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
84-66-2	Diethylphthalate	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	2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	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	2	J
117-84-0	Di-n-octyl phthalate	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

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET EPA SAMPLE NO.

TENTATIVELY IDENTIFIED COMPOUNDS

SBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: SBLK1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: DO438.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N) N Date Analyzed: 04/14/98

Concentrated Extract Volume: 1000 (uL) Dilution Factor: 1.0

Injection Volume: 2.0 (uL) Soil Aliquot Volume: 2 (uL)

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	unknown	3.84	29	J
2. 000822-67-3	2-Cyclohexen-1-ol	4.35	8	JNA
3. 000930-68-7	2-Cyclohexen-1-one	5.11	5	JNA
4. 000931-17-9	1,2-Cyclohexanediol	7.39	3	JNA
5. 000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	9.50	3	JN
6.	unknown	10.33	4	J
7.	unknown acid type	17.14	2	J
8.	unknown acid type	19.73	8	J
9.	unknown	21.91	3	J
10.	unknown	22.92	5	J

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: _____ SDG No.: 0402

Lab File ID (Standard): DO434.D Date Analyzed: 04/14/98

Instrument ID: MS #4 Time Analyzed: 12:13

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	42718		6.37		163739		9.37		93880		13.34	
	UPPER LIMIT	85436		6.87		327478		9.87		187760		13.84	
	LOWER LIMIT	21359		5.87		81870		8.87		46940		12.84	
	EPA SAMPLE NO.												
01	SBLK1	40577		6.36		154897		9.36		92389		13.33	
02	SBLK1MS	40171		6.37		156634		9.37		90312		13.34	
03	SBLK1MSD	39526		6.37		147357		9.37		84661		13.34	
04	B081W1	41840		6.37		162653		9.36		97313		13.34	

IS1 (DCB) = d4-1,4-Dichlorobenzene
IS2 (NPT) = d8-Naphthalene
IS3 (ANT) = d10-Acenaphthene
IS4 (PHN) = d10-Phenanthrene
IS5 (CRY) = d12-Chrysene
IS6 (PRY) = d12-Perylene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: RH998 SAS No.: SDG No.: 0402

Lab File ID (Standard): DO434.D Date Analyzed: 04/14/98

Instrument ID: MS #4 Time Analyzed: 12:13

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	183607	16.03	168722	20.57	176424	22.83
	UPPER LIMIT	367214	16.53	337444	21.07	352848	23.33
	LOWER LIMIT	91804	15.53	84361	20.07	88212	22.33
	EPA SAMPLE NO.						
01	SBLK1	172342	16.02	160078	20.56	156497	22.81
02	SBLK1MS	164472	16.02	150249	20.56	147676	22.81
03	SBLK1MSD	154203	16.03	135185	20.56	125024	22.81
04	B081W1	178799	16.03	143192	20.57	119086	22.81

IS1 (DCB) = d4-1,4-Dichlorobenzene
IS2 (NPT) = d8-Naphthalene
IS3 (ANT) = d10-Acenaphthene
IS4 (PHN) = d10-Phenanthrene
IS5 (CRY) = d12-Chrysene
IS6 (PRY) = d12-Perylene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

METHOD BLANK SUMMARY
PCBS by 8080

Lab Name:	Columbia Analytical Services		Contract:	GE	
Lab Code:	10145	Case No.:	SAS No.:	SDG No.:	0402
Lab Sample ID.:	205943		Lab File ID:	FN608	
Matrix: (soil/water):	SOIL		Level: (low/med)	LOW	
Date Extracted:	4/8/98		Extraction: (Sepf/Cont/Sonc)	Conc	
Date Analyzed: (1)	4/22/98		Date Analyzed: (2)	NA	
Time Analyzed: (1)	15:29		Time Analyzed: (2)	NA	
Instument ID: (1)	HP5890-F		Instument ID: (2)	NA	
GC Column ID: (1)	DB-1701		GC Column ID: (2)	NA	

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1		203459	4/24/98	
2		203459MS	4/22/98	
3		203459MS	4/24/98	
4		203459MSD	4/24/98	
5		203460	4/24/98	
6		203461	4/28/98	
7		203462	4/24/98	
8		203463	4/24/98	
9		203464	4/22/98	
10		203465	4/22/98	
11		203466	4/22/98	
12		203467	4/23/98	
13		203468	4/24/98	
14		203469	4/23/98	
15		203470	4/23/98	
16		203471	4/23/98	
17		203472	4/23/98	
18				
19				
20				
21				
22				
23				
24				
25				

COMMENTS:

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 95-3
Reported: 05/11/98

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 205943
Submission #:
Sample Matrix: SOIL/SEDIMENT
Percent Solid: 100

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/08/98			
DATE ANALYZED : 04/22/98			
ANALYTICAL DILUTION: 1.0			Dry Weight
PCB 1016	17	17 U	UG/KG
PCB 1221	17	17 U	UG/KG
PCB 1232	17	17 U	UG/KG
PCB 1242	17	17 U	UG/KG
PCB 1248	17	17 U	UG/KG
PCB 1254	17	17 U	UG/KG
PCB 1260	17	17 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(30 - 150 %)	91	%
TETRACHLORO-META-XYLENE	(30 - 150 %)	97	%

00070

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: _____ SDG No.: 0402

Lab Sample ID: PBLK1 Lab File ID: FN955.D

Matrix: (soil/water) WATER Extraction: (SepF/Cont/Sonc) SEPF

Sulfur Cleanup: (Y/N) Y Date Extracted: 04/08/98

Date Analyzed (1): 05/13/98 Date Analyzed (2): 05/13/98

Time Analyzed (1): 1932 Time Analyzed (2): 1932

Instrument ID (1): HP5890-F Instrument ID (2): HP5890-F

GC Column (1): DB-1701 ID: 0.32 (mm) GC Column (2): DB-17 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	PBLK1MS	PBLK1MS	05/13/98	05/13/98
02	PBLK1MSD	PBLK1MSD	05/13/98	05/13/98
03	BO81W1	203473	05/13/98	05/13/98

COMMENTS:

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK1

Lab Name: Columbia Analytical Services Contract: NYSDEC

Lab Code: 10145 Case No.: 9804-094 SAS No.: SDG No.: 0402

Matrix: (soil/water) WATER Lab Sample ID: PBLK1

Sample wt/vol: 1000 (g/ml) ML Lab File ID: FN955.D

% Moisture: decanted:(Y/N) N Date Received: 04/03/98

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 04/08/98

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/13/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-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
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
1024-57-3	Heptachlor Epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
5103-71-9	alpha-Chlordane	0.050	U
72-55-9	4,4'-DDE	0.10	U
60-57-1	Dieldrin	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
50-29-3	4,4'-DDT	0.10	U
7421-36-3	Endrin Aldehyde	0.10	U
1031-07-8	Endosulfan Sulfate	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U
8001-35-2	Toxaphene	5.0	U

3

BLANKS

Lab Name: COLUMBIA ANALYTICAL Contract: NYS DEC

Lab Code: 10145 Case No.: SAS No.: SDG No.: NY0402

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

	Initial Calib. Blank		Continuing Calibration Blank (ug/L)						Prepa-ration Blank		
Analyte	(ug/L)	C	1	C	2	C	3	C		C	M
Aluminum	100.0	U	100.0	U	100.0	U	100.0	U	20.000	U	P
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	12.000	U	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Barium	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Beryllium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Calcium	500.0	U	500.0	U	500.0	U	500.0	U	100.000	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	10.000	U	P
Copper	20.0	U	20.0	U	20.0	U	20.0	U	4.000	U	P
Iron	100.0	U	100.0	U	100.0	U	100.0	U	20.000	U	P
Lead	50.0	U	50.0	U	50.0	U	50.0	U	10.000	U	P
Magnesium	500.0	U	500.0	U	500.0	U	500.0	U	100.000	U	P
Manganese	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Mercury	0.3	U	0.3	U	0.3	U	0.3	U	0.150	U	CV
Nickel	40.0	U	40.0	U	40.0	U	40.0	U	8.000	U	P
Potassium	2000.0	U	2000.0	U	2000.0	U	2000.0	U	400.000	U	P
Selenium	5.0	U	5.0	U	5.0	U					F
Silver	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Sodium	500.0	U	500.0	U	500.0	U	500.0	U	100.000	U	P
Thallium	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Vanadium	50.0	U	50.0	U	50.0	U	50.0	U	10.000	U	P
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	2.000	U	P
Cyanide											

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BLANKS

Lab Name: COLUMBIA ANALYTICAL Contract: NYS DEC

Lab Code: 10145 Case No.: SAS No.: SDG No.: NY0402

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron			100.0	U							P
Lead											
Magnesium											
Manganese			10.0	U							P
Mercury			0.3	U							CV
Nickel											
Potassium			2000.0	U							P
Selenium											
Silver											
Sodium			500.0	U							P
Thallium											
Vanadium											
Zinc			10.0	U							P
Cyanide											