analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Mr. Jack McKenna
Hydroterra
272 1/2 Dover Point Road
Dover NH 03820

Report Number: 65185

Revision: Rev. 0

Re: OYSTER RIVER

Enclosed are the results of the analyses on your sample(s). Samples were received on 03 November 2009 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. These results pertain to samples as received by the laboratory and for the analytical tests requested on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
65185-1	10/31/09	SED 1	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 1	EPA 8260 Volatile Organics	
	10/31/09	SED 1	EPA 8270 (PAH only)	
	10/31/09	SED 1	RCRA Metals	
	10/31/09	SED 1	Subcontract	
65185-2	10/31/09	SED 2	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 2	EPA 8260 Volatile Organics	
	10/31/09	SED 2	EPA 8270 (PAH only)	
	10/31/09	SED 2	RCRA Metals	
	10/31/09	SED 2	Subcontract	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Maryland, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 11/17/09

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Lab Number	Sample Date	Station Location	Analysis	Comments
65185-3	10/31/09	SED 3	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 3	EPA 8260 Volatile Organics	
	10/31/09	SED 3	EPA 8270 (PAH only)	
	10/31/09	SED 3	RCRA Metals	
	10/31/09	SED 3	Subcontract	
65185-4	10/31/09	SED 4	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 4	EPA 8260 Volatile Organics	
	10/31/09	SED 4	EPA 8270 (PAH only)	
	10/31/09	SED 4	RCRA Metals	
	10/31/09	SED 4	Subcontract	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
65185-5	10/31/09	SED 5	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 5	EPA 8260 Volatile Organics	
	10/31/09	SED 5	EPA 8270 (PAH only)	
	10/31/09	SED 5	RCRA Metals	
65185-6	10/31/09	SED 6	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 6	EPA 8260 Volatile Organics	
	10/31/09	SED 6	EPA 8270 (PAH only)	
	10/31/09	SED 6	RCRA Metals	
	10/31/09	SED 6	Subcontract	
65185-7	10/31/09	SED 7	EPA 8081/8082 Pesticides and PCBs	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
	10/31/09	SED 7	EPA 8260 Volatile Organics	
	10/31/09	SED 7	EPA 8270 (PAH only)	
	10/31/09	SED 7	RCRA Metals	
65185-8	10/31/09	SED 8	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 8	EPA 8260 Volatile Organics	
	10/31/09	SED 8	EPA 8270 (PAH only)	
	10/31/09	SED 8	RCRA Metals	
	10/31/09	SED 8	Subcontract	
65185-9	10/31/09	SED 9	EPA 8081/8082 Pesticides and PCBs	
	10/31/09	SED 9	EPA 8260 Volatile Organics	
	10/31/09	SED 9	EPA 8270 (PAH only)	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
	10/31/09	SED 9	RCRA Metals	
	10/31/09	SED 9	Subcontract	
65185-10	10/31/09	SED 7 0-1	Subcontract	
65185-11	10/31/09	SED 7 1-2	Subcontract	
65185-12	11/02/09	SED 10A	EPA 8081/8082 Pesticides and PCBs	
	11/02/09	SED 10A	EPA 8270 (PAH only)	
	11/02/09	SED 10A	RCRA Metals	
65185-13	11/02/09	SED 10B	EPA 8081/8082 Pesticides and PCBs	
	11/02/09	SED 10B	EPA 8270 (PAH only)	
	11/02/09	SED 10B	RCRA Metals	

Sample Receipt Exceptions: None

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Lab Number	Sample Date	Station Location	Analysis	Comments
65185-14	11/02/09	SED 11A	EPA 8081/8082 Pesticides and PCBs	
	11/02/09	SED 11A	EPA 8260 Volatile Organics	
	11/02/09	SED 11A	EPA 8270 (PAH only)	
	11/02/09	SED 11A	RCRA Metals	
65185-15	11/02/09	SED 11B	EPA 8081/8082 Pesticides and PCBs	
	11/02/09	SED 11B	EPA 8260 Volatile Organics	
	11/02/09	SED 11B	EPA 8270 (PAH only)	
	11/02/09	SED 11B	RCRA Metals	
65185-16	11/02/09	SED 12	EPA 8081/8082 Pesticides and PCBs	
	11/02/09	SED 12	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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Authorized signature Melina Lillie for
Stephen L. Knollmeyer Lab. Director

Date 11/17/09

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Lab Number	Sample Date	Station Location	Analysis	Comments
	11/02/09	SED 12	EPA 8270 (PAH only)	
	11/02/09	SED 12	RCRA Metals	
	11/02/09	SED 12	Subcontract	
65185-17	11/02/09	SED 10	EPA 8260 Volatile Organics	
	11/02/09	SED 10	Subcontract	
65185-18	11/02/09	SED 11	Subcontract	
65185-19	10/31/09-11/02/09	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

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Mr. Jack McKenna
Hydroterra
272 1/2 Dover Point Road
Dover NH 03820

November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-1
Matrix: Solid
Percent Solid: 58
Dilution Factor: 164
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 1

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	164	U	1,3-Dichloropropane	164	U
Bromobenzene	164	U	cis-1,3-Dichloropropene	164	U
Bromochloromethane	164	U	trans-1,3-Dichloropropene	164	U
Bromodichloromethane	123	U	2,2-Dichloropropane	164	U
Bromoform	123	U	1,1-Dichloropropene	164	U
Bromomethane	164	U	Ethylbenzene	164	U
n-butylbenzene	164	U	Hexachlorobutadiene	164	U
sec-butylbenzene	164	U	Isopropylbenzene	164	U
tert-butylbenzene	164	U	p-isopropyltoluene	164	U
Carbon Tetrachloride	164	U	Methylene Chloride	822	U
Chlorobenzene	164	U	Methyl-tert-butyl ether (MTBE)	123	U
Chloroethane	164	U	Naphthalene	164	U
Chloroform	123	U	n-Propylbenzene	164	U
Chloromethane	164	U	Styrene	164	U
2-Chlorotoluene	164	U	1,1,1,2-Tetrachloroethane	164	U
4-Chlorotoluene	164	U	1,1,2,2-Tetrachloroethane	123	U
Dibromochloromethane	123	U	Tetrachloroethene	164	U
1,2-Dibromo-3-chloropropane	164	U	Toluene	164	U
1,2-Dibromoethane	123	U	1,2,3-Trichlorobenzene	164	U
Dibromomethane	164	U	1,2,4-Trichlorobenzene	164	U
1,2-Dichlorobenzene	164	U	1,1,1-Trichloroethane	164	U
1,3-Dichlorobenzene	164	U	1,1,2-Trichloroethane	123	U
1,4-Dichlorobenzene	164	U	Trichloroethene	164	U
Dichlorodifluoromethane	164	U	Trichlorofluoromethane	164	U
1,1-Dichloroethane	164	U	1,2,3-Trichloropropane	164	U
1,2-Dichloroethane	123	U	1,2,4-Trimethylbenzene	164	U
1,1-Dichloroethene	123	U	1,3,5-Trimethylbenzene	164	U
cis-1,2-Dichloroethene	164	U	Vinyl Chloride	164	U
trans-1,2-Dichloroethene	164	U	o-Xylene	164	U
1,2-Dichloropropane	123	U	m,p-Xylene	164	U
Acetone	1640	U	Diethyl ether	164	U
Carbon Disulfide	164	U	2-Hexanone	1640	U
Tetrahydrofuran	822	U	Methyl isobutyl ketone	1640	U
Methyl ethyl ketone	1640	U	Di-isopropyl ether (DIPE)	164	U
t-Butyl alcohol (TBA)	3290	U	Ethyl t-butyl ether (ETBE)	164	U
t-Amyl methyl ether (TAME)	164	U	1,3,5-Trichlorobenzene	164	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	72 %	d8-Toluene	77 %	Bromofluorobenzene	77 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

8260 2009 (3):Res(72):Rec(3)

Authorized signature

analytics environmental laboratory LLC

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800-929-9906

Mr. Jack McKenna
Hydroterra
272 1/2 Dover Point Road
Dover NH 03820

November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-1
Matrix:	Solid
Percent Solid:	58
Dilution Factor:	2.5
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 1

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	640	U
Acenaphthylene	640	U
Acenaphthene	640	U
Fluorene	640	U
Phenanthrene	640	U
Anthracene	640	U
Fluoranthene	640	U
Pyrene	640	U
Benzo[a]anthracene	640	U
Chrysene	640	U
Benzo[b] fluoranthene	640	U
Benzo[k] fluoranthene	640	U
Benzo[a] pyrene	640	U
Dibenz [a,h] anthracene	640	U
Benzo(g,h,i) perylene	640	U
Indeno [1,2,3-cd] pyrene	640	U
2-Methylnaphthalene	640	U

Surrogate Standard Recovery

d5-nitrobenzene	58 %	2-Fluorobiphenyl	61 %	d14-p-terphenyl	85 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

PAH Report

analytics environmental laboratory LLC

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Portsmouth, New Hampshire 03801
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800-929-9906

Mr. Jack McKenna
Hydroterra
272 1/2 Dover Point Road
Dover NH 03820

November 18, 2009

SAMPLE DATA

Lab Sample ID: 65185-1
Matrix: Solid
Percent Solid: 58
Dilution Factor: 1.7
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 1

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	17	U	Endrin Ketone	17	U
a-BHC	17	U	Heptachlor	17	U
b-BHC	17	U	Heptachlor Epoxide	17	U
d-BHC	17	U	Methoxychlor	26	U
g-BHC	17	U	Chlordane (n.o.s)	56	U
4,4'-DDD	17	U	Toxaphene	110	U
4,4'-DDE	17	U	PCB-1016	26	U
4,4'-DDT	17	U	PCB-1221	26	U
Dieldrin	17	U	PCB-1232	26	U
Endosulfan I	17	U	PCB-1242	26	U
Endosulfan II	17	U	PCB-1248	26	U
Endosulfan Sulfate	17	U	PCB-1254	26	U
Endrin	17	U	PCB-1260	26	U
Endrin Aldehyde	17	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	73	%
Decachlorobiphenyl	66	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

Authorized signature

608/8081/8082

analytics environmental laboratory LLC

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800-929-9906

Mr. Jack McKenna
Hydroterra
272 1/2 Dover Point Road
Dover NH 03820

November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-2
Matrix: Soil
Percent Solid: 54
Dilution Factor: 185
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 2

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	185	U	1,3-Dichloropropane	185	U
Bromobenzene	185	U	cis-1,3-Dichloropropene	185	U
Bromochloromethane	185	U	trans-1,3-Dichloropropene	185	U
Bromodichloromethane	139	U	2,2-Dichloropropane	185	U
Bromoform	139	U	1,1-Dichloropropene	185	U
Bromomethane	185	U	Ethylbenzene	185	U
n-butylbenzene	185	U	Hexachlorobutadiene	185	U
sec-butylbenzene	185	U	Isopropylbenzene	185	U
tert-butylbenzene	185	U	p-isopropyltoluene	185	U
Carbon Tetrachloride	185	U	Methylene Chloride	924	U
Chlorobenzene	185	U	Methyl-tert-butyl ether (MTBE)	139	U
Chloroethane	185	U	Naphthalene	185	U
Chloroform	139	U	n-Propylbenzene	185	U
Chloromethane	185	U	Styrene	185	U
2-Chlorotoluene	185	U	1,1,1,2-Tetrachloroethane	185	U
4-Chlorotoluene	185	U	1,1,2,2-Tetrachloroethane	139	U
Dibromochloromethane	139	U	Tetrachloroethene	185	U
1,2-Dibromo-3-chloropropane	185	U	Toluene	185	U
1,2-Dibromoethane	139	U	1,2,3-Trichlorobenzene	185	U
Dibromomethane	185	U	1,2,4-Trichlorobenzene	185	U
1,2-Dichlorobenzene	185	U	1,1,1-Trichloroethane	185	U
1,3-Dichlorobenzene	185	U	1,1,2-Trichloroethane	139	U
1,4-Dichlorobenzene	185	U	Trichloroethene	185	U
Dichlorodifluoromethane	185	U	Trichlorofluoromethane	185	U
1,1-Dichloroethane	185	U	1,2,3-Trichloropropane	185	U
1,2-Dichloroethane	139	U	1,2,4-Trimethylbenzene	185	U
1,1-Dichloroethene	139	U	1,3,5-Trimethylbenzene	185	U
cis-1,2-Dichloroethene	185	U	Vinyl Chloride	185	U
trans-1,2-Dichloroethene	185	U	o-Xylene	185	U
1,2-Dichloropropane	139	U	m,p-Xylene	185	U
Acetone	1850	U	Diethyl ether	185	U
Carbon Disulfide	185	U	2-Hexanone	1850	U
Tetrahydrofuran	924	U	Methyl isobutyl ketone	1850	U
Methyl ethyl ketone	1850	U	Di-isopropyl ether (DIPE)	185	U
t-Butyl alcohol (TBA)	3700	U	Ethyl t-butyl ether (ETBE)	185	U
t-Amyl methyl ether (TAME)	185	U	1,3,5-Trichlorobenzene	185	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	65 * %	d8-Toluene	64 * %	Bromofluorobenzene	60 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

8260 2009 (3):Res(72):Rec(3)

Authorized signature

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Hydroterra
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Dover NH 03820

November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-2
Matrix: Soil
Percent Solid: 54
Dilution Factor: 2.8
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/06/09
Analysis Date: 11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 2

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	700	U
Acenaphthylene	700	U
Acenaphthene	700	U
Fluorene	700	U
Phenanthrene	700	**847**
Anthracene	700	U
Fluoranthene	700	**1530**
Pyrene	700	**1330**
Benzo[a]anthracene	700	**583 J**
Chrysene	700	**798**
Benzo[b] fluoranthene	700	**1060**
Benzo[k] fluoranthene	700	U
Benzo[a] pyrene	700	**661 J**
Dibenz [a,h] anthracene	700	U
Benzo(g,h,i) perylene	700	**453 J**
Indeno [1,2,3-cd] pyrene	700	**698 J**
2-Methylnaphthalene	700	U

Surrogate Standard Recovery

d5-nitrobenzene	52 %	2-Fluorobiphenyl	56 %	d14-p-terphenyl	81 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 2

Lab Sample ID: 65185-2
Matrix: Soil
Percent Solid: 54
Dilution Factor: 18
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	180	U	Endrin Ketone	180	U
a-BHC	180	U	Heptachlor	180	U
b-BHC	180	U	Heptachlor Epoxide	180	U
d-BHC	180	U	Methoxychlor	270	U
g-BHC	180	U	Chlordane (n.o.s)	590	U
4,4'-DDD	180	U	Toxaphene	1190	U
4,4'-DDE	180	U	PCB-1016	270	U
4,4'-DDT	180	U	PCB-1221	270	U
Dieldrin	180	U	PCB-1232	270	U
Endosulfan I	180	U	PCB-1242	270	U
Endosulfan II	180	U	PCB-1248	270	U
Endosulfan Sulfate	180	U	PCB-1254	270	U
Endrin	180	U	PCB-1260	270	U
Endrin Aldehyde	180	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	67	%
Decachlorobiphenyl	80	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-3
Matrix: Soil
Percent Solid: 49
Dilution Factor: 196
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 3

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	196	U	1,3-Dichloropropane	196	U
Bromobenzene	196	U	cis-1,3-Dichloropropene	196	U
Bromochloromethane	196	U	trans-1,3-Dichloropropene	196	U
Bromodichloromethane	147	U	2,2-Dichloropropane	196	U
Bromoform	147	U	1,1-Dichloropropene	196	U
Bromomethane	196	U	Ethylbenzene	196	U
n-butylbenzene	196	U	Hexachlorobutadiene	196	U
sec-butylbenzene	196	U	Isopropylbenzene	196	U
tert-butylbenzene	196	U	p-isopropyltoluene	196	U
Carbon Tetrachloride	196	U	Methylene Chloride	982	U
Chlorobenzene	196	U	Methyl-tert-butyl ether (MTBE)	147	U
Chloroethane	196	U	Naphthalene	196	U
Chloroform	147	U	n-Propylbenzene	196	U
Chloromethane	196	U	Styrene	196	U
2-Chlorotoluene	196	U	1,1,1,2-Tetrachloroethane	196	U
4-Chlorotoluene	196	U	1,1,2,2-Tetrachloroethane	147	U
Dibromochloromethane	147	U	Tetrachloroethene	196	U
1,2-Dibromo-3-chloropropane	196	U	Toluene	196	U
1,2-Dibromoethane	147	U	1,2,3-Trichlorobenzene	196	U
Dibromomethane	196	U	1,2,4-Trichlorobenzene	196	U
1,2-Dichlorobenzene	196	U	1,1,1-Trichloroethane	196	U
1,3-Dichlorobenzene	196	U	1,1,2-Trichloroethane	147	U
1,4-Dichlorobenzene	196	U	Trichloroethene	196	U
Dichlorodifluoromethane	196	U	Trichlorofluoromethane	196	U
1,1-Dichloroethane	196	U	1,2,3-Trichloropropane	196	U
1,2-Dichloroethane	147	U	1,2,4-Trimethylbenzene	196	U
1,1-Dichloroethene	147	U	1,3,5-Trimethylbenzene	196	U
cis-1,2-Dichloroethene	196	U	Vinyl Chloride	196	U
trans-1,2-Dichloroethene	196	U	o-Xylene	196	U
1,2-Dichloropropane	147	U	m,p-Xylene	196	U
Acetone	1960	U	Diethyl ether	196	U
Carbon Disulfide	196	U	2-Hexanone	1960	U
Tetrahydrofuran	982	U	Methyl isobutyl ketone	1960	U
Methyl ethyl ketone	1960	U	Di-isopropyl ether (DIPE)	196	U
t-Butyl alcohol (TBA)	3930	U	Ethyl t-butyl ether (ETBE)	196	U
t-Amyl methyl ether (TAME)	196	U	1,3,5-Trichlorobenzene	196	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	64 * %	d8-Toluene	67 * %	Bromofluorobenzene	63 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.
Sample collection and analysis in accordance with SW-846 method 5035A.

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-3
Matrix:	Soil
Percent Solid:	49
Dilution Factor:	2.9
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 3

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	720	U
Acenaphthylene	720	U
Acenaphthene	720	U
Fluorene	720	U
Phenanthrene	720	**1110**
Anthracene	720	U
Fluoranthene	720	**2210**
Pyrene	720	**1970**
Benzo[a]anthracene	720	**910**
Chrysene	720	**1140**
Benzo[b] fluoranthene	720	**1540**
Benzo[k] fluoranthene	720	**434 J**
Benzo[a] pyrene	720	**992**
Dibenz [a,h] anthracene	720	**437 J**
Benzo(g,h,i) perylene	720	**617 J**
Indeno [1,2,3-cd] pyrene	720	**901**
2-Methylnaphthalene	720	U

Surrogate Standard Recovery

d5-nitrobenzene	56 %	2-Fluorobiphenyl	58 %	d14-p-terphenyl	82 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 3

Lab Sample ID: 65185-3
Matrix: Soil
Percent Solid: 49
Dilution Factor: 20
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	200	U	Endrin Ketone	200	U
a-BHC	200	U	Heptachlor	200	U
b-BHC	200	U	Heptachlor Epoxide	200	U
d-BHC	200	U	Methoxychlor	300	U
g-BHC	200	U	Chlordane (n.o.s)	660	U
4,4'-DDD	200	U	Toxaphene	1320	U
4,4'-DDE	200	U	PCB-1016	300	U
4,4'-DDT	200	U	PCB-1221	300	U
Dieldrin	200	U	PCB-1232	300	U
Endosulfan I	200	U	PCB-1242	300	U
Endosulfan II	200	U	PCB-1248	300	U
Endosulfan Sulfate	200	U	PCB-1254	300	U
Endrin	200	U	PCB-1260	300	U
Endrin Aldehyde	200	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	66	%
Decachlorobiphenyl	77	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-4
Matrix: Soil
Percent Solid: 34
Dilution Factor: 291
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 4

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	291	U	1,3-Dichloropropane	291	U
Bromobenzene	291	U	cis-1,3-Dichloropropene	291	U
Bromochloromethane	291	U	trans-1,3-Dichloropropene	291	U
Bromodichloromethane	219	U	2,2-Dichloropropane	291	U
Bromoform	219	U	1,1-Dichloropropene	291	U
Bromomethane	291	U	Ethylbenzene	291	U
n-butylbenzene	291	U	Hexachlorobutadiene	291	U
sec-butylbenzene	291	U	Isopropylbenzene	291	U
tert-butylbenzene	291	U	p-isopropyltoluene	291	U
Carbon Tetrachloride	291	U	Methylene Chloride	1460	U
Chlorobenzene	291	U	Methyl-tert-butyl ether (MTBE)	219	U
Chloroethane	291	U	Naphthalene	291	U
Chloroform	219	U	n-Propylbenzene	291	U
Chloromethane	291	U	Styrene	291	U
2-Chlorotoluene	291	U	1,1,1,2-Tetrachloroethane	291	U
4-Chlorotoluene	291	U	1,1,2,2-Tetrachloroethane	219	U
Dibromochloromethane	219	U	Tetrachloroethene	291	U
1,2-Dibromo-3-chloropropane	291	U	Toluene	291	U
1,2-Dibromoethane	219	U	1,2,3-Trichlorobenzene	291	U
Dibromomethane	291	U	1,2,4-Trichlorobenzene	291	U
1,2-Dichlorobenzene	291	U	1,1,1-Trichloroethane	291	U
1,3-Dichlorobenzene	291	U	1,1,2-Trichloroethane	219	U
1,4-Dichlorobenzene	291	U	Trichloroethene	291	U
Dichlorodifluoromethane	291	U	Trichlorofluoromethane	291	U
1,1-Dichloroethane	291	U	1,2,3-Trichloropropane	291	U
1,2-Dichloroethane	219	U	1,2,4-Trimethylbenzene	291	U
1,1-Dichloroethene	219	U	1,3,5-Trimethylbenzene	291	U
cis-1,2-Dichloroethene	291	U	Vinyl Chloride	291	U
trans-1,2-Dichloroethene	291	U	o-Xylene	291	U
1,2-Dichloropropane	219	U	m,p-Xylene	291	U
Acetone	2910	U	Diethyl ether	291	U
Carbon Disulfide	291	U	2-Hexanone	2910	U
Tetrahydrofuran	1460	U	Methyl isobutyl ketone	2910	U
Methyl ethyl ketone	2910	U	Di-isopropyl ether (DIPE)	291	U
t-Butyl alcohol (TBA)	5830	U	Ethyl t-butyl ether (ETBE)	291	U
t-Amyl methyl ether (TAME)	291	U	1,3,5-Trichlorobenzene	291	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	58 * %	d8-Toluene	56 * %	Bromofluorobenzene	56 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-4
Matrix:	Soil
Percent Solid:	34
Dilution Factor:	4.2
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 4

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	1100	U
Acenaphthylene	1100	U
Acenaphthene	1100	U
Fluorene	1100	U
Phenanthrene	1100	U
Anthracene	1100	U
Fluoranthene	1100	**639 J**
Pyrene	1100	**588 J**
Benzo[a]anthracene	1100	U
Chrysene	1100	U
Benzo[b] fluoranthene	1100	U
Benzo[k] fluoranthene	1100	U
Benzo[a] pyrene	1100	U
Dibenz [a,h] anthracene	1100	U
Benzo(g,h,i) perylene	1100	U
Indeno [1,2,3-cd] pyrene	1100	**602 J**
2-Methylnaphthalene	1100	U

Surrogate Standard Recovery

d5-nitrobenzene	47 %	2-Fluorobiphenyl	45 %	d14-p-terphenyl	76 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 4

Lab Sample ID: 65185-4
Matrix: Soil
Percent Solid: 34
Dilution Factor: 2.8
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	28	U	Endrin Ketone	28	U
a-BHC	28	U	Heptachlor	28	U
b-BHC	28	U	Heptachlor Epoxide	28	U
d-BHC	28	U	Methoxychlor	42	U
g-BHC	28	U	Chlordane (n.o.s)	92	U
4,4'-DDD	28	U	Toxaphene	180	U
4,4'-DDE	28	U	PCB-1016	42	U
4,4'-DDT	28	U	PCB-1221	42	U
Dieldrin	28	U	PCB-1232	42	U
Endosulfan I	28	U	PCB-1242	42	U
Endosulfan II	28	U	PCB-1248	42	U
Endosulfan Sulfate	28	U	PCB-1254	42	U
Endrin	28	U	PCB-1260	42	U
Endrin Aldehyde	28	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	66	%
Decachlorobiphenyl	55	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-5
Matrix: Soil
Percent Solid: 46
Dilution Factor: 215
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 5

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	215	U	1,3-Dichloropropane	215	U
Bromobenzene	215	U	cis-1,3-Dichloropropene	215	U
Bromochloromethane	215	U	trans-1,3-Dichloropropene	215	U
Bromodichloromethane	161	U	2,2-Dichloropropane	215	U
Bromoform	161	U	1,1-Dichloropropene	215	U
Bromomethane	215	U	Ethylbenzene	215	U
n-butylbenzene	215	U	Hexachlorobutadiene	215	U
sec-butylbenzene	215	U	Isopropylbenzene	215	U
tert-butylbenzene	215	U	p-isopropyltoluene	215	U
Carbon Tetrachloride	215	U	Methylene Chloride	1080	U
Chlorobenzene	215	U	Methyl-tert-butyl ether (MTBE)	161	U
Chloroethane	215	U	Naphthalene	215	U
Chloroform	161	U	n-Propylbenzene	215	U
Chloromethane	215	U	Styrene	215	U
2-Chlorotoluene	215	U	1,1,1,2-Tetrachloroethane	215	U
4-Chlorotoluene	215	U	1,1,2,2-Tetrachloroethane	161	U
Dibromochloromethane	161	U	Tetrachloroethene	215	U
1,2-Dibromo-3-chloropropane	215	U	Toluene	215	U
1,2-Dibromoethane	161	U	1,2,3-Trichlorobenzene	215	U
Dibromomethane	215	U	1,2,4-Trichlorobenzene	215	U
1,2-Dichlorobenzene	215	U	1,1,1-Trichloroethane	215	U
1,3-Dichlorobenzene	215	U	1,1,2-Trichloroethane	161	U
1,4-Dichlorobenzene	215	U	Trichloroethene	215	U
Dichlorodifluoromethane	215	U	Trichlorofluoromethane	215	U
1,1-Dichloroethane	215	U	1,2,3-Trichloropropane	215	U
1,2-Dichloroethane	161	U	1,2,4-Trimethylbenzene	215	U
1,1-Dichloroethene	161	U	1,3,5-Trimethylbenzene	215	U
cis-1,2-Dichloroethene	215	U	Vinyl Chloride	215	U
trans-1,2-Dichloroethene	215	U	o-Xylene	215	U
1,2-Dichloropropane	161	U	m,p-Xylene	215	U
Acetone	2150	U	Diethyl ether	215	U
Carbon Disulfide	215	U	2-Hexanone	2150	U
Tetrahydrofuran	1080	U	Methyl isobutyl ketone	2150	U
Methyl ethyl ketone	2150	U	Di-isopropyl ether (DIPE)	215	U
t-Butyl alcohol (TBA)	4310	U	Ethyl t-butyl ether (ETBE)	215	U
t-Amyl methyl ether (TAME)	215	U	1,3,5-Trichlorobenzene	215	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	65 * %	d8-Toluene	68 * %	Bromofluorobenzene	66 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-5
Matrix:	Soil
Percent Solid:	46
Dilution Factor:	3.2
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 5

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	800	U
Acenaphthylene	800	U
Acenaphthene	800	U
Fluorene	800	U
Phenanthrene	800	U
Anthracene	800	U
Fluoranthene	800	U
Pyrene	800	U
Benzo[a]anthracene	800	U
Chrysene	800	U
Benzo[b] fluoranthene	800	U
Benzo[k] fluoranthene	800	U
Benzo[a] pyrene	800	U
Dibenz [a,h] anthracene	800	U
Benzo(g,h,i) perylene	800	U
Indeno [1,2,3-cd] pyrene	800	U
2-Methylnaphthalene	800	U

Surrogate Standard Recovery

d5-nitrobenzene	51 %	2-Fluorobiphenyl	54 %	dI4-p-terphenyl	79 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 5

Lab Sample ID: 65185-5
Matrix: Soil
Percent Solid: 46
Dilution Factor: 2.1
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	21	U	Endrin Ketone	21	U
a-BHC	21	U	Heptachlor	21	U
b-BHC	21	U	Heptachlor Epoxide	21	U
d-BHC	21	U	Methoxychlor	32	U
g-BHC	21	U	Chlordane (n.o.s)	69	U
4,4'-DDD	21	U	Toxaphene	140	U
4,4'-DDE	21	U	PCB-1016	32	U
4,4'-DDT	21	U	PCB-1221	32	U
Dieldrin	21	U	PCB-1232	32	U
Endosulfan I	21	U	PCB-1242	32	U
Endosulfan II	21	U	PCB-1248	32	U
Endosulfan Sulfate	21	U	PCB-1254	32	U
Endrin	21	U	PCB-1260	32	U
Endrin Aldehyde	21	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	88	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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608/8081/8082

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-6
Matrix: Soil
Percent Solid: 37
Dilution Factor: 244
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 6

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	244	U	1,3-Dichloropropane	244	U
Bromobenzene	244	U	cis-1,3-Dichloropropene	244	U
Bromochloromethane	244	U	trans-1,3-Dichloropropene	244	U
Bromodichloromethane	183	U	2,2-Dichloropropane	244	U
Bromoform	183	U	1,1-Dichloropropene	244	U
Bromomethane	244	U	Ethylbenzene	244	U
n-butylbenzene	244	U	Hexachlorobutadiene	244	U
sec-butylbenzene	244	U	Isopropylbenzene	244	U
tert-butylbenzene	244	U	p-isopropyltoluene	244	U
Carbon Tetrachloride	244	U	Methylene Chloride	1220	U
Chlorobenzene	244	U	Methyl-tert-butyl ether (MTBE)	183	U
Chloroethane	244	U	Naphthalene	244	U
Chloroform	183	U	n-Propylbenzene	244	U
Chloromethane	244	U	Styrene	244	U
2-Chlorotoluene	244	U	1,1,1,2-Tetrachloroethane	244	U
4-Chlorotoluene	244	U	1,1,2,2-Tetrachloroethane	183	U
Dibromochloromethane	183	U	Tetrachloroethene	244	U
1,2-Dibromo-3-chloropropane	244	U	Toluene	244	U
1,2-Dibromoethane	183	U	1,2,3-Trichlorobenzene	244	U
Dibromomethane	244	U	1,2,4-Trichlorobenzene	244	U
1,2-Dichlorobenzene	244	U	1,1,1-Trichloroethane	244	U
1,3-Dichlorobenzene	244	U	1,1,2-Trichloroethane	183	U
1,4-Dichlorobenzene	244	U	Trichloroethene	244	U
Dichlorodifluoromethane	244	U	Trichlorofluoromethane	244	U
1,1-Dichloroethane	244	U	1,2,3-Trichloropropane	244	U
1,2-Dichloroethane	183	U	1,2,4-Trimethylbenzene	244	U
1,1-Dichloroethene	183	U	1,3,5-Trimethylbenzene	244	U
cis-1,2-Dichloroethene	244	U	Vinyl Chloride	244	U
trans-1,2-Dichloroethene	244	U	o-Xylene	244	U
1,2-Dichloropropane	183	U	m,p-Xylene	244	U
Acetone	2440	U	Diethyl ether	244	U
Carbon Disulfide	244	U	2-Hexanone	2440	U
Tetrahydrofuran	1220	U	Methyl isobutyl ketone	2440	U
Methyl ethyl ketone	2440	U	Di-isopropyl ether (DIPE)	244	U
t-Butyl alcohol (TBA)	4870	U	Ethyl t-butyl ether (ETBE)	244	U
t-Amyl methyl ether (TAME)	244	U	1,3,5-Trichlorobenzene	244	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	58 * %	d8-Toluene	58 * %	Bromofluorobenzene	58 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-6
Matrix:	Soil
Percent Solid:	37
Dilution Factor:	4.1
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 6

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	1000	U
Acenaphthylene	1000	U
Acenaphthene	1000	U
Fluorene	1000	U
Phenanthrene	1000	U
Anthracene	1000	U
Fluoranthene	1000	**1220**
Pyrene	1000	**1100**
Benzo[a]anthracene	1000	U
Chrysene	1000	**668 J**
Benzo[b] fluoranthene	1000	**945 J**
Benzo[k] fluoranthene	1000	U
Benzo[a] pyrene	1000	**616 J**
Dibenz [a,h] anthracene	1000	U
Benzo(g,h,i) perylene	1000	U
Indeno [1,2,3-cd] pyrene	1000	**806 J**
2-Methylnaphthalene	1000	U

Surrogate Standard Recovery

d5-nitrobenzene	63 %	2-Fluorobiphenyl	63 %	d14-p-terphenyl	88 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

Lab Sample ID: 65185-6
Matrix: Soil
Percent Solid: 37
Dilution Factor: 27
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 6

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	270	U	Endrin Ketone	270	U
a-BHC	270	U	Heptachlor	270	U
b-BHC	270	U	Heptachlor Epoxide	270	U
d-BHC	270	U	Methoxychlor	410	U
g-BHC	270	U	Chlordane (n.o.s)	890	U
4,4'-DDD	270	U	Toxaphene	1780	U
4,4'-DDE	270	U	PCB-1016	410	U
4,4'-DDT	270	U	PCB-1221	410	U
Dieldrin	270	U	PCB-1232	410	U
Endosulfan I	270	U	PCB-1242	410	U
Endosulfan II	270	U	PCB-1248	410	U
Endosulfan Sulfate	270	U	PCB-1254	410	U
Endrin	270	U	PCB-1260	410	U
Endrin Aldehyde	270	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	107	%
Decachlorobiphenyl	69	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-7
Matrix: Soil
Percent Solid: 47
Dilution Factor: 211
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 7

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	211	U	1,3-Dichloropropane	211	U
Bromobenzene	211	U	cis-1,3-Dichloropropene	211	U
Bromochloromethane	211	U	trans-1,3-Dichloropropene	211	U
Bromodichloromethane	158	U	2,2-Dichloropropane	211	U
Bromoform	158	U	1,1-Dichloropropene	211	U
Bromomethane	211	U	Ethylbenzene	211	U
n-butylbenzene	211	U	Hexachlorobutadiene	211	U
sec-butylbenzene	211	U	Isopropylbenzene	211	U
tert-butylbenzene	211	U	p-isopropyltoluene	211	U
Carbon Tetrachloride	211	U	Methylene Chloride	1050	U
Chlorobenzene	211	U	Methyl-tert-butyl ether (MTBE)	158	U
Chloroethane	211	U	Naphthalene	211	U
Chloroform	158	U	n-Propylbenzene	211	U
Chloromethane	211	U	Styrene	211	U
2-Chlorotoluene	211	U	1,1,1,2-Tetrachloroethane	211	U
4-Chlorotoluene	211	U	1,1,2,2-Tetrachloroethane	158	U
Dibromochloromethane	158	U	Tetrachloroethene	211	U
1,2-Dibromo-3-chloropropane	211	U	Toluene	211	U
1,2-Dibromoethane	158	U	1,2,3-Trichlorobenzene	211	U
Dibromomethane	211	U	1,2,4-Trichlorobenzene	211	U
1,2-Dichlorobenzene	211	U	1,1,1-Trichloroethane	211	U
1,3-Dichlorobenzene	211	U	1,1,2-Trichloroethane	158	U
1,4-Dichlorobenzene	211	U	Trichloroethene	211	U
Dichlorodifluoromethane	211	U	Trichlorofluoromethane	211	U
1,1-Dichloroethane	211	U	1,2,3-Trichloropropane	211	U
1,2-Dichloroethane	158	U	1,2,4-Trimethylbenzene	211	U
1,1-Dichloroethene	158	U	1,3,5-Trimethylbenzene	211	U
cis-1,2-Dichloroethene	211	U	Vinyl Chloride	211	U
trans-1,2-Dichloroethene	211	U	o-Xylene	211	U
1,2-Dichloropropane	158	U	m,p-Xylene	211	U
Acetone	2110	U	Diethyl ether	211	U
Carbon Disulfide	211	U	2-Hexanone	2110	U
Tetrahydrofuran	1050	U	Methyl isobutyl ketone	2110	U
Methyl ethyl ketone	2110	U	Di-isopropyl ether (DIPE)	211	U
t-Butyl alcohol (TBA)	4210	U	Ethyl t-butyl ether (ETBE)	211	U
t-Amyl methyl ether (TAME)	211	U	1,3,5-Trichlorobenzene	211	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	69 * %	d8-Toluene	68 * %	Bromofluorobenzene	68 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

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8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-7
Matrix:	Soil
Percent Solid:	47
Dilution Factor:	2.9
Collection Date:	10/31/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 7

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	740	U
Acenaphthylene	740	U
Acenaphthene	740	U
Fluorene	740	U
Phenanthrene	740	**463 J**
Anthracene	740	U
Fluoranthene	740	**774**
Pyrene	740	**730 J**
Benzo[a]anthracene	740	U
Chrysene	740	**451 J**
Benzo[b] fluoranthene	740	**658 J**
Benzo[k] fluoranthene	740	U
Benzo[a] pyrene	740	U
Dibenz [a,h] anthracene	740	U
Benzo(g,h,i) perylene	740	U
Indeno [1,2,3-cd] pyrene	740	**532 J**
2-Methylnaphthalene	740	U

Surrogate Standard Recovery

d5-nitrobenzene	49 %	2-Fluorobiphenyl	58 %	d14-p-terphenyl	84 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 7

Lab Sample ID: 65185-7
Matrix: Soil
Percent Solid: 47
Dilution Factor: 20
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	200	U	Endrin Ketone	200	U
a-BHC	200	U	Heptachlor	200	U
b-BHC	200	U	Heptachlor Epoxide	200	U
d-BHC	200	U	Methoxychlor	300	U
g-BHC	200	U	Chlordane (n.o.s)	660	U
4,4'-DDD	200	U	Toxaphene	1320	U
4,4'-DDE	200	U	PCB-1016	300	U
4,4'-DDT	200	U	PCB-1221	300	U
Dieldrin	200	U	PCB-1232	300	U
Endosulfan I	200	U	PCB-1242	300	U
Endosulfan II	200	U	PCB-1248	300	U
Endosulfan Sulfate	200	U	PCB-1254	300	U
Endrin	200	U	PCB-1260	300	U
Endrin Aldehyde	200	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	80	%
Decachlorobiphenyl	74	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-8
Matrix: Soil
Percent Solid: 46
Dilution Factor: 216
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 8

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	216	U	1,3-Dichloropropane	216	U
Bromobenzene	216	U	cis-1,3-Dichloropropene	216	U
Bromochloromethane	216	U	trans-1,3-Dichloropropene	216	U
Bromodichloromethane	162	U	2,2-Dichloropropane	216	U
Bromoform	162	U	1,1-Dichloropropene	216	U
Bromomethane	216	U	Ethylbenzene	216	U
n-butylbenzene	216	U	Hexachlorobutadiene	216	U
sec-butylbenzene	216	U	Isopropylbenzene	216	U
tert-butylbenzene	216	U	p-isopropyltoluene	216	U
Carbon Tetrachloride	216	U	Methylene Chloride	1080	U
Chlorobenzene	216	U	Methyl-tert-butyl ether (MTBE)	162	U
Chloroethane	216	U	Naphthalene	216	U
Chloroform	162	U	n-Propylbenzene	216	U
Chloromethane	216	U	Styrene	216	U
2-Chlorotoluene	216	U	1,1,1,2-Tetrachloroethane	216	U
4-Chlorotoluene	216	U	1,1,2,2-Tetrachloroethane	162	U
Dibromochloromethane	162	U	Tetrachloroethene	216	U
1,2-Dibromo-3-chloropropane	216	U	Toluene	216	U
1,2-Dibromoethane	162	U	1,2,3-Trichlorobenzene	216	U
Dibromomethane	216	U	1,2,4-Trichlorobenzene	216	U
1,2-Dichlorobenzene	216	U	1,1,1-Trichloroethane	216	U
1,3-Dichlorobenzene	216	U	1,1,2-Trichloroethane	162	U
1,4-Dichlorobenzene	216	U	Trichloroethene	216	U
Dichlorodifluoromethane	216	U	Trichlorofluoromethane	216	U
1,1-Dichloroethane	216	U	1,2,3-Trichloropropane	216	U
1,2-Dichloroethane	162	U	1,2,4-Trimethylbenzene	216	U
1,1-Dichloroethene	162	U	1,3,5-Trimethylbenzene	216	U
cis-1,2-Dichloroethene	216	U	Vinyl Chloride	216	U
trans-1,2-Dichloroethene	216	U	o-Xylene	216	U
1,2-Dichloropropane	162	U	m,p-Xylene	216	U
Acetone	2160	U	Diethyl ether	216	U
Carbon Disulfide	216	U	2-Hexanone	2160	U
Tetrahydrofuran	1080	U	Methyl isobutyl ketone	2160	U
Methyl ethyl ketone	2160	U	Di-isopropyl ether (DIPE)	216	U
t-Butyl alcohol (TBA)	4310	U	Ethyl t-butyl ether (ETBE)	216	U
t-Amyl methyl ether (TAME)	216	U	1,3,5-Trichlorobenzene	216	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	57 * %	d8-Toluene	58 * %	Bromofluorobenzene	53 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

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8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-8
Matrix: Soil
Percent Solid: 46
Dilution Factor: 3.2
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/06/09
Analysis Date: 11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 8

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	810	U
Acenaphthylene	810	U
Acenaphthene	810	U
Fluorene	810	U
Phenanthrene	810	**623 J**
Anthracene	810	U
Fluoranthene	810	**1090**
Pyrene	810	**1060**
Benzo[a]anthracene	810	**434 J**
Chrysene	810	**593 J**
Benzo[b] fluoranthene	810	**809 J**
Benzo[k] fluoranthene	810	U
Benzo[a] pyrene	810	**516 J**
Dibenz [a,h] anthracene	810	U
Benzo(g,h,i) perylene	810	U
Indeno [1,2,3-cd] pyrene	810	**659 J**
2-Methylnaphthalene	810	U

Surrogate Standard Recovery

d5-nitrobenzene	54 %	2-Fluorobiphenyl	65 %	d14-p-terphenyl	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 8

Lab Sample ID: 65185-8
Matrix: Soil
Percent Solid: 46
Dilution Factor: 21
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	210	U	Endrin Ketone	210	U
a-BHC	210	U	Heptachlor	210	U
b-BHC	210	U	Heptachlor Epoxide	210	U
d-BHC	210	U	Methoxychlor	320	U
g-BHC	210	U	Chlordane (n.o.s)	690	U
4,4'-DDD	210	U	Toxaphene	1390	U
4,4'-DDE	210	U	PCB-1016	320	U
4,4'-DDT	210	U	PCB-1221	320	U
Dieldrin	210	U	PCB-1232	320	U
Endosulfan I	210	U	PCB-1242	320	U
Endosulfan II	210	U	PCB-1248	320	U
Endosulfan Sulfate	210	U	PCB-1254	320	U
Endrin	210	U	PCB-1260	320	U
Endrin Aldehyde	210	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	93	%
Decachlorobiphenyl	90	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-9
Matrix: Soil
Percent Solid: 41
Dilution Factor: 241
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 9

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	241	U	1,3-Dichloropropane	241	U
Bromobenzene	241	U	cis-1,3-Dichloropropene	241	U
Bromochloromethane	241	U	trans-1,3-Dichloropropene	241	U
Bromodichloromethane	181	U	2,2-Dichloropropane	241	U
Bromoform	181	U	1,1-Dichloropropene	241	U
Bromomethane	241	U	Ethylbenzene	241	U
n-butylbenzene	241	U	Hexachlorobutadiene	241	U
sec-butylbenzene	241	U	Isopropylbenzene	241	U
tert-butylbenzene	241	U	p-isopropyltoluene	241	U
Carbon Tetrachloride	241	U	Methylene Chloride	1210	U
Chlorobenzene	241	U	Methyl-tert-butyl ether (MTBE)	181	U
Chloroethane	241	U	Naphthalene	241	U
Chloroform	181	U	n-Propylbenzene	241	U
Chloromethane	241	U	Styrene	241	U
2-Chlorotoluene	241	U	1,1,1,2-Tetrachloroethane	241	U
4-Chlorotoluene	241	U	1,1,2,2-Tetrachloroethane	181	U
Dibromochloromethane	181	U	Tetrachloroethene	241	U
1,2-Dibromo-3-chloropropane	241	U	Toluene	241	U
1,2-Dibromoethane	181	U	1,2,3-Trichlorobenzene	241	U
Dibromomethane	241	U	1,2,4-Trichlorobenzene	241	U
1,2-Dichlorobenzene	241	U	1,1,1-Trichloroethane	241	U
1,3-Dichlorobenzene	241	U	1,1,2-Trichloroethane	181	U
1,4-Dichlorobenzene	241	U	Trichloroethene	241	U
Dichlorodifluoromethane	241	U	Trichlorofluoromethane	241	U
1,1-Dichloroethane	241	U	1,2,3-Trichloropropane	241	U
1,2-Dichloroethane	181	U	1,2,4-Trimethylbenzene	241	U
1,1-Dichloroethene	181	U	1,3,5-Trimethylbenzene	241	U
cis-1,2-Dichloroethene	241	U	Vinyl Chloride	241	U
trans-1,2-Dichloroethene	241	U	o-Xylene	241	U
1,2-Dichloropropane	181	U	m,p-Xylene	241	U
Acetone	2410	U	Diethyl ether	241	U
Carbon Disulfide	241	U	2-Hexanone	2410	U
Tetrahydrofuran	1210	U	Methyl isobutyl ketone	2410	U
Methyl ethyl ketone	2410	U	Di-isopropyl ether (DIPE)	241	U
t-Butyl alcohol (TBA)	4820	U	Ethyl t-butyl ether (ETBE)	241	U
t-Amyl methyl ether (TAME)	241	U	1,3,5-Trichlorobenzene	241	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	64 * %	d8-Toluene	65 * %	Bromofluorobenzene	64 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results. Sample collection and analysis in accordance with SW-846 method 5035A.

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8260 2009 (3):Res(72):Rec(3)

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SAMPLE DATA

Lab Sample ID: 65185-9
Matrix: Soil
Percent Solid: 41
Dilution Factor: 3.4
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/06/09
Analysis Date: 11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 9

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	860	U
Acenaphthylene	860	U
Acenaphthene	860	U
Fluorene	860	U
Phenanthrene	860	U
Anthracene	860	U
Fluoranthene	860	U
Pyrene	860	U
Benzo[a]anthracene	860	U
Chrysene	860	U
Benzo[b] fluoranthene	860	U
Benzo[k] fluoranthene	860	U
Benzo[a] pyrene	860	U
Dibenz [a,h] anthracene	860	U
Benzo(g,h,i) perylene	860	U
Indeno [1,2,3-cd] pyrene	860	U
2-Methylnaphthalene	860	U

Surrogate Standard Recovery

d5-nitrobenzene	54 %	2-Fluorobiphenyl	54 %	d14-p-terphenyl	87 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 9

Lab Sample ID: 65185-9
Matrix: Soil
Percent Solid: 41
Dilution Factor: 24
Collection Date: 10/31/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	240	U	Endrin Ketone	240	U
a-BHC	240	U	Heptachlor	240	U
b-BHC	240	U	Heptachlor Epoxide	240	U
d-BHC	240	U	Methoxychlor	360	U
g-BHC	240	U	Chlordane (n.o.s)	790	U
4,4'-DDD	240	U	Toxaphene	1580	U
4,4'-DDE	240	U	PCB-1016	360	U
4,4'-DDT	240	U	PCB-1221	360	U
Dieldrin	240	U	PCB-1232	360	U
Endosulfan I	240	U	PCB-1242	360	U
Endosulfan II	240	U	PCB-1248	360	U
Endosulfan Sulfate	240	U	PCB-1254	360	U
Endrin	240	U	PCB-1260	360	U
Endrin Aldehyde	240	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	83	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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SAMPLE DATA

Lab Sample ID:	65185-12
Matrix:	Soil
Percent Solid:	37
Dilution Factor:	3.9
Collection Date:	11/02/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 10A

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	990	U
Acenaphthylene	990	U
Acenaphthene	990	U
Fluorene	990	U
Phenanthrene	990	**630 J**
Anthracene	990	U
Fluoranthene	990	**1240**
Pyrene	990	**1140**
Benzo[a]anthracene	990	U
Chrysene	990	**673 J**
Benzo[b] fluoranthene	990	**983 J**
Benzo[k] fluoranthene	990	U
Benzo[a] pyrene	990	**594 J**
Dibenz [a,h] anthracene	990	U
Benzo(g,h,i) perylene	990	U
Indeno [1,2,3-cd] pyrene	990	**767 J**
2-Methylnaphthalene	990	U

Surrogate Standard Recovery

d5-nitrobenzene	52 %	2-Fluorobiphenyl	56 %	d14-p-terphenyl	86 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 10A

Lab Sample ID: 65185-12
Matrix: Soil
Percent Solid: 37
Dilution Factor: 2.6
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	26	U	Endrin Ketone	26	U
a-BHC	26	U	Heptachlor	26	U
b-BHC	26	U	Heptachlor Epoxide	26	U
d-BHC	26	U	Methoxychlor	39	U
g-BHC	26	U	Chlordane (n.o.s)	86	U
4,4'-DDD	26	U	Toxaphene	170	U
4,4'-DDE	26	U	PCB-1016	39	U
4,4'-DDT	26	U	PCB-1221	39	U
Dieldrin	26	U	PCB-1232	39	U
Endosulfan I	26	U	PCB-1242	39	U
Endosulfan II	26	U	PCB-1248	39	U
Endosulfan Sulfate	26	U	PCB-1254	39	U
Endrin	26	U	PCB-1260	39	U
Endrin Aldehyde	26	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	91	%
Decachlorobiphenyl	88	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-13
Matrix:	Soil
Percent Solid:	40
Dilution Factor:	3.6
Collection Date:	11/02/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 10B

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	890	U
Acenaphthylene	890	U
Acenaphthene	890	U
Fluorene	890	U
Phenanthrene	890	**508 J**
Anthracene	890	U
Fluoranthene	890	**982**
Pyrene	890	**901**
Benzo[a]anthracene	890	U
Chrysene	890	**546 J**
Benzo[b] fluoranthene	890	**809 J**
Benzo[k] fluoranthene	890	U
Benzo[a] pyrene	890	U
Dibenz [a,h] anthracene	890	U
Benzo(g,h,i) perylene	890	U
Indeno [1,2,3-cd] pyrene	890	**665 J**
2-Methylnaphthalene	890	U

Surrogate Standard Recovery

d5-nitrobenzene	58 %	2-Fluorobiphenyl	62 %	d14-p-terphenyl	87 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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November 18, 2009

SAMPLE DATA

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 10B

Lab Sample ID: 65185-13
Matrix: Soil
Percent Solid: 40
Dilution Factor: 24
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/17/09

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	240	U	Endrin Ketone	240	U
a-BHC	240	U	Heptachlor	240	U
b-BHC	240	U	Heptachlor Epoxide	240	U
d-BHC	240	U	Methoxychlor	360	U
g-BHC	240	U	Chlordane (n.o.s)	790	U
4,4'-DDD	240	U	Toxaphene	1580	U
4,4'-DDE	240	U	PCB-1016	360	U
4,4'-DDT	240	U	PCB-1221	360	U
Dieldrin	240	U	PCB-1232	360	U
Endosulfan I	240	U	PCB-1242	360	U
Endosulfan II	240	U	PCB-1248	360	U
Endosulfan Sulfate	240	U	PCB-1254	360	U
Endrin	240	U	PCB-1260	360	U
Endrin Aldehyde	240	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	92	%
Decachlorobiphenyl	89	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-14
Matrix: Soil
Percent Solid: 52
Dilution Factor: 189
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11A

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	189	U	1,3-Dichloropropane	189	U
Bromobenzene	189	U	cis-1,3-Dichloropropene	189	U
Bromochloromethane	189	U	trans-1,3-Dichloropropene	189	U
Bromodichloromethane	141	U	2,2-Dichloropropane	189	U
Bromoform	141	U	1,1-Dichloropropene	189	U
Bromomethane	189	U	Ethylbenzene	189	U
n-butylbenzene	189	U	Hexachlorobutadiene	189	U
sec-butylbenzene	189	U	Isopropylbenzene	189	U
tert-butylbenzene	189	U	p-isopropyltoluene	189	U
Carbon Tetrachloride	189	U	Methylene Chloride	943	U
Chlorobenzene	189	U	Methyl-tert-butyl ether (MTBE)	141	U
Chloroethane	189	U	Naphthalene	189	U
Chloroform	141	U	n-Propylbenzene	189	U
Chloromethane	189	U	Styrene	189	U
2-Chlorotoluene	189	U	1,1,1,2-Tetrachloroethane	189	U
4-Chlorotoluene	189	U	1,1,2,2-Tetrachloroethane	141	U
Dibromochloromethane	141	U	Tetrachloroethene	189	U
1,2-Dibromo-3-ehloropropane	189	U	Toluene	189	U
1,2-Dibromoethane	141	U	1,2,3-Trichlorobenzene	189	U
Dibromomethane	189	U	1,2,4-Trichlorobenzene	189	U
1,2-Dichlorobenzene	189	U	1,1,1-Trichloroethane	189	U
1,3-Dichlorobenzene	189	U	1,1,2-Trichloroethane	141	U
1,4-Dichlorobenzene	189	U	Trichloroethene	189	U
Dichlorodifluoromethane	189	U	Trichlorofluoromethane	189	U
1,1-Dichloroethane	189	U	1,2,3-Trichloropropane	189	U
1,2-Dichloroethane	141	U	1,2,4-Trimethylbenzene	189	U
1,1-Dichloroethene	141	U	1,3,5-Trimethylbenzene	189	U
cis-1,2-Dichloroethene	189	U	Vinyl Chloride	189	U
trans-1,2-Dichloroethene	189	U	o-Xylene	189	U
1,2-Dichloropropane	141	U	m,p-Xylene	189	U
Acetone	1890	U	Diethyl ether	189	U
Carbon Disulfide	189	U	2-Hexanone	1890	U
Tetrahydrofuran	943	U	Methyl isobutyl ketone	1890	U
Methyl ethyl ketone	1890	U	Di-isopropyl ether (DIPE)	189	U
t-Butyl alcohol (TBA)	3770	U	Ethyl t-butyl ether (ETBE)	189	U
t-Amyl methyl ether (TAME)	189	U	1,3,5-Trichlorobenzene	189	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	69 * %	d8-Toluene	71 * %	Bromofluorobenzene	69 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-14
Matrix:	Soil
Percent Solid:	52
Dilution Factor:	2.7
Collection Date:	11/02/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11A

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	670	U
Acenaphthylene	670	U
Acenaphthene	670	U
Fluorene	670	U
Phenanthrene	670	U
Anthracene	670	U
Fluoranthene	670	U
Pyrene	670	U
Benzo[a]anthracene	670	U
Chrysene	670	U
Benzo[b] fluoranthene	670	U
Benzo[k] fluoranthene	670	U
Benzo[a] pyrene	670	U
Dibenz [a,h] anthracene	670	U
Benzo(g,h,i) perylene	670	U
Indeno [1,2,3-cd] pyrene	670	U
2-Methylnaphthalene	670	U

Surrogate Standard Recovery

d5-nitrobenzene	56 %	2-Fluorobiphenyl	58 %	d14-p-terphenyl	85 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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November 18, 2009

SAMPLE DATA

Lab Sample ID: 65185-14
Matrix: Soil
Percent Solid: 52
Dilution Factor: 1.8
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/18/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11A

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	18	U	Endrin Ketone	18	U
a-BHC	18	U	Heptachlor	18	U
b-BHC	18	U	Heptachlor Epoxide	18	U
d-BHC	18	U	Methoxychlor	27	U
g-BHC	18	U	Chlordane (n.o.s)	59	U
4,4'-DDD	18	U	Toxaphene	120	U
4,4'-DDE	18	U	PCB-1016	27	U
4,4'-DDT	18	U	PCB-1221	27	U
Dieldrin	18	U	PCB-1232	27	U
Endosulfan I	18	U	PCB-1242	27	U
Endosulfan II	18	U	PCB-1248	27	U
Endosulfan Sulfate	18	U	PCB-1254	27	U
Endrin	18	U	PCB-1260	27	U
Endrin Aldehyde	18	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	92	%
Decachlorobiphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-15
Matrix: Soil
Percent Solid: 54
Dilution Factor: 174
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11B

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	174	U	1,3-Dichloropropane	174	U
Bromobenzene	174	U	cis-1,3-Dichloropropene	174	U
Bromochloromethane	174	U	trans-1,3-Dichloropropene	174	U
Bromodichloromethane	130	U	2,2-Dichloropropane	174	U
Bromoform	130	U	1,1-Dichloropropene	174	U
Bromomethane	174	U	Ethylbenzene	174	U
n-butylbenzene	174	U	Hexachlorobutadiene	174	U
sec-butylbenzene	174	U	Isopropylbenzene	174	U
tert-butylbenzene	174	U	p-isopropyltoluene	174	U
Carbon Tetrachloride	174	U	Methylene Chloride	868	U
Chlorobenzene	174	U	Methyl-tert-butyl ether (MTBE)	130	U
Chloroethane	174	U	Naphthalene	174	U
Chloroform	130	U	n-Propylbenzene	174	U
Chloromethane	174	U	Styrene	174	U
2-Chlorotoluene	174	U	1,1,1,2-Tetrachloroethane	174	U
4-Chlorotoluene	174	U	1,1,2,2-Tetrachloroethane	130	U
Dibromochloromethane	130	U	Tetrachloroethene	174	U
1,2-Dibromo-3-chloropropane	174	U	Toluene	174	U
1,2-Dibromoethane	130	U	1,2,3-Trichlorobenzene	174	U
Dibromomethane	174	U	1,2,4-Trichlorobenzene	174	U
1,2-Dichlorobenzene	174	U	1,1,1-Trichloroethane	174	U
1,3-Dichlorobenzene	174	U	1,1,2-Trichloroethane	130	U
1,4-Dichlorobenzene	174	U	Trichloroethene	174	U
Dichlorodifluoromethane	174	U	Trichlorofluoromethane	174	U
1,1-Dichloroethane	174	U	1,2,3-Trichloropropane	174	U
1,2-Dichloroethane	130	U	1,2,4-Trimethylbenzene	174	U
1,1-Dichloroethene	130	U	1,3,5-Trimethylbenzene	174	U
cis-1,2-Dichloroethene	174	U	Vinyl Chloride	174	U
trans-1,2-Dichloroethene	174	U	o-Xylene	174	U
1,2-Dichloropropane	130	U	m,p-Xylene	174	U
Acetone	1740	U	Diethyl ether	174	U
Carbon Disulfide	174	U	2-Hexanone	1740	U
Tetrahydrofuran	868	U	Methyl isobutyl ketone	1740	U
Methyl ethyl ketone	1740	U	Di-isopropyl ether (DIPE)	174	U
t-Butyl alcohol (TBA)	3470	U	Ethyl t-butyl ether (ETBE)	174	U
t-Amyl methyl ether (TAME)	174	U	1,3,5-Trichlorobenzene	174	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	63 * %	d8-Toluene	67 * %	Bromofluorobenzene	64 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

Authorized signature

8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-15
Matrix:	Soil
Percent Solid:	54
Dilution Factor:	2.7
Collection Date:	11/02/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11B

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	680	U
Acenaphthylene	680	U
Acenaphthene	680	U
Fluorene	680	U
Phenanthrene	680	U
Anthracene	680	U
Fluoranthene	680	U
Pyrene	680	U
Benzo[a]anthracene	680	U
Chrysene	680	U
Benzo[b] fluoranthene	680	U
Benzo[k] fluoranthene	680	U
Benzo[a] pyrene	680	U
Dibenz [a,h] anthracene	680	U
Benzo(g,h,i) perylene	680	U
Indeno [1,2,3-cd] pyrene	680	U
2-Methylnaphthalene	680	U

Surrogate Standard Recovery

d5-nitrobenzene	56 %	2-Fluorobiphenyl	60 %	d14-p-terphenyl	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

Lab Sample ID: 65185-15
Matrix: Soil
Percent Solid: 54
Dilution Factor: 1.7
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/13/09
Analysis Date: 11/18/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 11B

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	17	U	Endrin Ketone	17	U
a-BHC	17	U	Heptachlor	17	U
b-BHC	17	U	Heptachlor Epoxide	17	U
d-BHC	17	U	Methoxychlor	26	U
g-BHC	17	U	Chlordane (n.o.s)	56	U
4,4'-DDD	17	U	Toxaphene	110	U
4,4'-DDE	17	U	PCB-1016	26	U
4,4'-DDT	17	U	PCB-1221	26	U
Dieldrin	17	U	PCB-1232	26	U
Endosulfan I	17	U	PCB-1242	26	U
Endosulfan II	17	U	PCB-1248	26	U
Endosulfan Sulfate	17	U	PCB-1254	26	U
Endrin	17	U	PCB-1260	26	U
Endrin Aldehyde	17	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	97	%
Decachlorobiphenyl	63	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.

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608/8081/8082

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-16
Matrix: Soil
Percent Solid: 36
Dilution Factor: 280
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 12

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	280	U	1,3-Dichloropropane	280	U
Bromobenzene	280	U	cis-1,3-Dichloropropene	280	U
Bromochloromethane	280	U	trans-1,3-Dichloropropene	280	U
Bromodichloromethane	210	U	2,2-Dichloropropane	280	U
Bromoform	210	U	1,1-Dichloropropene	280	U
Bromomethane	280	U	Ethylbenzene	280	U
n-butylbenzene	280	U	Hexachlorobutadiene	280	U
sec-butylbenzene	280	U	Isopropylbenzene	280	U
tert-butylbenzene	280	U	p-isopropyltoluene	280	U
Carbon Tetrachloride	280	U	Methylene Chloride	1400	U
Chlorobenzene	280	U	Methyl-tert-butyl ether (MTBE)	210	U
Chloroethane	280	U	Naphthalene	280	U
Chloroform	210	U	n-Propylbenzene	280	U
Chloromethane	280	U	Styrene	280	U
2-Chlorotoluene	280	U	1,1,1,2-Tetrachloroethane	280	U
4-Chlorotoluene	280	U	1,1,2,2-Tetrachloroethane	210	U
Dibromochloromethane	210	U	Tetrachloroethene	280	U
1,2-Dibromo-3-chloropropane	280	U	Toluene	280	U
1,2-Dibromoethane	210	U	1,2,3-Trichlorobenzene	280	U
Dibromomethane	280	U	1,2,4-Trichlorobenzene	280	U
1,2-Dichlorobenzene	280	U	1,1,1-Trichloroethane	280	U
1,3-Dichlorobenzene	280	U	1,1,2-Trichloroethane	210	U
1,4-Dichlorobenzene	280	U	Trichloroethene	280	U
Dichlorodifluoromethane	280	U	Trichlorofluoromethane	280	U
1,1-Dichloroethane	280	U	1,2,3-Trichloropropane	280	U
1,2-Dichloroethane	210	U	1,2,4-Trimethylbenzene	280	U
1,1-Dichloroethene	210	U	1,3,5-Trimethylbenzene	280	U
cis-1,2-Dichloroethene	280	U	Vinyl Chloride	280	U
trans-1,2-Dichloroethene	280	U	o-Xylene	280	U
1,2-Dichloropropane	210	U	m,p-Xylene	280	U
Acetone	2800	U	Diethyl ether	280	U
Carbon Disulfide	280	U	2-Hexanone	2800	U
Tetrahydrofuran	1400	U	Methyl isobutyl ketone	2800	U
Methyl ethyl ketone	2800	U	Di-isopropyl ether (DIPE)	280	U
t-Butyl alcohol (TBA)	5600	U	Ethyl t-butyl ether (ETBE)	280	U
t-Amyl methyl ether (TAME)	280	U	1,3,5-Trichlorobenzene	280	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	66 * %	d8-Toluene	67 * %	Bromofluorobenzene	64 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

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8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID:	65185-16
Matrix:	Soil
Percent Solid:	36
Dilution Factor:	4.0
Collection Date:	11/02/09
Lab Receipt Date:	11/03/09
Extraction Date:	11/06/09
Analysis Date:	11/11/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 12

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Naphthalene	990	U
Acenaphthylene	990	U
Acenaphthene	990	U
Fluorene	990	U
Phenanthrene	990	U
Anthracene	990	U
Fluoranthene	990	U
Pyrene	990	U
Benzo[a]anthracene	990	U
Chrysene	990	U
Benzo[b] fluoranthene	990	U
Benzo[k] fluoranthene	990	U
Benzo[a] pyrene	990	U
Dibenz [a,h] anthracene	990	U
Benzo(g,h,i) perylene	990	U
Indeno [1,2,3-cd] pyrene	990	U
2-Methylnaphthalene	990	U

Surrogate Standard Recovery

d5-nitrobenzene	57 %	2-Fluorobiphenyl	63 %	d14-p-terphenyl	98 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: Results are expressed on a dry weight basis.

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PAH Report

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November 18, 2009

SAMPLE DATA

Lab Sample ID: 65185-16 RX
Matrix: Soil
Percent Solid: 36
Dilution Factor: 56
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Extraction Date: 11/15/09
Analysis Date: 11/17/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 12

PESTICIDE AND PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/kg	Results µg/kg	COMPOUND	Quantitation Limit µg/kg	Results µg/kg
Aldrin	560	U	Endrin Ketone	560	U
a-BHC	560	U	Heptachlor	560	U
b-BHC	560	U	Heptachlor Epoxide	560	U
d-BHC	560	U	Methoxychlor	840	U
g-BHC	560	U	Chlordane (n.o.s)	1850	U
4,4'-DDD	560	U	Toxaphene	3700	U
4,4'-DDE	560	U	PCB-1016	840	U
4,4'-DDT	560	U	PCB-1221	840	U
Dieldrin	560	U	PCB-1232	840	U
Endosulfan I	560	U	PCB-1242	840	U
Endosulfan II	560	U	PCB-1248	840	U
Endosulfan Sulfate	560	U	PCB-1254	840	U
Endrin	560	U	PCB-1260	840	U
Endrin Aldehyde	560	U			

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	79	%
Decachlorobiphenyl	70	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8081/82.
Sample preparation conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 3545.

COMMENTS: Results are expressed on a dry weight basis.
* Quantitation limits increased due to the sample matrix affect.

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-17
Matrix: Soil
Percent Solid: 39
Dilution Factor: 264
Collection Date: 11/02/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: SED 10

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	264	U	1,3-Dichloropropane	264	U
Bromobenzene	264	U	cis-1,3-Dichloropropene	264	U
Bromochloromethane	264	U	trans-1,3-Dichloropropene	264	U
Bromodichloromethane	198	U	2,2-Dichloropropane	264	U
Bromoform	198	U	1,1-Dichloropropene	264	U
Bromomethane	264	U	Ethylbenzene	264	U
n-butylbenzene	264	U	Hexachlorobutadiene	264	U
sec-butylbenzene	264	U	Isopropylbenzene	264	U
tert-butylbenzene	264	U	p-isopropyltoluene	264	U
Carbon Tetrachloride	264	U	Methylene Chloride	1320	U
Chlorobenzene	264	U	Methyl-tert-butyl ether (MTBE)	198	U
Chloroethane	264	U	Naphthalene	264	U
Chloroform	198	U	n-Propylbenzene	264	U
Chloromethane	264	U	Styrene	264	U
2-Chlorotoluene	264	U	1,1,1,2-Tetrachloroethane	264	U
4-Chlorotoluene	264	U	1,1,2,2-Tetrachloroethane	198	U
Dibromochloromethane	198	U	Tetrachloroethene	264	U
1,2-Dibromo-3-chloropropane	264	U	Toluene	264	U
1,2-Dibromoethane	198	U	1,2,3-Trichlorobenzene	264	U
Dibromomethane	264	U	1,2,4-Trichlorobenzene	264	U
1,2-Dichlorobenzene	264	U	1,1,1-Trichloroethane	264	U
1,3-Dichlorobenzene	264	U	1,1,2-Trichloroethane	198	U
1,4-Dichlorobenzene	264	U	Trichloroethene	264	U
Dichlorodifluoromethane	264	U	Trichlorofluoromethane	264	U
1,1-Dichloroethane	264	U	1,2,3-Trichloropropane	264	U
1,2-Dichloroethane	198	U	1,2,4-Trimethylbenzene	264	U
1,1-Dichloroethene	198	U	1,3,5-Trimethylbenzene	264	U
cis-1,2-Dichloroethene	264	U	Vinyl Chloride	264	U
trans-1,2-Dichloroethene	264	U	o-Xylene	264	U
1,2-Dichloropropane	198	U	m,p-Xylene	264	U
Acetone	2640	U	Diethyl ether	264	U
Carbon Disulfide	264	U	2-Hexanone	2640	U
Tetrahydrofuran	1320	U	Methyl isobutyl ketone	2640	U
Methyl ethyl ketone	2640	U	Di-isopropyl ether (DIPE)	264	U
t-Butyl alcohol (TBA)	5290	U	Ethyl t-butyl ether (ETBE)	264	U
t-Amyl methyl ether (TAME)	264	U	1,3,5-Trichlorobenzene	264	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	61 * %	d8-Toluene	66 * %	Bromofluorobenzene	63 * %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.
*Surrogate recovery outside of laboratory acceptance criteria. Sample was reanalyzed to confirm results.

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8260 2009 (3):Res(72):Rec(3)

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November 17, 2009

SAMPLE DATA

Lab Sample ID: 65185-19
Matrix: Solid
Percent Solid: 100
Dilution Factor: 100
Collection Date: 10/31/09 - 11/02/09
Lab Receipt Date: 11/03/09
Analysis Date: 11/13/09

CLIENT SAMPLE ID

Project Name: OYSTER RIVER

Project Number:

Field Sample ID: Trip Blank

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/kg	Result µg/kg	COMPOUND	Quantitation Limit µg/kg	Result µg/kg
Benzene	100	U	1,3-Dichloropropane	100	U
Bromobenzene	100	U	cis-1,3-Dichloropropene	100	U
Bromochloromethane	100	U	trans-1,3-Dichloropropene	100	U
Bromodichloromethane	75	U	2,2-Dichloropropane	100	U
Bromoform	75	U	1,1-Dichloropropene	100	U
Bromomethane	100	U	Ethylbenzene	100	U
n-butylbenzene	100	U	Hexachlorobutadiene	100	U
sec-butylbenzene	100	U	Isopropylbenzene	100	U
tert-butylbenzene	100	U	p-isopropyltoluene	100	U
Carbon Tetrachloride	100	U	Methylene Chloride	500	U
Chlorobenzene	100	U	Methyl-tert-butyl ether (MTBE)	75	U
Chloroethane	100	U	Naphthalene	100	U
Chloroform	75	U	n-Propylbenzene	100	U
Chloromethane	100	U	Styrene	100	U
2-Chlorotoluene	100	U	1,1,1,2-Tetrachloroethane	100	U
4-Chlorotoluene	100	U	1,1,2,2-Tetrachloroethane	75	U
Dibromochloromethane	75	U	Tetrachloroethene	100	U
1,2-Dibromo-3-chloropropane	100	U	Toluene	100	U
1,2-Dibromoethane	75	U	1,2,3-Trichlorobenzene	100	U
Dibromomethane	100	U	1,2,4-Trichlorobenzene	100	U
1,2-Dichlorobenzene	100	U	1,1,1-Trichloroethane	100	U
1,3-Dichlorobenzene	100	U	1,1,2-Trichloroethane	75	U
1,4-Dichlorobenzene	100	U	Trichloroethene	100	U
Dichlorodifluoromethane	100	U	Trichlorofluoromethane	100	U
1,1-Dichloroethane	100	U	1,2,3-Trichloropropane	100	U
1,2-Dichloroethane	75	U	1,2,4-Trimethylbenzene	100	U
1,1-Dichloroethene	75	U	1,3,5-Trimethylbenzene	100	U
cis-1,2-Dichloroethene	100	U	Vinyl Chloride	100	U
trans-1,2-Dichloroethene	100	U	o-Xylene	100	U
1,2-Dichloropropane	75	U	m,p-Xylene	100	U
Acetone	1000	U	Diethyl ether	100	U
Carbon Disulfide	100	U	2-Hexanone	1000	U
Tetrahydrofuran	500	U	Methyl isobutyl ketone	1000	U
Methyl ethyl ketone	1000	U	Di-isopropyl ether (DIPE)	100	U
t-Butyl alcohol (TBA)	2000	U	Ethyl t-butyl ether (ETBE)	100	U
t-Amyl methyl ether (TAME)	100	U	1,3,5-Trichlorobenzene	100	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	93 %	d8-Toluene	97 %	Bromofluorobenzene	95 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS: Results are expressed on a dry weight basis. Sample collection and analysis in accordance with SW-846 method 5035A.

Authorized signature

8260 2009 (3):Res(72):Rec(3)

Maine Environmental Laboratory

Report of Analyses

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Analytics Environmental Laboratory, LLC
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November 17, 2009

Report No.: AEL5905-09

Enclosed are the results of the analyses requested on your samples as received by the laboratory. Samples were received in acceptable condition and analyzed within method holding times with all quality control data within laboratory acceptance limits unless noted. Reporting detection limits are the minimum levels for reporting quantitative data. These limits are 3.18 times the method detection limit as defined in CFR 40 Part 136, Appendix B. Data reported between the reporting and method detection limits are J flagged (estimated). Maine Environmental Laboratory is certified by Maine (cert. #200904) and New Hampshire NELAP (NHELAP) (cert. #2031). A list of certified parameters is available on request. The results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the report. This report shall not be reproduced, except in full, without the written consent of the laboratory.

The complete report consists of the following sections:

Maine Environmental Laboratory report
Chain of custody forms

References

EPA - EPA600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.
SW8 - SW846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA, third edition, 1986.
STM - Standard Methods for the Examination of Water and Wastewater, 18th edition, APHA,AWWA,WPCF, 1992.
CLP - USEPA CLP Statement of Work for Inorganics, ILMO3.0.
AOA - Official Methods of Analysis of the Association of Official Analytical Chemists, 14th edition, 1984.

Authorized signature

Herbert S. Kodis, laboratory director

Maine Environmental Laboratory

Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-01	Sample ID:	SED 1 (65185-1)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	12.0	mg/kg	11/13/09	0.5	1.7	3050B/6010B	SW8
Barium, total	103	mg/kg	11/13/09	2	5	3050B/6010B	SW8
Cadmium, total	3.6	mg/kg	11/13/09	0.5	1.7	3050B/6010B	SW8
Chromium, total	32	mg/kg	11/13/09	2	5	3050B/6010B	SW8
Lead, total	8	mg/kg	11/13/09	2	5	3050B/6010B	SW8
Mercury, total	ND	mg/kg	11/13/09	0.03	0.09	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.0	3.4	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.5	1.7	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

One Main Street Yarmouth, Maine 04096-1107 Tel (207) 846-6569 Fax (207) 846-9066 e-mail: melab@maine.rr.com

Report of Analyses

M. Gulli
Analytics Environmental Laboratory, LLC
195 Commerce Way, Suite E
Portsmouth, NH 03801

November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-02	Sample ID:	SED 2 (65185-2)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	10.4		mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8
Barium, total	101		mg/kg	11/13/09	2	6	3050B/6010B	SW8
Cadmium, total	0.9	J	mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8
Chromium, total	38		mg/kg	11/13/09	2	6	3050B/6010B	SW8
Lead, total	64		mg/kg	11/13/09	2	6	3050B/6010B	SW8
Mercury, total	ND		mg/kg	11/13/09	0.04	0.09	7471A	SW8
Selenium, total	ND	S	mg/kg	11/13/09	1.1	3.7	3050B/6010B	SW8
Silver, total	1.1	J	mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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Portsmouth, NH 03801

November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-03	Sample ID:	SED 3 (65185-3)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	9.1	mg/kg	11/13/09	0.6	2.0	3050B/6010B	SW8
Barium, total	32	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.6	2.0	3050B/6010B	SW8
Chromium, total	11	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Lead, total	6	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Mercury, total	0.14	mg/kg	11/13/09	0.04	0.10	7471A	SW8
Selenium, total	ND	mg/kg	11/13/09	0.6	2.0	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.6	2.0	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-04	Sample ID:	SED 4 (65185-4)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	11.4	mg/kg	11/13/09	0.9	2.9	3050B/6010B	SW8
Barium, total	163	mg/kg	11/13/09	3	9	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.9	2.9	3050B/6010B	SW8
Chromium, total	53	mg/kg	11/13/09	3	9	3050B/6010B	SW8
Lead, total	17	mg/kg	11/13/09	3	9	3050B/6010B	SW8
Mercury, total	0.29	mg/kg	11/13/09	0.06	0.15	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.8	5.9	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.9	2.9	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-05	Sample ID:	SED 5 (65185-5)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	12.8	mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8
Barium, total	115	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8
Chromium, total	36	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Lead, total	45	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Mercury, total	0.35	mg/kg	11/13/09	0.04	0.11	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.3	4.4	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-06	Sample ID:	SED 6 (65185-6)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	16.1		mg/kg	11/13/09	0.8	2.7	3050B/6010B	SW8
Barium, total	130		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Cadmium, total	0.8	J	mg/kg	11/13/09	0.8	2.7	3050B/6010B	SW8
Chromium, total	39		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Lead, total	48		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Mercury, total	0.49		mg/kg	11/13/09	0.05	0.14	7471A	SW8
Selenium, total	ND	S	mg/kg	11/13/09	1.6	5.5	3050B/6010B	SW8
Silver, total	ND		mg/kg	11/13/09	0.8	27	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-07	Sample ID:	SED 7 (65185-7)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	11.8	mg/kg	11/13/09	0.6	2.1	3050B/6010B	SW8
Barium, total	99	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.6	2.1	3050B/6010B	SW8
Chromium, total	37	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Lead, total	21	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Mercury, total	0.53	mg/kg	11/13/09	0.04	0.11	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.3	4.2	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.6	2.1	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-08	Sample ID:	SED 8 (65185-8)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	13.5		mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8
Barium, total	101		mg/kg	11/13/09	2	7	3050B/6010B	SW8
Cadmium, total	ND		mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8
Chromium, total	40		mg/kg	11/13/09	2	7	3050B/6010B	SW8
Lead, total	36		mg/kg	11/13/09	2	7	3050B/6010B	SW8
Mercury, total	0.92		mg/kg	11/13/09	0.04	0.11	7471A	SW8
Selenium, total	ND	S	mg/kg	11/13/09	1.3	4.4	3050B/6010B	SW8
Silver, total	ND		mg/kg	11/13/09	0.7	2.2	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	10/31/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-09	Sample ID:	SED 9 (65185-9)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	12.4	mg/kg	11/13/09	0.7	2.4	3050B/6010B	SW8
Barium, total	116	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.7	2.4	3050B/6010B	SW8
Chromium, total	41	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Lead, total	9	mg/kg	11/13/09	2	7	3050B/6010B	SW8
Mercury, total	0.07 J	mg/kg	11/13/09	0.05	0.12	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.5	4.8	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.7	2.4	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	11/02/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-10	Sample ID:	SED 10A (65185-12)

Data reported on a dry weight basis.

Parameter	Results		units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	17.6		mg/kg	11/13/09	0.8	2.7	3050B/6010B	SW8
Barium, total	120		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Cadmium, total	1.1	J	mg/kg	11/13/09	0.8	2.7	3050B/6010B	SW8
Chromium, total	43		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Lead, total	54		mg/kg	11/13/09	3	8	3050B/6010B	SW8
Mercury, total	0.86		mg/kg	11/13/09	0.05	0.13	7471A	SW8
Selenium, total	ND	S	mg/kg	11/13/09	1.6	5.4	3050B/6010B	SW8
Silver, total	ND		mg/kg	11/13/09	0.8	2.7	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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Portsmouth, NH 03801

November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	11/02/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-11	Sample ID:	SED 10B (65185-13)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	15.3	mg/kg	11/13/09	0.8	2.5	3050B/6010B	SW8
Barium, total	122	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Cadmium, total	0.8 J	mg/kg	11/13/09	0.8	2.5	3050B/6010B	SW8
Chromium, total	44	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Lead, total	52	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Mercury, total	1.00	mg/kg	11/13/09	0.05	0.13	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.5	5.0	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.8	2.5	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	11/02/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-12	Sample ID:	SED 11A (65185-14)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	9.1	mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8
Barium, total	98	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8
Chromium, total	33	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Lead, total	17	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Mercury, total	0.19	mg/kg	11/13/09	0.04	0.10	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.2	3.9	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.6	1.9	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	11/02/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-13	Sample ID:	SED 11B (65185-15)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	9.0	mg/kg	11/13/09	0.6	1.8	3050B/6010B	SW8
Barium, total	102	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.6	1.8	3050B/6010B	SW8
Chromium, total	33	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Lead, total	15	mg/kg	11/13/09	2	6	3050B/6010B	SW8
Mercury, total	0.18	mg/kg	11/13/09	0.04	0.09	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.1	3.7	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.6	1.8	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Maine Environmental Laboratory

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Report of Analyses

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Portsmouth, NH 03801

November 17, 2009

Report No:	AEL5905-09	Sampler:	No Data
Date received:	11/03/09	Sampling date:	11/02/09
Project ID:	Oyster River	Sample matrix:	Solid
Laboratory ID:	AEL590509-14	Sample ID:	SED 12 (65185-16)

Data reported on a dry weight basis.

Parameter	Results	units	Date Analyzed	Method Detection Limit	Reporting Detection Limit	Method	Reference
Arsenic, total	14.6	mg/kg	11/13/09	0.8	2.8	3050B/6010B	SW8
Barium, total	86	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Cadmium, total	ND	mg/kg	11/13/09	0.8	2.8	3050B/6010B	SW8
Chromium, total	64	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Lead, total	14	mg/kg	11/13/09	3	8	3050B/6010B	SW8
Mercury, total	0.14	mg/kg	11/13/09	0.06	0.14	7471A	SW8
Selenium, total	ND S	mg/kg	11/13/09	1.7	5.6	3050B/6010B	SW8
Silver, total	ND	mg/kg	11/13/09	0.8	2.8	3050B/6010B	SW8

ND = not detected J = estimated B = detected in blank S = RDL increased due to sample matrix

Chain Of Custody Form
MEL

AEL5905.09

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6.0°
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote # ~~00185~~ ~~001805-35~~ 011805-35 AP 11/3/09
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 1	10/31/09	9:00	TOTAL RCRA 8		X						Sediment	1	9		65185-1
SED 2		9:30			X							1	9		-2
SED 3		10:00			X							1	9		-3
SED 4		10:30			X							1	9		-4
SED 5		11:00			X							1	9		-5
SED 6		11:30			X							1	9		-6
SED 7		12:30			X							1	9		-7
SED 8		1:30			X							1	9		-8
SED 9		2:00			X							1	9		-9
SED 10A	11/2/09	9:00			X							1	9		-12
SED 10B		9:05			X							1	9		-13

Preservation

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
- [ ] 24hr*
- [ ] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [x] 10 Days

*Fee may apply, lab approval required

Comments / Instructions: All to do % solids

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] CTRCP*
- [ ] DOD*
- [ ] Level II*
- [ ] Level III*
- [ ] Level IV*
- [x] Standard

State:
- [x] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Received By:	Received By:	Received By:
Time:	Time: 1137	Time:
Date:	Date: 11/3/09	Date:
Relinquished By Sampler:	Relinquished By:	Relinquished By:

Page 1 of 2

Analytics Report 65185 page 0065 of 84

Analytics\AEL Documents\AEL COC

11/17

Chain Of Custody Form
MEL

AEL5905-09

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote # ~~001805-35~~ 011805-35 CP 11/3/09
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6.0°
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by: gam

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 11A	11/2/09	10:30	Total RCRA 8		X						Sediment	1	9		65185-14
SED 11B	1	10:35	1		X						1	1	9		-15
SED 12	1	2:00	1		X						1	1	9		-16

Preservation

Received By: Received By: Received By:
Time: Time: 1137 Time:
Date: Date: 11/3/09 Date:
Relinquished By Sampler: Relinquished By: Relinquished By:

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days
*Fee may apply/Lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☒ Standard

State:
☒ NH
☐ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type:

Page 2 of 2

Analytics\AEL Documents\AEL COC

11/17

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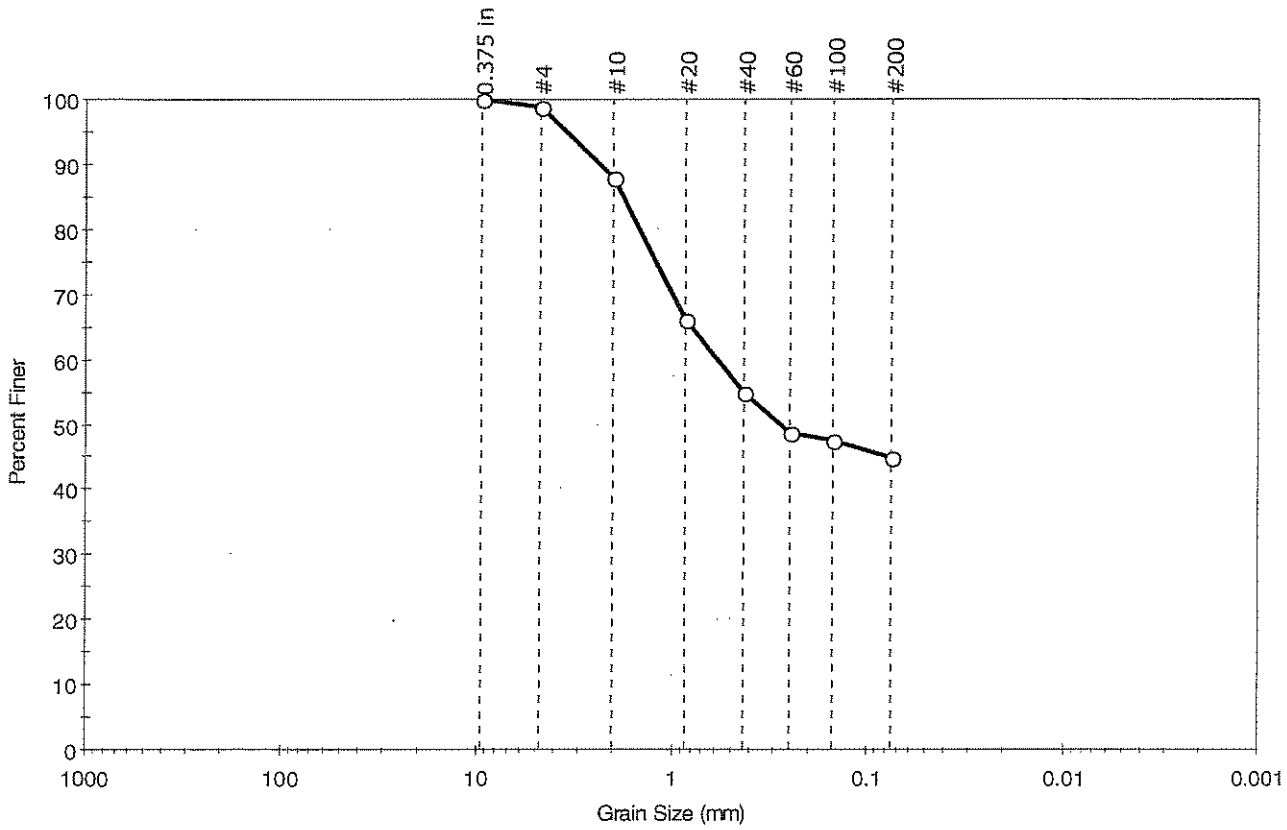
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED1	Sample Type: bag	Tested By:	jbr
Sample ID:65185-1	Test Date: 11/13/09	Checked By:	mpd
Depth : ---	Test Id: 168123		
Test Comment:	---		
Sample Description:	Moist, dark grayish brown silty sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	1.1	54.1	44.8

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	88		
#20	0.85	66		
#40	0.42	55		
#60	0.25	49		
#100	0.15	47		
#200	0.075	45		

Coefficients

D_{85} = 1.7767 mm D_{30} = N/A
D_{60} = 0.5840 mm D_{15} = N/A
D_{50} = 0.2802 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

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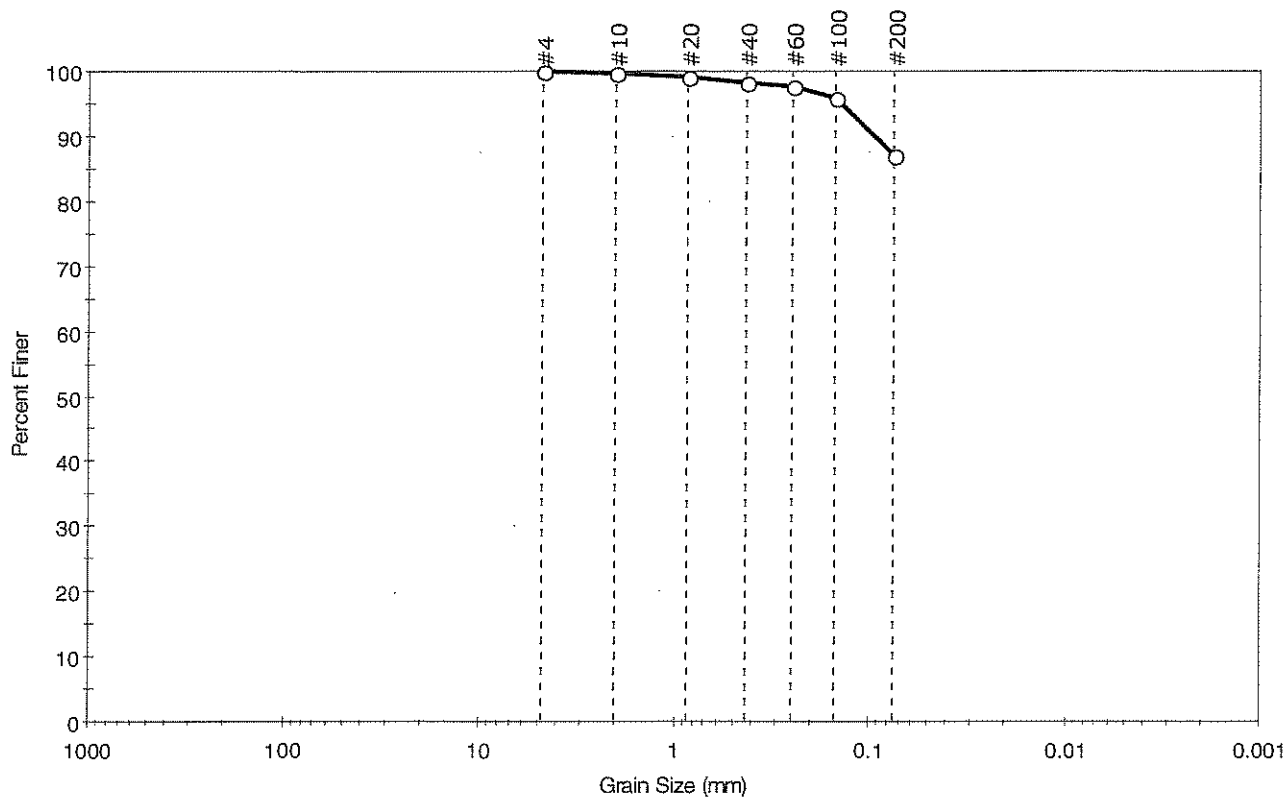
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED2	Sample Type: bag	Tested By:	jbr
Sample ID:65185-2	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168124		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown silt		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.0	13.0	87.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	98		
#60	0.25	98		
#100	0.15	96		
#200	0.075	87		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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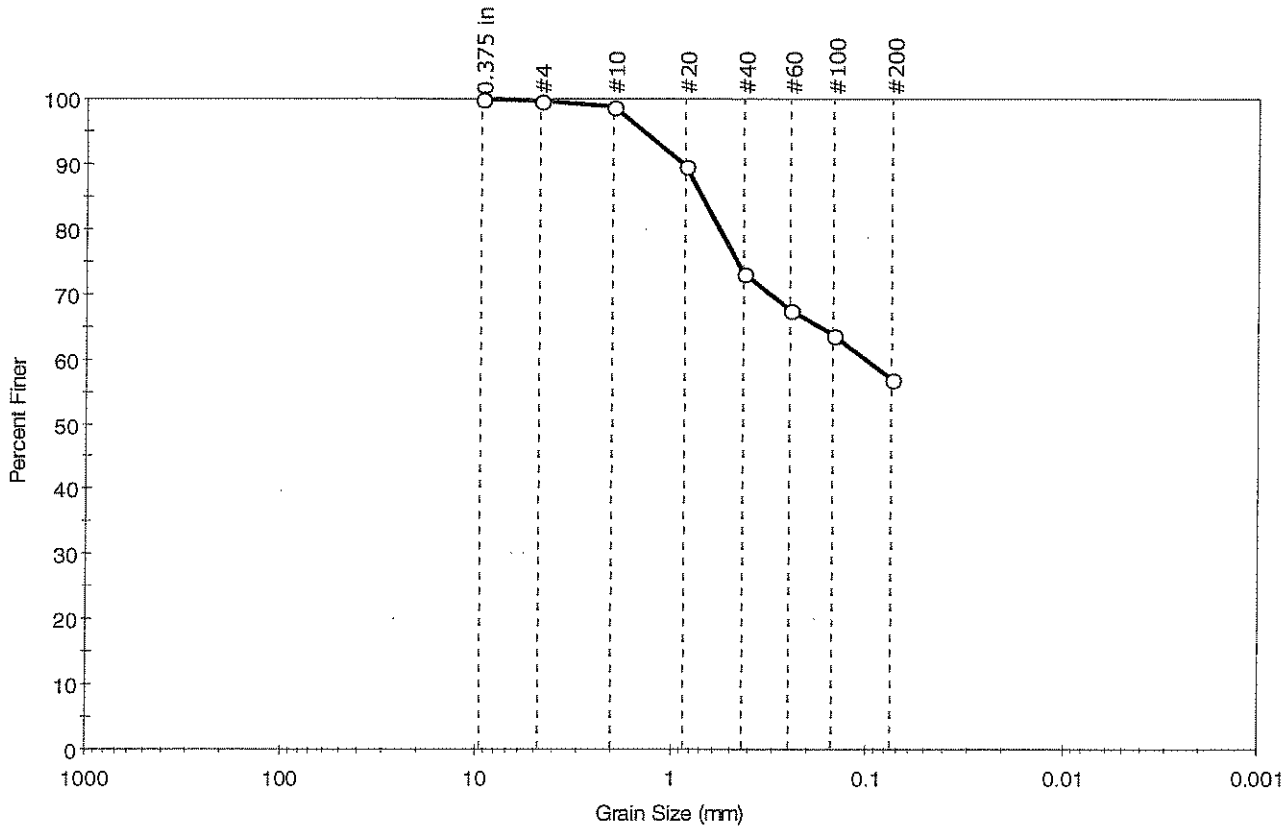
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED3	Sample Type: bag	Tested By:	jbr
Sample ID:65185-3	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168125		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown sandy silt		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.2	42.8	57.0

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	99		
#20	0.85	90		
#40	0.42	73		
#60	0.25	68		
#100	0.15	64		
#200	0.075	57		

Coefficients

D_{85} = 0.7015 mm D_{30} = N/A
D_{60} = 0.1029 mm D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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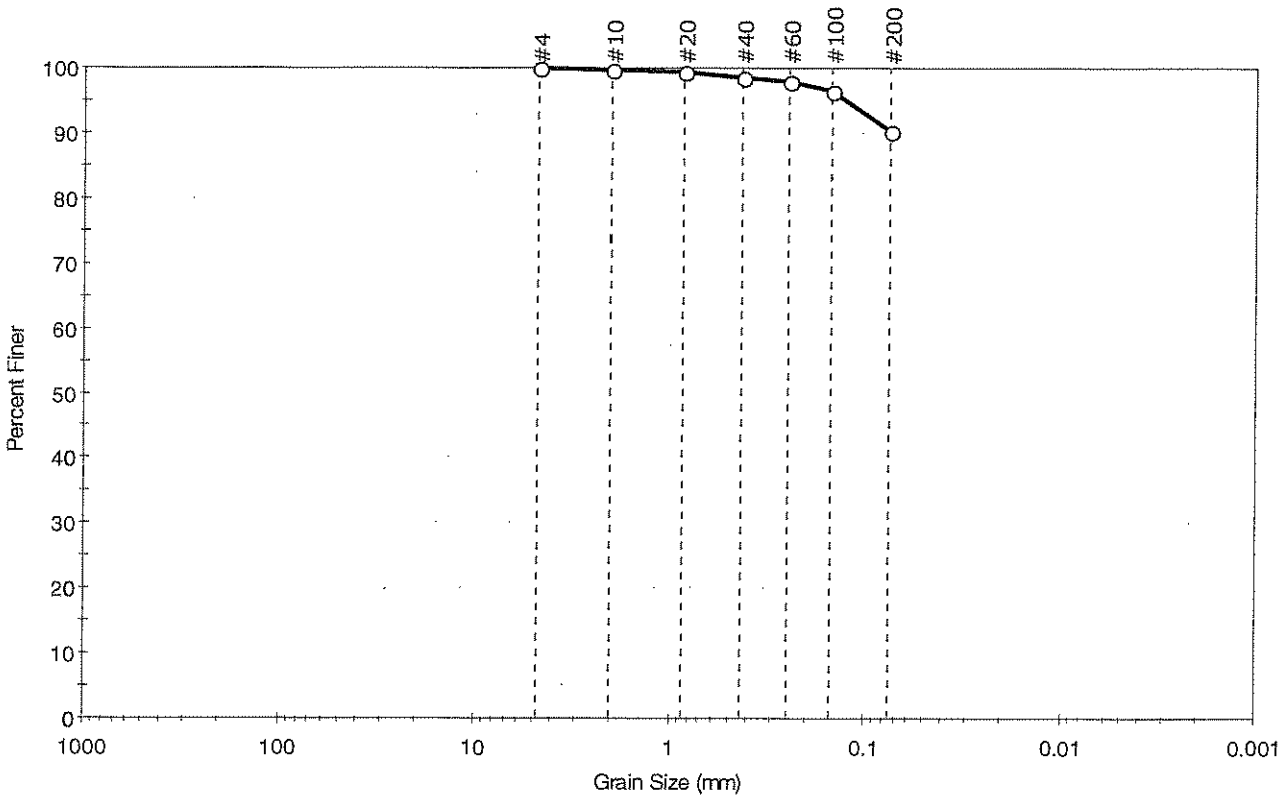
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED4	Sample Type: bag	Tested By:	jbr
Sample ID:65185-4	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168126		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown silt		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	0.0	9.8	90.2

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	99		
#40	0.42	99		
#60	0.25	98		
#100	0.15	96		
#200	0.075	90		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting express
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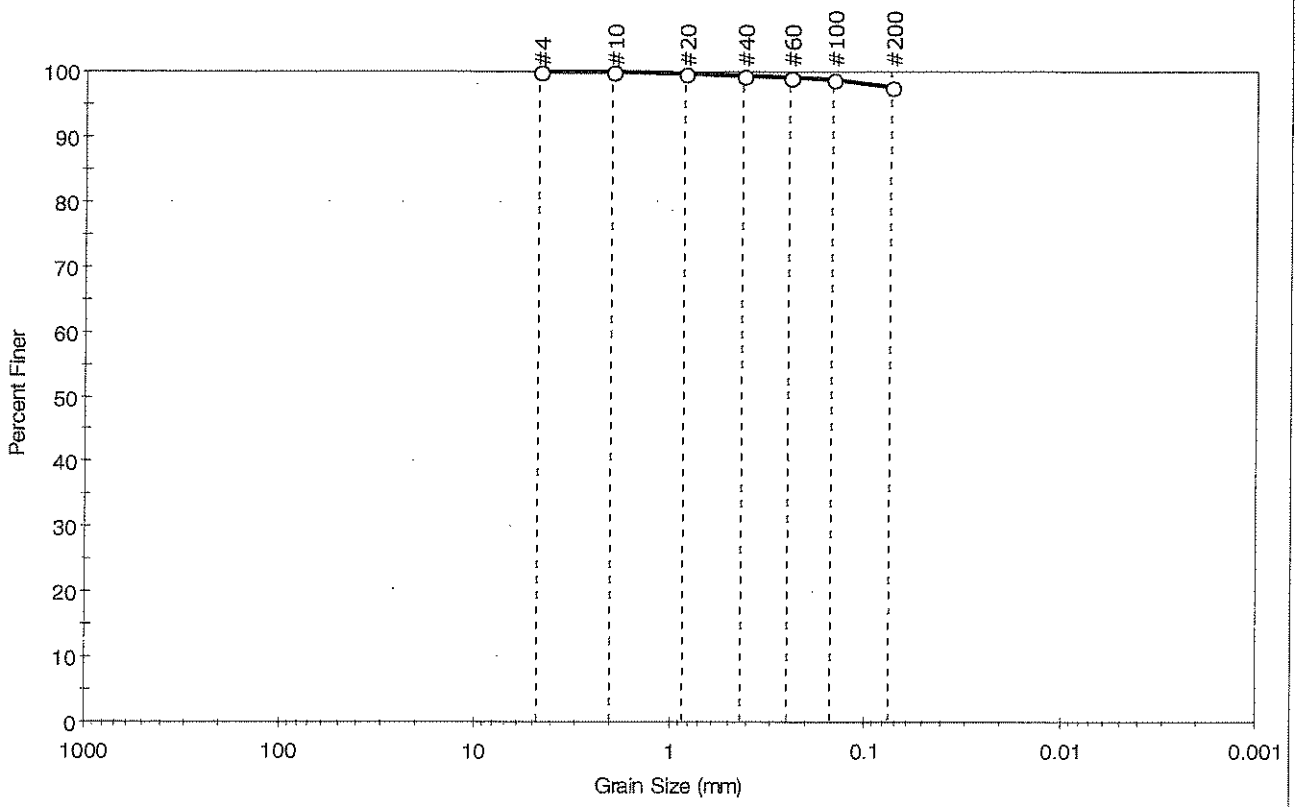
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED6	Sample Type: bag	Tested By:	jbr
Sample ID:65185-6	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168127		
Test Comment:	---		
Sample Description:	Moist, dark olive brown silt		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.0	2.5	97.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	99		
#60	0.25	99		
#100	0.15	99		
#200	0.075	98		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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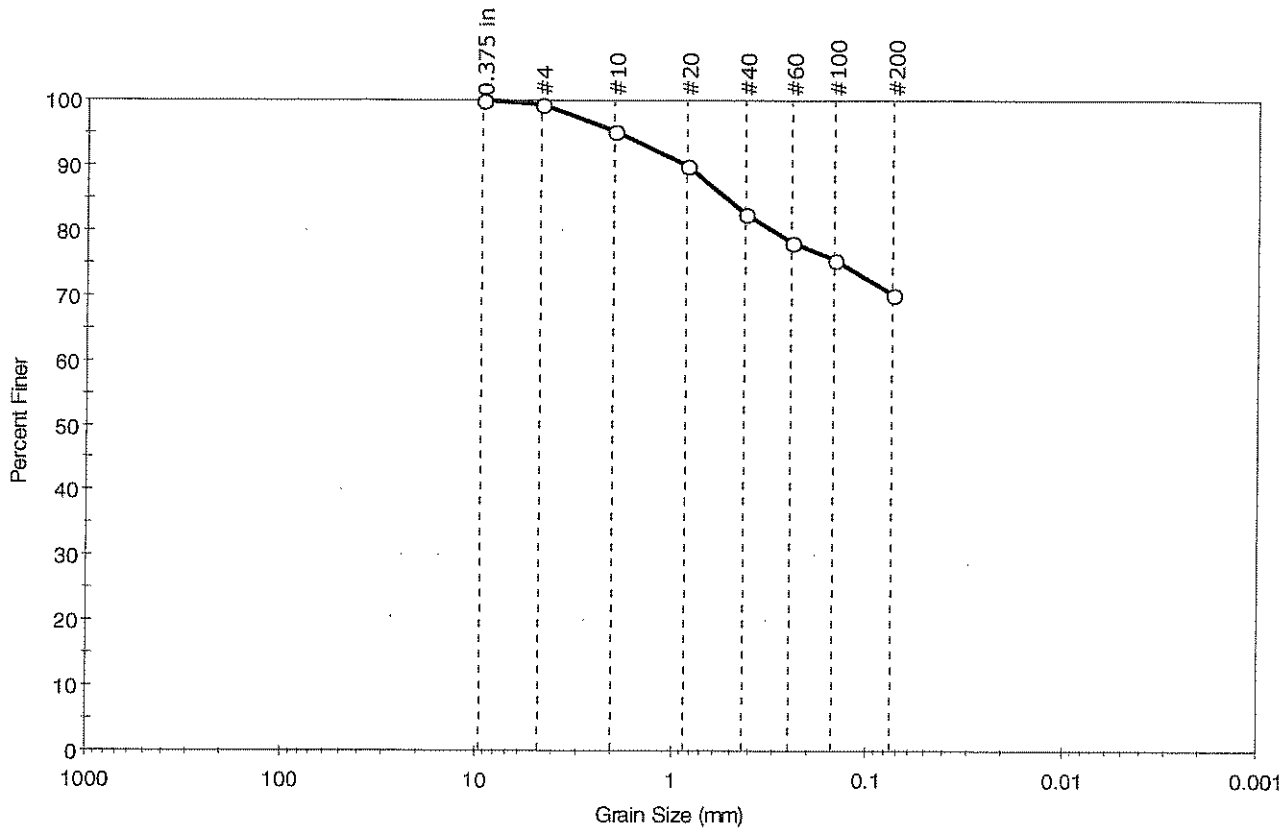
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED7	Sample Type: bag	Tested By:	jbr
Sample ID:65185-10	Test Date: 11/17/09	Checked By:	mpd
Depth : 0-1 ft	Test Id: 168128		
Test Comment:	---		
Sample Description:	Moist, very dark gray silt with sand		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.7	29.2	70.1

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	95		
#20	0.85	90		
#40	0.42	82		
#60	0.25	78		
#100	0.15	75		
#200	0.075	70		

Coefficients

D_{85} = 0.5391 mm	D_{30} = N/A
D_{60} = N/A	D_{15} = N/A
D_{50} = N/A	D_{10} = N/A
C_u = N/A	C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting express
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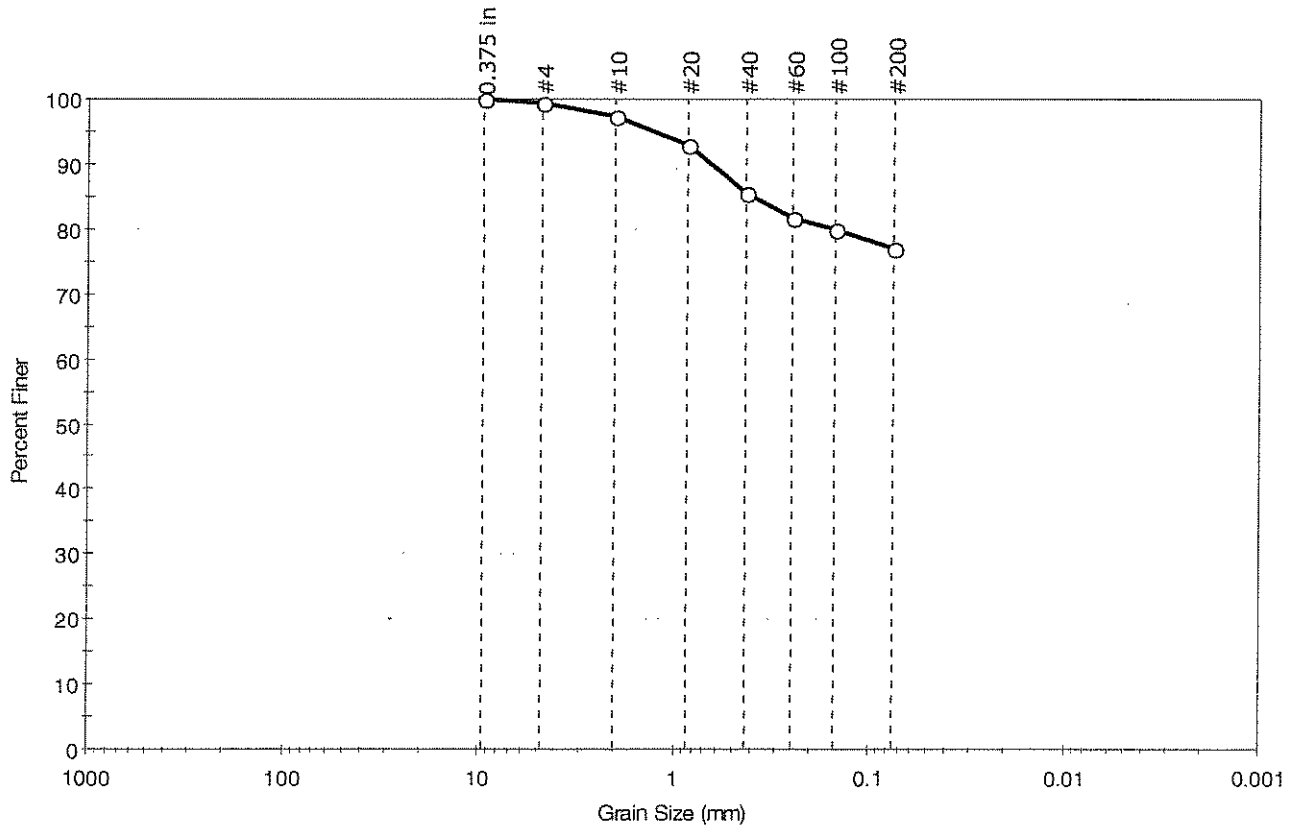
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED7	Sample Type: bag	Tested By:	jbr
Sample ID:65185-11	Test Date: 11/17/09	Checked By:	mpd
Depth : 1-2 ft	Test Id: 168129		
Test Comment:	---		
Sample Description:	Moist, dark grayish brown silt with sand		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	0.5	22.6	76.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	97		
#20	0.85	93		
#40	0.42	85		
#60	0.25	82		
#100	0.15	80		
#200	0.075	77		

Coefficients

D_{85} = 0.3993 mm D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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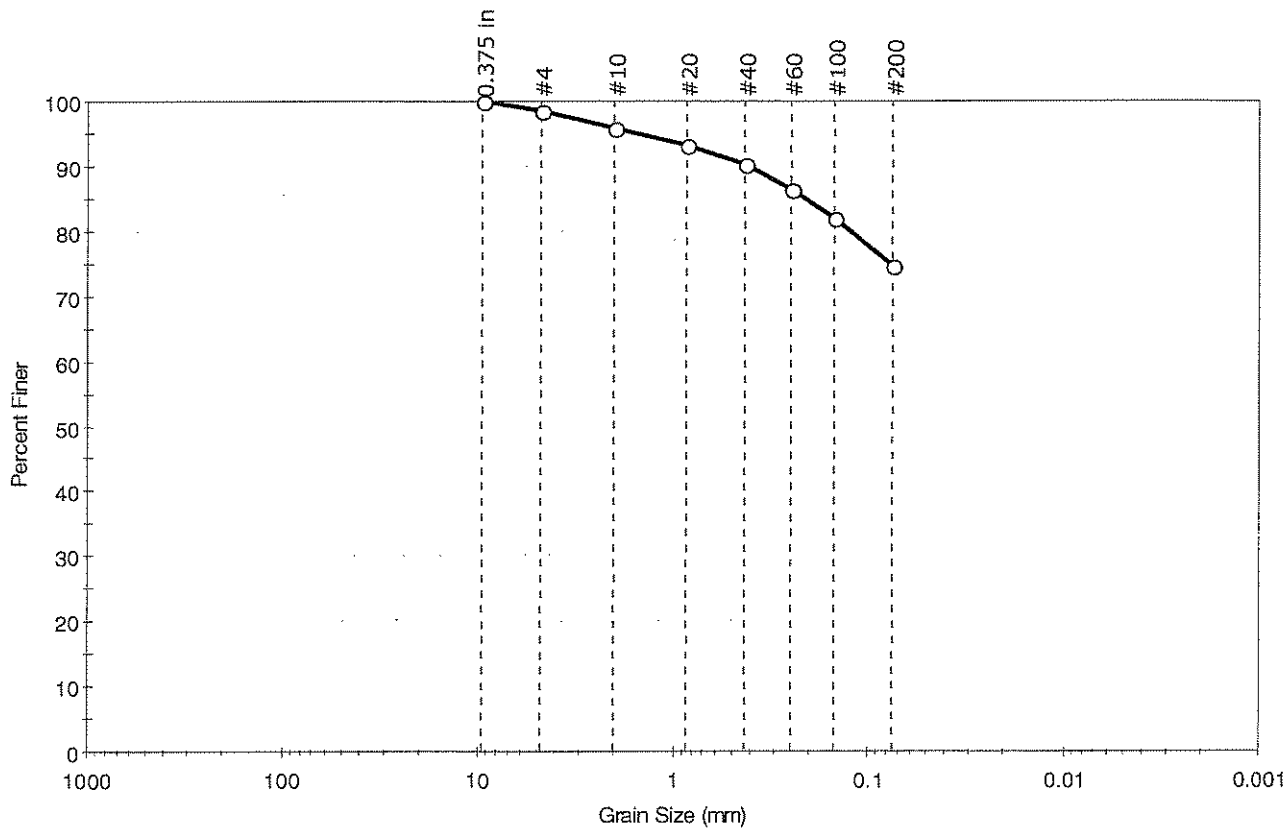
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED8	Sample Type: bag	Tested By:	jbr
Sample ID:65185-8	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168130		
Test Comment:	---		
Sample Description:	Moist, dark grayish brown silt with sand		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	1.4	24.1	74.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	99		
#10	2.00	96		
#20	0.85	93		
#40	0.42	90		
#60	0.25	86		
#100	0.15	82		
#200	0.075	75		

Coefficients

D_{85} = 0.2137 mm D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting express
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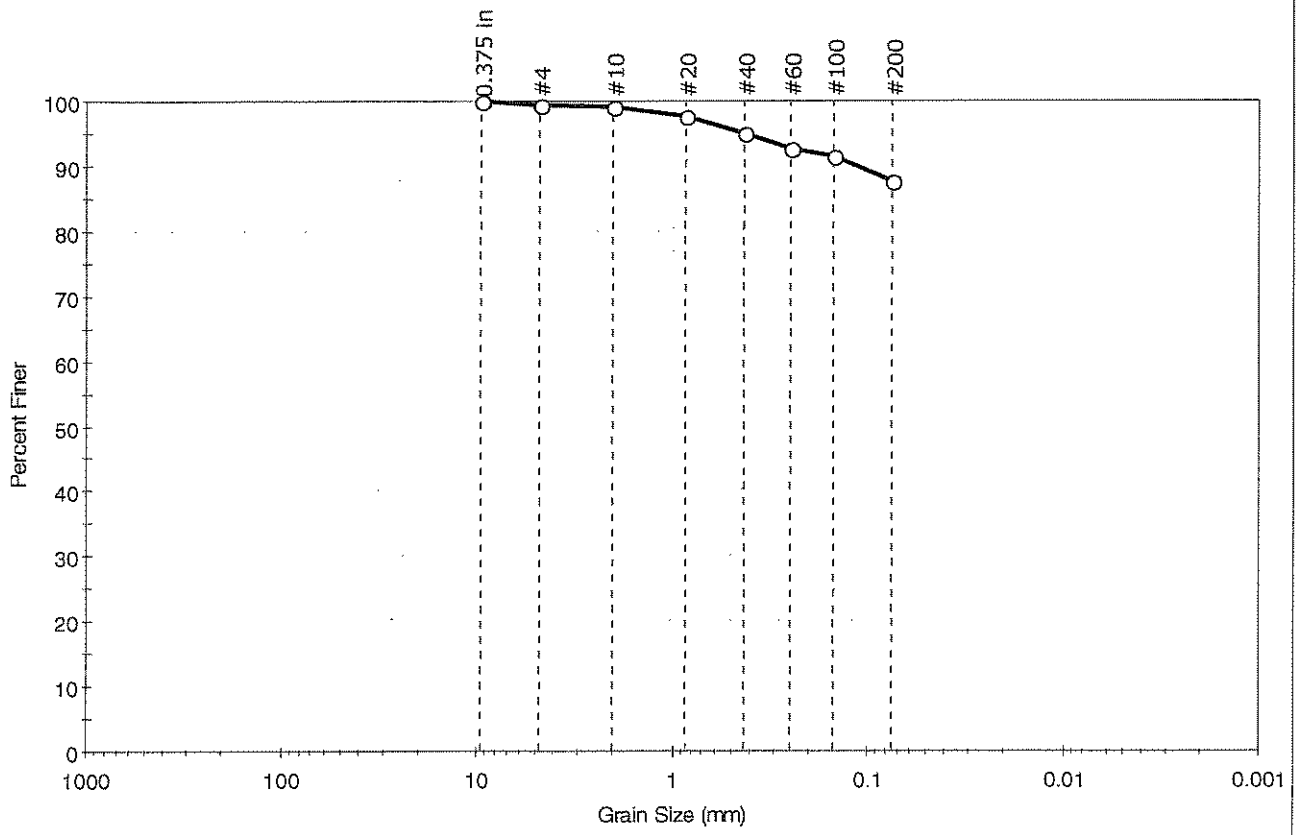
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED9	Sample Type: bag	Tested By:	jbr
Sample ID:65185-9	Test Date: 11/16/09	Checked By:	mpd
Depth : ---	Test Id: 168131		
Test Comment:	---		
Sample Description:	Wet, very dark gray silt		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	0.5	12.0	87.5

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	99		
#20	0.85	98		
#40	0.42	95		
#60	0.25	93		
#100	0.15	91		
#200	0.075	87		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

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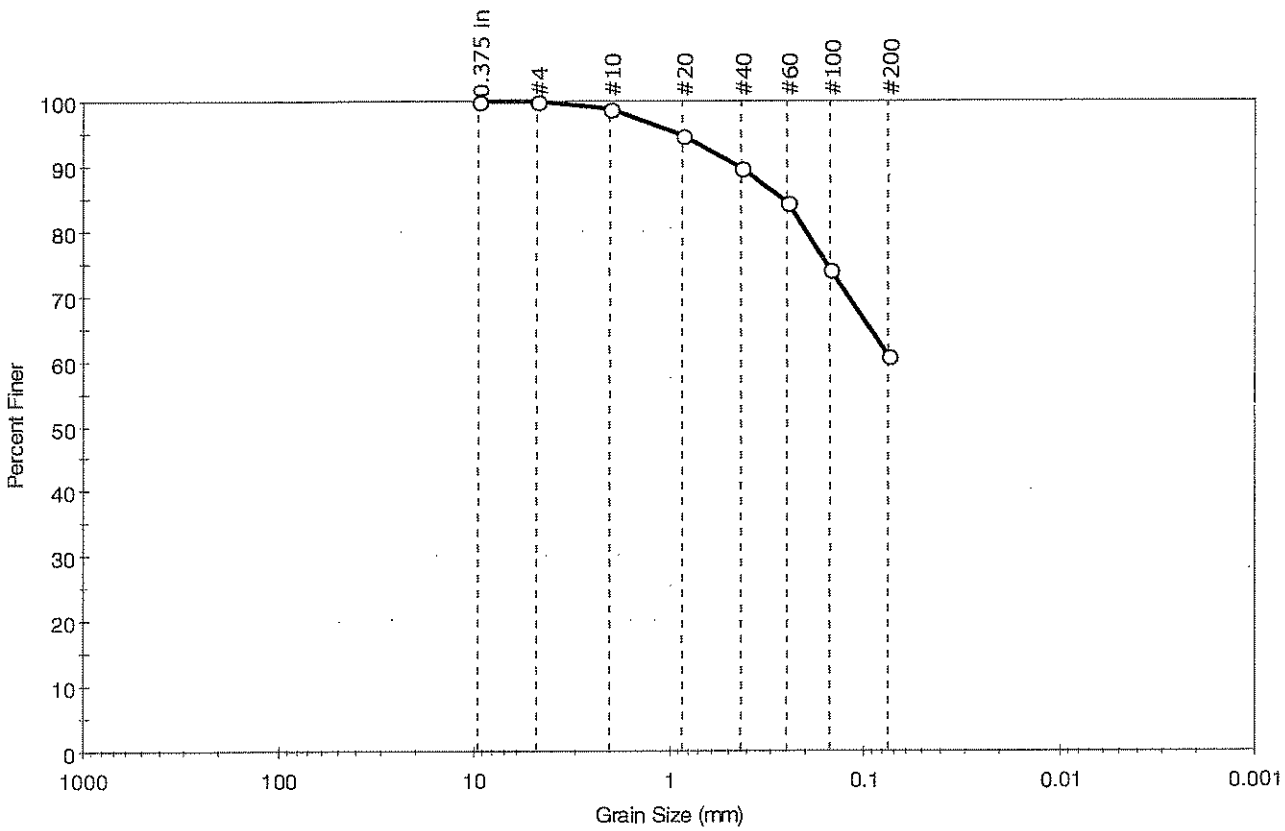
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED10	Sample Type: bag	Tested By:	jbr
Sample ID:65185-17	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168132		
Test Comment:	---		
Sample Description:	Moist, very dark grayish brown silt with sand		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
---	0.1	39.0	60.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.375 in	9.50	100		
#4	4.75	100		
#10	2.00	99		
#20	0.85	95		
#40	0.42	90		
#60	0.25	84		
#100	0.15	74		
#200	0.075	61		

Coefficients

D_{85} =0.2663 mm D_{30} =N/A
D_{60} =N/A D_{15} =N/A
D_{50} =N/A D_{10} =N/A
C_u =N/A C_c =N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting express
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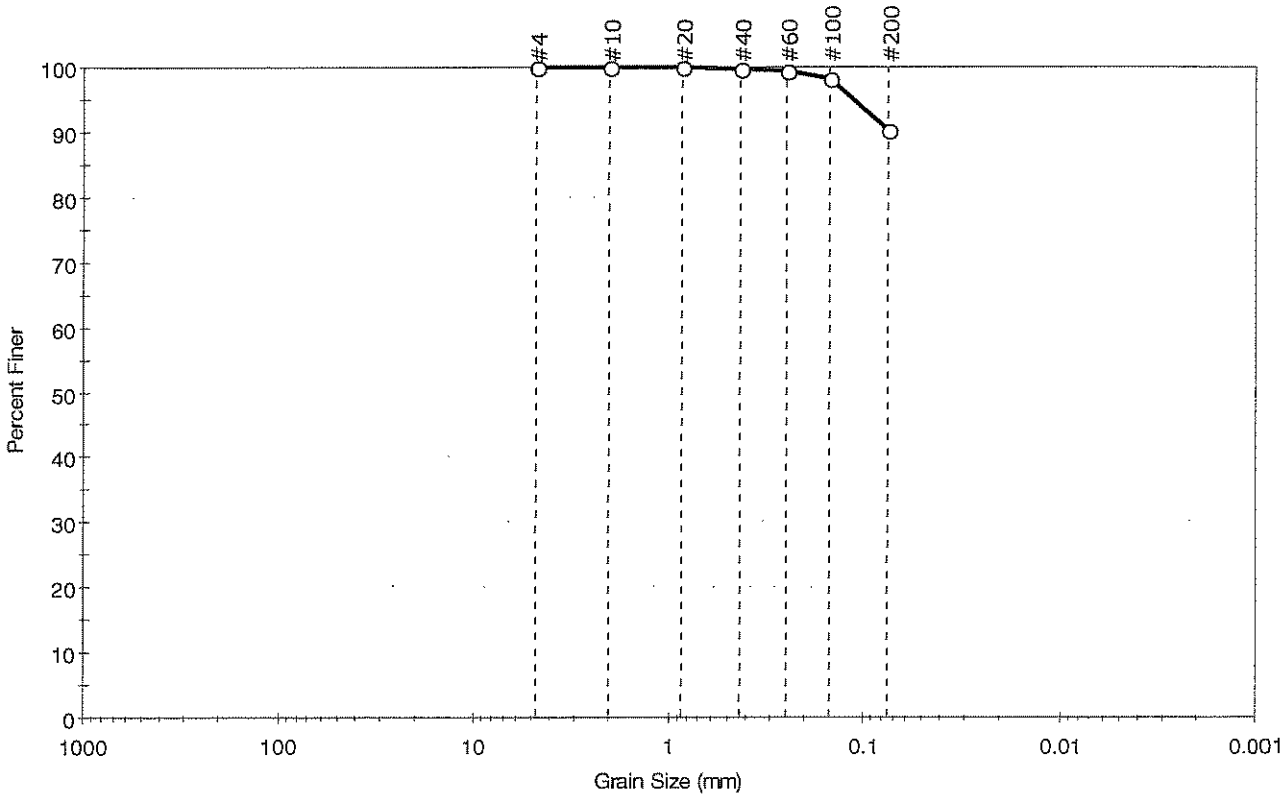
Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED11	Sample Type: bag	Tested By:	jbr
Sample ID:65185-18	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168133		
Test Comment:	---		
Sample Description:	Moist, olive brown silt		
Sample Comment:	---		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
--	0.0	9.7	90.3

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
#4	4.75	100		
#10	2.00	100		
#20	0.85	100		
#40	0.42	100		
#60	0.25	99		
#100	0.15	98		
#200	0.075	90		

Coefficients

D_{85} = N/A D_{30} = N/A
D_{60} = N/A D_{15} = N/A
D_{50} = N/A D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Soils (A-4 (0))

Sample/Test Description

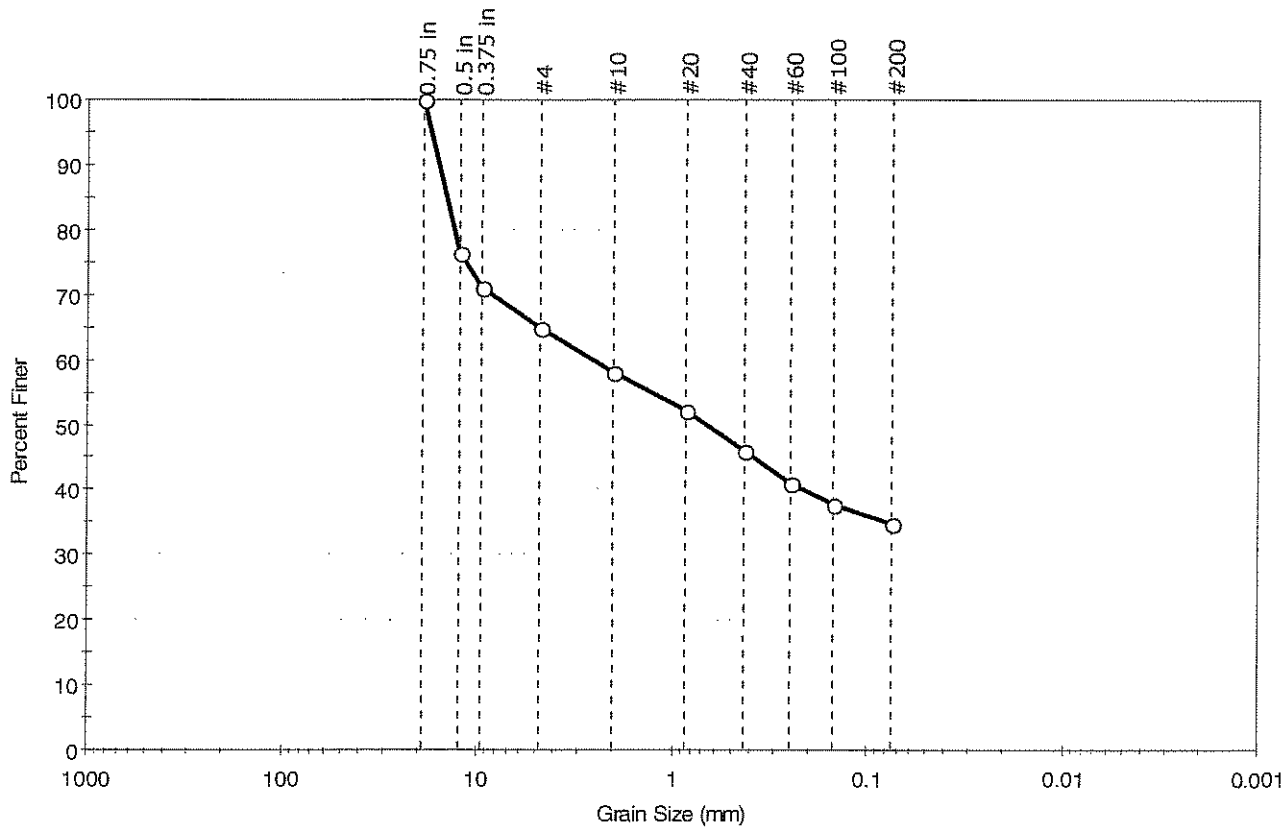
Sand/Gravel Particle Shape : ---

Sand/Gravel Hardness : ---

GeoTesting express
a subsidiary of Geocomp Corporation

Client:	Analytics Environmental Labora		
Project:	Oyster River		
Location:	NH	Project No:	GTX-9444
Boring ID: SED12	Sample Type: bag	Tested By:	jbr
Sample ID:65185-16	Test Date: 11/17/09	Checked By:	mpd
Depth : ---	Test Id: 168134		
Test Comment:	---		
Sample Description:	Moist, olive brown silty gravel with sand		
Sample Comment:	contains organics		

Particle Size Analysis - ASTM D 422-63 (reapproved 2002)



% Cobble	% Gravel	% Sand	% Silt & Clay Size
—	35.0	30.1	34.9

Sieve Name	Sieve Size, mm	Percent Finer	Spec. Percent	Complies
0.75 in	19.00	100		
0.5 in	12.50	76		
0.375 in	9.50	71		
#4	4.75	65		
#10	2.00	58		
#20	0.85	52		
#40	0.42	46		
#60	0.25	41		
#100	0.15	38		
#200	0.075	35		

Coefficients

D_{85} = 14.5513 mm D_{30} = N/A
D_{60} = 2.5661 mm D_{15} = N/A
D_{50} = 0.6620 mm D_{10} = N/A
C_u = N/A C_c = N/A

Classification

ASTM N/A

AASHTO Silty Gravel and Sand (A-2-4 (0))

Sample/Test Description

Sand/Gravel Particle Shape : ANGULAR

Sand/Gravel Hardness : HARD

Chain Of Custody Form

geotesting

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 1	10/31/09	9:00	SIEVE		X						S	1	P		65185 -1
SED2		9:30			X							1	P		-2
SED3		10:00			X							1	P		-3
SED4		10:30			X							1	P		-4
SED6		11:00			X							1	P		-6
SED 7 0-1		12:30			X							1	P		-10
SED 7 1-2		1:30			X							1	P		-11
SED8	10/31/09 ~~11/2/09~~	1:30			X							1	P		-8
SED9	10/31/09	2:00			X							1	P		-9
~~SED10~~ SED10	11/2/09	9:00			X							1	P		-17
SED11	11/2/09	10:30			X							1	P		-18

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☒ Standard

State:
☒ NH
☐ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard: _____
(eg. S-1 or GW-1)
EDD Required: Y* (N)
Type: _____

	Received By:	Time:	Date:	Relinquished By Sampler:
	Received By: FedEx	Time: 17:15	Date: 11/3/09	Relinquished By:
	Received By:	Time:	Date:	Relinquished By: FedEx

Page 1 of 2

Analytics\AEL Documents\AEL COC

11/17

Chain Of Custody Form

geotesting

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C _____
3) Received in good condition Y or N
4) pH checked by: _____
5) Labels checked by: _____

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 12	11/2/09	2:00	SIEVE		X						S	1	P		65185-16

Received By: FedEx Time: 17:15 Date: 11/3/09

Relinquished By: Sampler: Relinquished By: FedEx

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days
*Fee may apply; lab approval required

Comments / Instructions:

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☒ Standard

State:
☒ NH
☐ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard: _____
(eg. S-1 or GW-1)
EDD Required: Y* (N)
Type: _____

Analytics\AEL Documents\AEL COC

11/17

Chain Of Custody Form
MEL

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6.0°
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote # ~~00185 001805-35~~ 011805-35 AP 11/3/09
Sampler (Signature):

Matrix Key: C = Concrete, WP = Wipe, WW = Wastewater, SW = Surface Water, GW = Groundwater, DW = Drinking Water, S = Soil/Sludge, O = Oil, E = Extract

Container Key: P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 1	10/31/09	9:00	TOTAL RCRA 8		X						Sediment	1	9		65185-1
SED 2		9:30			X							1	9		-2
SED 3		10:00			X							1	9		-3
SED 4		10:30			X							1	9		-4
SED 5		11:00			X							1	9		-5
SED 6		11:30			X							1	9		-6
SED 7		12:30			X							1	9		-7
SED 8		1:30			X							1	9		-8
SED 9		2:00			X							1	9		-9
SED 10A	11/2/09	9:00			X							1	9		-12
SED 10B		9:05			X							1	9		-13

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
- [ ] 24hr*
- [ ] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [x] 10 Days

*Fee may apply, lab approval required

Comments / Instructions: All to do % solids

Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [x] Standard

State:
- [x] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Relinquished By Sampler:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Time:	Time:	Time: 11:37	Time:	Time:	Time:
Date:	Date:	Date: 11/3/09	Date:	Date:	Date:

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11/17

Chain Of Custody Form
MEL

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 4 03/28/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 6.0°
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by: gcm

Project#: Proj. Name: OYSTER RIVER
Company: ANALYTICS Environmental Laboratory LLC
Contact: Ms. Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 65185 Quote # ~~001805-35~~ 011805-35 CP 11/3/09
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
ED 11A	11/2/09	10:30	Total RCRA 8		X						Sediment	1	9		65185-14
ED 11B		10:35			X							1	9		-15
ED 12		2:00			X							1	9		-16

Preservation

Email Results to:
mgulli@analyticslab.com
sknollmeyer@analyticslab.com

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days
*Fee may apply, lab approval required

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).

Method Type: RCRA NPDES DW
Metals (Aqueous) Total or Dissolved Field Filtered

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☒ Standard

State:
☒ NH
☐ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type:

Received By:	Received By:	Received By:
Time:	Time: 1137	Time:
Date:	Date: 11/3/09	Date:
Relinquished By Sampler:	Relinquished By:	Relinquished By:

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Analytics Report 65185 page 0082 of 84

Analytics\AEL Documents\AEL COC 11/17

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 3.5, 3.8, 25
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CP 11/3/09

Project#: Proj. Name: OYSTER RIVER
Company: HYDROTERRA ENVIRONMENTAL
Contact: ~~272~~ JACK MCKENNA
Address: 272 1/2 DOVER POINT ROAD
DOVER NH 03820
Phone: 603 743-5728 PO# Quote #
Sampler (Signature): [signature]

Matrix Key:
C = Concrete
WP = Wipe SEDIMENT
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type	pH	Analytics Sample #
SED 1	10/31/09	9:00	VOC/PAHs/METALS/PEST/PCB SIEVE											65185-1
SED 2	"	9:30	" " "											-2
SED 3	"	10:00	" " " " "											-3
SED 4	"	10:30	" " " " "											-4
SED 5	"	11:00	SAME AS ABOVE											NO SIEVE-5
SED 6	"	11:30	" " + SIEVE											-6
SED 7*	"	12:30	" " " ~~SIEVE~~ AP 11/3/09											-7
SED 8	"	1:30	" " " SIEVE											-8
SED 9	"	2:00	" " " SIEVE											-9
SED 7 0-1	10/31/09	12:30	SIEVE											-10
SED 7 ~~0~~ 1-2 AP 11/2/09	10/31/09	1:30	SIEVE											-11

Email Results to:
HYDROTERR@AOL.COM

Turnaround Time (TAT)
- [ ] 24hr*
- [ ] 48hr*
- [ ] 72hr*
- [ ] 5 Days*
- [x] 10 Days

*Fee may apply; lab approval required

Comments / Instructions:
ALL SAMPLES VOC, PAHs METALS PEST/PCB AND SIEVE ANALYSIS
NO SIEVE FOR SED 5

Project Requirements:
*Fee may apply

Report Type:
- [ ] MCP*
- [ ] Level II*
- [ ] CTRCP*
- [ ] Level III*
- [ ] DOD*
- [ ] Level IV*
- [x] Standard

State:
- [x] NH
- [ ] MA
- [ ] ME
- [ ] CT
- [ ] RI

Other:

State Standard: (eg. S-1 or GW-1)

EDD Required: Y* N

Type:

Received By: [signature] Time: 7:45 Date: 11/3/09

Relinquished By Sampler: Time: Date:

Analytics\AEL Documents\AEL COC

*Per Jack McKenna, on 11/3/09 at 8:48 AM, samples SED 7 0-1 and SED 7 1-2 to be added to chain for SIEVE analysis only; SED10A and SED10B composited into SED10 for sieve and VOCs AP 11/3/09 analysis ~~AP 11/4~~; SED 10 added to chain AP 11/3/09

Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 5 06/18/08

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 3.5, 3.8, 2.5
3) Received in good condition Y or N
4) pH checked by: N/A
5) Labels checked by: CP 11/3/09

Project#: Proj. Name: OYSTER RIVER
Company: HYDROTERRA ENVIRONMENTAL
Contact: JACK McKENNA
Address: 272 1/2 DOVER POINT ROAD
DOVER NH 03820
Phone: 603 743-5728 PO# Quote #
Sampler (Signature):

Matrix Key:
C = Concrete
WP = Wipe SEDIMENT
WW = Wastewater
SW = Surface Water
GW = Groundwater
DW = Drinking Water
S = Soil/Sludge
O = Oil
E = Extract

Container Key
P=plastic G=glass

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4° C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
SED 10A	11/2/09	9:00	~~VOC~~/PAHs/METAL/ (CP 11/3/09)												65185-12
SED 10B	11/2/09	9:05	PEST/ECB/~~SIEVE~~ (CP 11/3/09)												-13
SED 11A	↓	10:30	VOC/PAHs/METAL/PEST/ECB												-14
SED 11B		10:35	VOC/PAHs/Metals/PEST/ECB												-15
SED 12		2:00	↓												-16
SED 10	11/2/09	9:00	SIEVE; VOCs												-17
SED 11	11/2/09	10:30	SIEVE												-18
TRIPBLANK												2	9		-19

Received By: Jenna L Jenis Time: 7:45 Date: 11/3/09

Relinquished By Sampler: Time: Date:

Email Results to:
HYDROTERR@AOL.COM

Comments / Instructions:

Turnaround Time (TAT)
☐ 24hr* ☐ 48hr*
☐ 72hr* ☐ 5 Days*
☒ 10 Days
*Fee may apply; lab approval required

Project Requirements:
*Fee may apply

Report Type:
☐ MCP* ☐ Level II*
☐ CTRCP* ☐ Level III*
☐ DOD* ☐ Level IV*
☒ Standard

State:
☒ NH
☐ MA
☐ ME
☐ CT
☐ RI
Other:

State Standard:
(eg. S-1 or GW-1)
EDD Required: Y* N
Type: