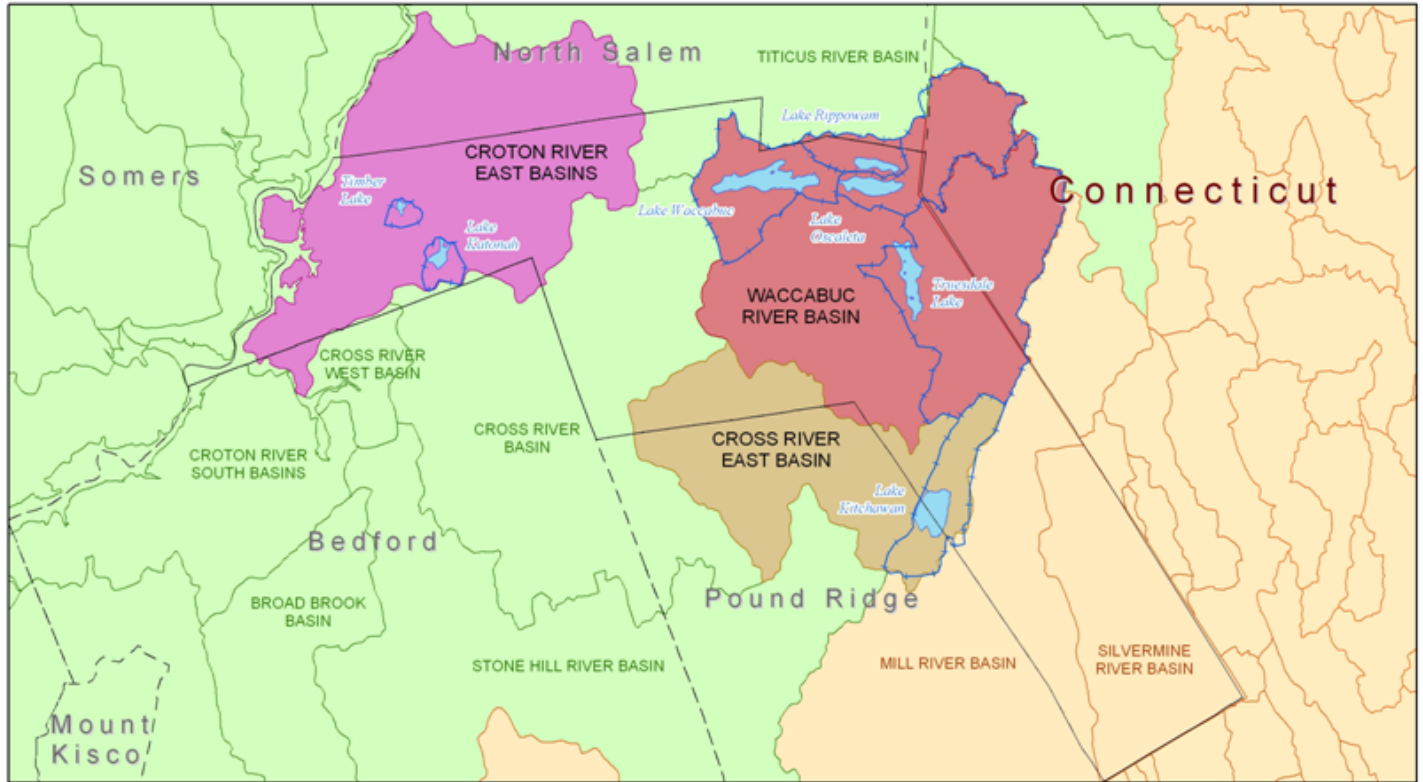


ATTACHMENTS



Town-wide Comprehensive Lakes Management Plan



Town of Lewisboro, New York
Edward Brancati, Town Supervisor

Final Report
FEBRUARY 6, 2009



Attachment 1

Local Laws to Regulate Actions that Affect Water Quality

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Attachment 1

Local Laws to Regulate Actions that Affect Water Quality

The Town of Lewisboro has implemented local laws that can regulate actions which may impact water quality in the lakes. Best Management Practices (BMPs) are used to mitigate the impact of regulated actions on water quality. These BMPs can be grouped into four categories¹:

- Reduction of nutrients in nonpoint and point source runoff
- Control and minimization of erosion and sedimentation
- Management of stormwater runoff
- Pollution prevention measures

Using these four categories, the Town Codes of Lewisboro were reviewed to identify existing codes that require implementation of BMPs and gaps where BMP opportunities are not addressed.

The Town Codes for other towns in New York State, as well as the Town of Ridgefield in Connecticut, were reviewed to find examples of how other communities are implementing local regulations to address BMPs and water quality. The Town of Ridgefield, Connecticut, was included in this review since a portion of the town lies within the watersheds of Truesdale and Oscaleta Lakes. These examples provide Lewisboro with ideas for how to improve their Town Codes and manage water quality for the town's lakes.

1. Lewisboro Town Code Review

Review and analysis of the existing data associated with the seven lakes in the Town of Lewisboro revealed that water quality is most impacted by nutrient loading to the lakes. Therefore, reduction of nutrients in nonpoint and point source runoff is the first priority for the Town to address. Erosion and sedimentation, stormwater runoff management, and pollution prevention measures are also important, but these issues may be considered a secondary priority relative to the greater impact that nutrient loading has on the lakes.

1.1. Reduction of nutrients in nonpoint and point source runoff

Nutrients such as phosphorus and nitrogen are necessary to support aquatic plant life in lakes. However, when levels of nutrients are too high, algal blooms occur. These blooms reduce water clarity, cutting off sunlight to aquatic plants and impairing recreational uses. There may be mats of algae floating in the lake, and there may be unpleasant odors from decaying mats washed up along the shoreline.

When the algal blooms die, bacteria decompose the dead algae and consume dissolved oxygen in the lake, affecting fish and other aquatic organisms.

¹ Derived from Local Laws to Protect Finger Lakes Water Quality Project – Canandaigua, Cayuga and Conesus Lake Watersheds. Phase 1: Assessment of Ordinances and Practices. Genesee/Finger Lakes Regional Planning Council, July 2005.

To reduce algal growth in lakes, it is important to control nutrient loading to the lake. Sources of these nutrients include septic systems, commercial fertilizers, manure, compost, and overpopulation of waterfowl.

Based on review of the existing lake water quality data, septic system contributions appear to be the most significant source of nutrients to the lakes. During field observations, EcoLogic staff noted that many well-maintained, green lawns directly abut many of the lakes; fertilizer applications to these lawns would also contribute to nutrient loading to the lakes. Manure, compost and waterfowl contribute a relatively smaller proportion of nutrients.

1.1.1. Septic system contributions

Septic systems contribute nutrients to nearby water bodies, especially when the systems are failing. Suggested BMPs include:

- Routine inspection and maintenance of septic systems to identify failure problems early.
- Require certification of existing on-site septic systems for property transfers or building expansions.
- Maintain septic fields at a distance from water bodies to reduce the potential for nutrient transport.
- Eliminate the use of septic systems by connecting to municipal sanitary systems whenever possible.

The Town of Lewisboro Code includes prohibited, allowable, and regulated activities in wetlands relating to septic systems. Placement of a sewage disposal tank or plant or septic field is prohibited within any wetland or watercourse. Septic tank pumping is an allowable activity which does not require a permit. Repair of existing septic disposal facilities is a regulated activity and requires a permit (§217-5). In addition, the placement of sewage disposal tanks, plants and septic fields within the 150-foot buffer area of a wetland is discouraged (§217-6).

Connection to municipal sanitary sewer system is required where, in the opinion of the Planning Board, connection is possible and warranted (§195-23 and §220-26)

Chapter	Article	Sections
Chapter 217 Wetlands	n/a	§217-5. Prohibited, allowable and regulated activities. §217-6 - Permit procedures
Chapter 195 Subdivision of Land	Article V Design Standards	§195-23 – Improvements
Chapter 220 Zoning	Article IV District Regulations	§220-26. R-MF Multifamily Residence District

There are no Town Codes specifying the frequency of inspection of septic systems, or requiring certification of septic systems for property transfers or building expansion.

1.1.2. Lawns, golf courses, parks – fertilizers

Commercial fertilizers applied to lawns, golf courses and parks are sources of nutrients to the lakes. To protect water quality, suggested BMPs include:

- Minimize the use of fertilizers and establish buffer zones between fertilized areas and surface water bodies.
- Use indigenous vegetation as much as possible to reduce fertilizer requirements, which also minimizes the potential for introduction of invasive species.

There are no Town Codes that address application of fertilizers in the landscape. Buffer zones are identified in some Town Codes with respect to septic system placement and wetlands; however, buffer zones are not highlighted with respect to fertilizer applications.

1.1.3. Agriculture/manure/pet waste

Manure, compost piles, leaf litter, and pet wastes are sources of nutrients to the lakes. Suggested BMPs include:

- Keep runoff from manure, compost and other organic wastes away from streams and shorelines, either through containment structures or by establishing buffers.
- In agricultural practices, runoff of nutrients can also be minimized using Best Management Practices recommended by federal, state and local agricultural agencies.

The Town of Lewisboro Codes requires a Horse Management Plan, approved by the Planning Board, which includes “provisions for the storage, disposal or removal of manure and other wastes....” (§220-23) As part of this Code, storage and disposal of manure, soiled bedding and other materials that may impact water quality are prohibited within 150 feet of a watercourse or wetlands area, and wetland areas are to be designated and measures identified to prevent animal wastes from entering the area. Also in this code is the extension of the 150-foot boundary to include situations with farm animals and poultry.

Chapter	Article	Sections
Chapter 220 Zoning	Article IV District Regulations	§220-23 Schedule of regulations for residential districts.

The requirements under the Horse Management Plan could be extended to include compost piles. Agricultural BMPs to control nutrient loading are not specifically called out in the Town Code; however, since there is very little agriculture in the lakes’ watersheds, the inclusion of agricultural BMPs in the Town Code would not likely have an effect on the water quality of the lakes.

1.1.4. Waterfowl populations

In areas where geese are numerous, flocks may contribute too many nutrients to lakes through their wastes. Suggested BMPs include:

- Flocks should be managed to keep numbers in check.
- Town visitors and residents should be discouraged from feeding the birds, which will encourage the birds to find forage elsewhere.

There are no Town Codes that address controlling waterfowl sources of nutrients to the lakes.

1.2. Control and minimization of erosion and sedimentation

Erosion in upland areas and along stream banks transports soils, nutrients and other contaminants into the lakes. Accumulation of sediment reduces water depths in the lake over time, which impacts boating, swimming, and other uses. Dredging projects are typically implemented to restore the lake depth. By controlling erosion and reducing the volume of sediment transported to the lake, dredging – an expensive activity - would be required less frequently.

The transport of nutrients and other contaminants into the lakes also affect the quality of the water. This transport can be reduced by controlling erosion.

1.2.1. Upland areas – grading, construction (pre-, during and post-).

In areas upland of lakes and other waterbodies, development disturbs the vegetation and soils, leading to increased erosion. To minimize the potential for erosion, suggested BMPs include:

- Take into account the natural topography and soil type at the development site. Development should be limited to sites with stable soils and gentle slopes.
- Retain natural vegetation as much as possible in and around the site.
- When grading a site, road, or driveway, the grade should be limited.
- During construction, care should be taken to minimize the length of time soils are exposed, and disturbed soils should be stabilized as soon as possible. Erosion control measures that may be implemented during construction would include temporary vegetation or mulching.
- In addition to development sites, other sites in the watershed that are susceptible to erosion should be identified and plans made to stabilize these soils.

The watersheds for the seven lakes in Lewisboro have very steeply sloped areas. The Town of Lewisboro Code addresses upland erosion issues in several sections of

the Town Code, including sections on development, flood, wetlands, zoning, illicit stormwater discharge, and stormwater management:

Chapter	Article	Sections
Chapter 195 Subdivision of Land	Article V Design Standards	§195-21 - General provisions §195-23 - Improvements §195-25 - Erosion control standards.
Chapter 126 Flood		§126-2. Purpose <ul style="list-style-type: none"> • control development that may increase erosion; • control alteration of floodplains
Chapter 217 Wetlands	n/a	§217-1. Requirement that activities in wetlands/watercourses are not to increase erosion/sedimentation
Chapter 220 Zoning	Article III General Regulations	§220-15. Landscaping, screening and buffer areas
	Article VI Development Plan	§220-55. Parking areas will be designed to avoid erosion.
Chapter 188 Illicit discharge	Article IV Prohibition	§188-6 – Prohibition against activities contaminating stormwater
Chapter 189 Stormwater Mgmt	Article IV Stormwater Pollution Prevention Plans	§189-7 – SWPPPs for land development activities must address erosion/sediment controls, and water quantity/quality controls (post-construction stormwater runoff controls)
	Article V Requirements	§189-8 (A) - An application for approval of a SWPPP shall provide the information and erosion and sediment controls as listed. §189-8 (B, C) – Land development activities will include post-construction stormwater runoff controls; including inspection and maintenance

1.2.2. In lakes and streams – wakes, shoreline stabilization etc

Erosion and sedimentation also occur along shorelines and in streams, contributing to sediment loading to the lakes. Shoreline erosion can be controlled by these BMPs:

- Establishing no-wake zones, where boat speeds are regulated and near-shore wakes minimized.
- Use vegetation and bioengineering methods for controlling shoreline and stream bank erosion, although manmade structures may be used where necessary.
- In-stream crossings by heavy equipment or animals should be minimized.
- In-stream sedimentation can be controlled by designing structures such as bridge abutments in ways that minimize erosion energy.

The Town of Lewisboro Code addresses issues of temporary erosion control structures in streams during construction, and restricts in-stream crossings by heavy equipment:

Chapter	Article	Sections
Chapter 195 Subdivision of Land	Article V Design Standards	§195-25 - Erosion control standards
Chapter 189 Stormwater Mgmt	Article VII Maintenance, Inspection and Repair	§189-12 – Maintenance, inspection and repair of stormwater facilities 189-13 – Maintenance easement(s) 189-14 – Maintenance after construction 189-15 – Maintenance agreement 189-16 – Administration and inspection

No-wake zones and other shoreline erosion controls are not established in the Town Code. However, boat wakes in these lakes may not be a significant source of shoreline erosion due to limitation on motor boats:

- The Three Lakes (Waccabuc, Oscaleta and Rippowam) are called out in Chapter 89 with specific horsepower limitations, which limit the speed of the boats and reduce wakes.
- Gas-powered boats are not permitted on Truesdale Lake, or Timber Lake².

1.3. Management of stormwater runoff

Stormwater runoff represents a volume of water that does not infiltrate into the ground. Rather, it runs off impervious surfaces directly into streams and lakes, contributing to flooding, erosion, and the transport of nutrients and other contaminants. The volume and velocity of runoff should be controlled to minimize the transport of soils and contaminants to the lakes. Stormwater runoff may be reduced by limiting the amount of impervious surfaces in the watershed. Runoff may be controlled using basins and other structures.

1.3.1. Impervious surfaces (roads and roofs); loss of vegetative cover

Roadways, roofs, parking lots and other impervious surfaces allow stormwater to run off quickly rather than infiltrate into soils to recharge groundwater. The runoff also picks up pollutants from these surfaces and carries them to nearby waterbodies. By minimizing impervious surfaces in the watershed, the volume of runoff – and subsequent transport of contaminants – will be reduced.

Where vegetative cover is maintained, stormwater collects on leaves and drips through to the soil, gradually infiltrating to the groundwater. The presence of impervious surfaces allows stormwater to run off rapidly, contributing to erosion.

The Town of Lewisboro Code encourages preserving natural vegetative cover for land to be subdivided (Chapter 195) and restricts, in non-residential districts, the creation of impervious surfaces that do not conform to the site development plan approval procedures (Chapter 220). Stormwater management BMPs are mentioned

² <http://www.truesdalelake.com/modules/mydownloads/images/downloads/truesdaleboatsticker.pdf>

in the context of remediating discharge violations (Chapter 188), and are defined generally as:

“Schedules of activities, prohibitions of practices, general good house keeping practices, pollution prevention and educational practices, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants directly or indirectly to stormwater, receiving waters, or stormwater conveyance systems. BMPs also include treatment practices, operating procedures, and practices to control site runoff, spillage or leaks, sludge or water disposal, or drainage from raw materials storage.” (*Chapter 188*)

Chapter	Article	Sections
Chapter 195 Subdivision of Land	Article V Design Standards	§195-21-General provisions
Chapter 220 Zoning	Article VI Site Development	§220-44-Plan approval
Chapter 188 Illicit discharge	Article V Enforcement	§188-9 – Prevent, control and reduce stormwater pollutants using BMPs

1.3.2. Basins and control structures – prevent flooding, reduce volumes

The recommended BMPs to prevent flooding and reduce volumes of runoff include:

- Retention basins or other structures should be installed to reduce flow velocity, allow settling of materials carried by the runoff, and reduce the flood peak downstream. Shallow, vegetated basins are generally preferred. These structures should be maintained and inspected frequently to ensure that they function properly.
- In new developments, stormwater runoff plans should be required. Runoff calculations should include contributions from upgradient of the development site, as well as the potential impacts to runoff volumes downgradient of the site.

The Town of Lewisboro Code specifies that “stormwater retention ponds shall be considered as an integral part of the design wherever deemed feasible” (§195-23). Direct discharge of untreated stormwater runoff is prohibited under §217-5.

The Town Code also states that “A culvert or drainage facility shall, in each case, be large enough to accommodate potential runoff from its entire upstream drainage area, whether inside or outside the subdivision.” It is the responsibility of the Planning Board to “consider the effect of each subdivision on existing downstream drainage facilities outside the area of the subdivision. Where it is anticipated that the additional runoff incident to the development of the subdivision will overload an existing downstream drainage facility, the Planning Board shall notify the Town Board or other appropriate owners of downstream property of such potential condition” (§195-23).

Stormwater Pollution Prevention Plan (SWPPP) is “a plan for controlling stormwater runoff and pollutants from a site during and after construction activities”. SWPPP are required for land development activities in Lewisboro that are not exempted (§189.5). Maintenance of stormwater runoff control structures is also addressed in the Town Codes (§189-12).

The Town has implemented two codes to comply with Federal and State Phase II stormwater management requirements – Chapters 188 and 189.

Chapter	Article	Sections
Chapter 195 Subdivision of Land	Article III Application Procedure	§195-14 - Sketch plan conference and Planning Board review.
	Article V Design Standards	§195-23 – Improvements, (C) Drainage improvements
Chapter 217 Wetlands		§217-5 - Prohibited, allowable and regulated activities
Chapter 188 Illicit discharge	Article IV Prohibitions	§188-5(B) – continued existence of illicit connection §188-6 – Prohibition against activities contaminating stormwater
	Article V Enforcement	§188-8 – Enforcement, notification and remedy §188-9 – Prevent, control and reduce stormwater pollutants
Chapter 189 Stormwater Mgmt	Article IV SWPPP	§189-7 (D) SWPPP Review §189-7 (E) – Land development permits
	Article V Requirements	§189-8 – Stormwater pollution prevention plan requirements <ul style="list-style-type: none"> • A16&16 – Structural practices to divert flows from exposed soils • B&C – Water quantity and water quality controls §189-9 – Other environmental permits
	Article VI Performance & Design	§189-11 – Land development activities subject to design criteria §189-11(A) – Performance and design
	Article VII Maintenance, inspection & repair	§189-12 – Maintenance, inspection and repair of facilities
		§189-16 – Administration and inspection

1.4. Pollution prevention measures

Water quality is also affected by other forms of pollution. Sources of other pollutants include waste disposal, littering, spills, and road sanding or salting.

1.4.1. Waste disposal/littering

Chemical and other wastes should be kept from entering the water. Proper disposal of these wastes should be encouraged by providing easy ways for town residents and businesses to comply. Littering should be prohibited. Disposal areas such as landfills or incinerators should be located away from streams, wetlands and lake shorelines.

The Town of Lewisboro Code addresses garbage, rubbish and refuse under Chapter 134, and littering under Chapter 150. Overall, Chapter 134 addresses licensing for collectors, fees, acceptable and prohibited wastes, and compliance standards for pre-collection, collection practices, vehicle maintenance, and hours of operation. These contribute toward keeping waste contained and out of the waterways. Stormwater discharges and management are addressed under Chapters 188 and 189, respectively.

Chapter	Article	Sections
Chapter 134 Garbage, rubbish and refuse	n/a	all
Chapter 150 Littering	n/a	all
Chapter 188 Illicit discharge	Article 1 Purpose	§188-2 (E) - Public awareness
	Article V Enforcement	§188-12 – Access and monitoring of discharges §188-17 Alternative Remedies (B2) – Storm drain stenciling
Chapter 189 Stormwater Mgmt	Article V Requirements	§189-8 Stormwater pollution prevention plan requirements; A5&6 – Pollution prevention and construction/waste materials

1.4.2. Spill controls, emergency response

Control measures for liquid spills should be implemented to reduce accidental discharge of liquid contaminants to waterways. Storage tanks for fuels and other liquids should include proper secondary containment, with routine monitoring for leaks. Liquid transfer practices should be implemented to minimize the risk of spills. Persons responsible for maintaining liquid transfer and storage should have proper training in how to deal with spills.

There is one Town Code addressing spills, specifically the reporting and response requirements where such spills enter the Town's municipal separate storm sewer system.

Chapter	Article	Sections
Chapter 188 Illicit discharge	Article IV Prohibition	§188-6 – Prohibition against activities contaminating stormwater
	Article V - Enforcement	§188-8 (C) – Notification and response procedures §188-13 – Notification of spills

1.4.3. Marina activities

Located adjacent to waterways, marinas are prime areas for activities that may degrade water quality. Fuel storage and use should be carefully controlled to minimize release into the water. Boat wastes must be handled and disposed of properly by both boaters and marina staff. Any maintenance activities, such as

cleaning boat hulls, painting, or sand blasting, should be conducted away from the water under controlled conditions.

There are no Town Codes addressing marina activities. Since marinas were not observed on the seven Lewisboro Lakes during EcoLogic's field surveys, there would be no need for Town Codes addressing these activities.

1.4.4. Road sands and salts

Road sands and salts are dispersed throughout the town during winter months. These can impact water quality, particularly when applied near waterways. Application near waterways should be limited, and the amount applied to roads should be minimized as much as possible to protect water quality. Alternate products can be used. In the spring, street sweepers can be used to collect sand and salt before it runs off into surface water.

There are no Town Codes addressing road sanding or salting as it pertains to protecting lake water quality.

2. Other Town Codes Review

There are some gaps in the Town of Lewisboro Codes that, if filled, may provide more protection for the water quality in the Town's lakes. The Town of Ridgefield, Connecticut, as well as other communities around New York State, have implemented local laws³ that could be used as guidance as the Town of Lewisboro considers modifying their codes.

The following sections highlight those areas where a gap was identified in the Town of Lewisboro Codes, and how other communities have addressed the problem. Since review of existing data suggest that nutrient loading is the most significant impact to water quality in the lakes – particularly originating from septic systems – the emphasis for this review focused on septic regulations.

2.1. Reduction of nutrients in nonpoint and point source runoff

2.1.1. Septic system contributions

Septic systems have been identified as a significant source of nutrients to the lakes.

Town of Lewisboro Codes: There are no Town Codes addressing frequency of inspection of septic systems, or requiring certification of septic systems for property transfers or building expansion.

Other Town Codes: Other towns have addressed issues of septic systems and water quality in several different ways, as summarized below.

- **Steep Slope Protection**
Steep slopes are protected to minimize the impacts of development activities. Project review and permit approval are

³ Town codes can be found at www.generalcode.com

required prior to project commencement. This would include the approval of construction and placement of a sewage disposal system including septic tanks, drainage or leach fields.

- Establish minimum setback for sewage/septic
 - Minimum setback distances from water bodies are established for on-site sewage facilities and septic systems – for example, one town has required that a septic system may not be constructed within 100 feet of the lake body.
 - Specified distances from a wetland or watercourse are required based on the activity being performed. (see Town of Ridgefield Code, table under Section 4 for Permitted and non-Regulated Uses).
 - Permits are required before any activity can take place. Any permitted activity may be required to be conducted further from a water source than initially designated in order to protect said water source. Any septic system in an upland review area under construction or in need of repair should be permitted and not deemed as a regulated activity.
- Construction requirements
Single residences, multiple family residences, commercial properties or subdivisions near a water source are required to have a distribution box for septic tank overflow and an effluent disposal area in proper relation to the groundwater table.
- Public sewers
When public sewer becomes available to a property, that property is required to make a direct connection and the septic tank, cesspools and private sewage disposal facilities shall be abandoned and filled in.
- Routine testing and certification
 - One town requires testing with a conventional dye test and certification of septic systems every five years.
 - Some towns are requiring regular tank inspections in water quality protection zones to be pumped at least once every five years, the tanks inspected for damage and the system is running efficiently. After tank pumping, an inspection report must be done and filed with the NYSDEC.
- Restrictions on septic disposal
Towns require septic system users to restrict or eliminate materials that go into the septic. These restrictions include:
 - non-usage of septic tank additives
 - avoid use excessive quantities of detergents, kitchen wastes, laundry wastes and household chemicals

- avoid placing non-disposable items in the tank.

2.1.2. *Lawns, golf courses, parks – fertilizers*

Fertilizer application to lawns, parks or golf courses that abut lakes or streams may be direct sources of nutrients to the lakes.

Town of Lewisboro Codes: There are no Town Codes that address fertilizer application in the landscape.

Other Town Codes: Other towns in the region have implemented codes to address fertilizer application. For example, the Town of Ridgefield, in their Mamanasco Lake Protection Guidelines, requires the application of only organic slow release fertilizers, the amount of which is based on soil fertility tests.

2.2. Ridgefield Inland Wetlands and Watercourses Regulations⁴

The Town of Ridgefield has implemented Inland Wetlands and Watercourses Regulations. These regulations provide detailed guidelines for protecting water quality by protecting shorelines and using vegetative buffers with other best management practices consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (DEP Bulletin 34). Two appendices to the regulations are summarized below.

2.2.1. *Mamanasco Lake Protection Guidelines (Appendix A of the Ridgefield Inland Wetlands and Watercourses Regulations)*

The Town of Ridgefield developed these guidelines from a review of the literature and land use practices employed by other communities. Regions were defined as Region #1 (Shoreline and Shoreline Protection Area, from the lake surface to a point 100 ft inland) and Region #2 (the remainder of the watershed beyond Region #1).

The primary objectives within Region #1 on both developed and undeveloped parcels were (1) the creation of a vegetative littoral zone (0–3 ft in depth) and (2) upland buffer to filter surface runoff before it enters the lake.

For Region #2, recommendations were proposed to minimize runoff, including:

- Limited clear cutting of vegetation on individual lots
- Limit impervious surfaces on lots, and control runoff
- Provide upland vegetative buffers

Additional recommendations addressed topics such as:

- Improvements of infrastructure like roadways and drainage system

⁴ http://www.ridgefieldct.org/filestorage/46/78/1389/Microsoft_Word_-_IWWR_Appendix.pdf

- Turf grass management
- Septic system maintenance
- Riparian buffers

2.2.2. *Operation and Maintenance Guidelines (Appendix B of the Ridgefield Inland Wetlands and Watercourses Regulations)*

The Town of Ridgefield developed Operation and Maintenance Guidance for Low Impact Development Best Management Practices. These guidelines were intended for use of both the residential homeowner and the staff of the municipal department responsible for the maintenance of structures within the public rights of way. These guidelines were detailed in Appendix B of the Inland Wetlands and Watercourses Regulations.

2.2.2.1. *Biofiltration*

Examples of biofiltration practices discussed in Appendix B included:

- “Rain Garden” bioretention system - use plantings of native vegetation to maintain infiltrative capacity, provide soil stabilization and attenuation of nutrients and potential of nonpoint source pollutants
- Grassed lined swales - provide transmission of post-development runoff.
- Stormwater wetland - treatment is designed to accept stormwater runoff from impervious surfaces into a wetland basin to improve water quality.
- Infiltration level spreader - designed to accept pre-treated runoff from impervious surfaces associated with dwelling development.
- Stone trench drains - collect surface flows and roof runoff and infiltrate the runoff into the surrounding soil matrix.
- Vegetative filter strip - designed to accept stormwater runoff from the grass lined level spreader, roof runoff and sheet flow

2.2.2.2. *Stormwater Structures*

Examples of stormwater structures discussed in Appendix B included:

- Catch basins with deep sumps and hooded outlet - intended to collect stormwater runoff from the driveways, streets, parking areas and provide partial sediment removal and collection of floatables

- Large particle separators - provided to remove suspended sediment, floatable debris and solids and absorb pollutants from stormwater stream from travel surfaces
- Drop-inlet structures - intended to create shallow pools to pond water, entrap water borne sediment, reduce the erosion of stream beds and banks and provide a stable transition in stream elevations.

Attachment 2

**Water Quality and Sediment Data Collected in 2008
by EcoLogic, LLC**

EcoLogic 2008 Water Quality / Sediment Sampling

Sample Location Maps:

Lake Kitchawan

Truesdale Lake

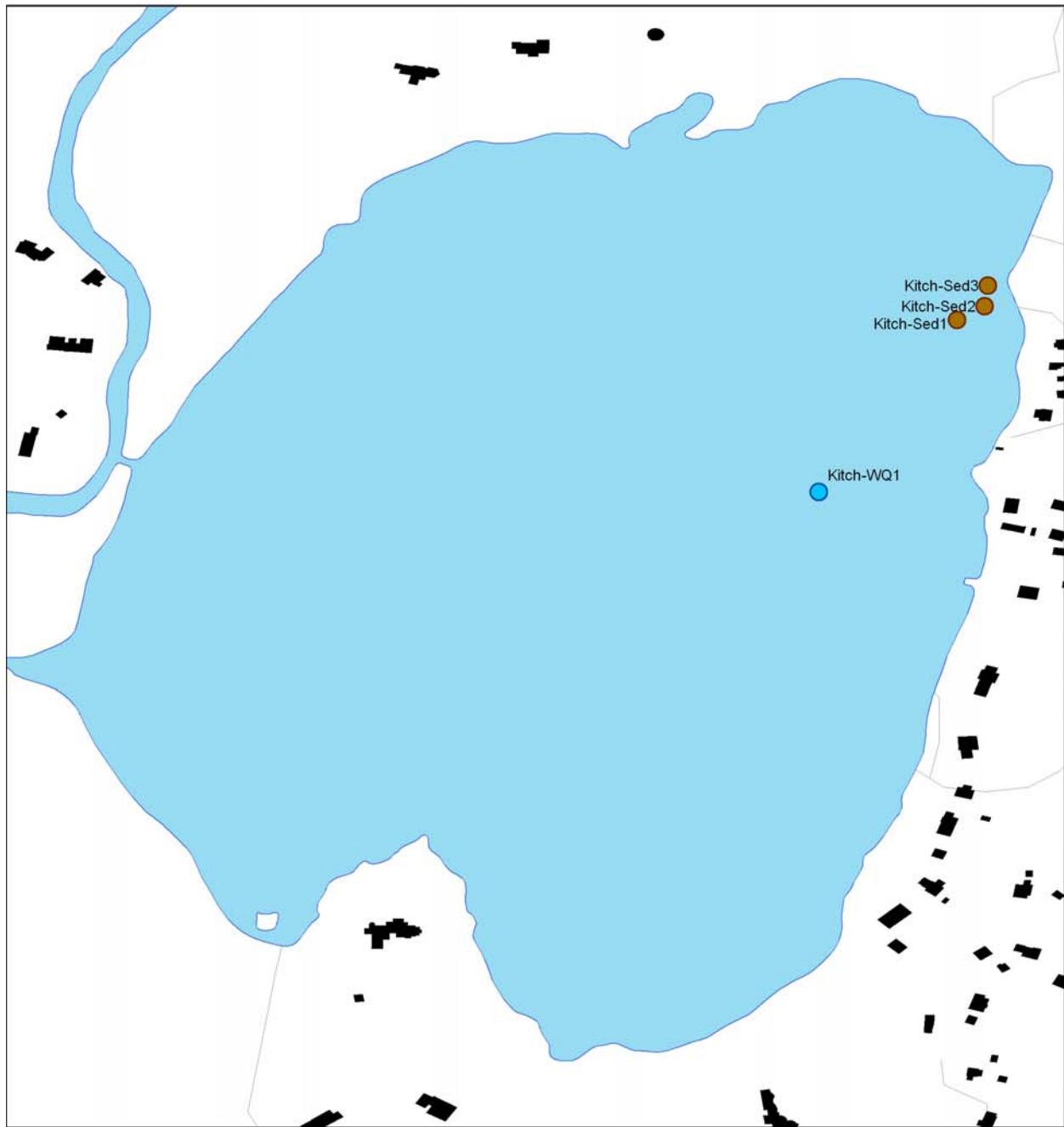
Lake Katonah

Timber Lake

Lake Waccabuc

Lake Oscaleta

Sample Locations August 2008
Lake Kitchawan



Legend

— Roads

■ Structures

Sample Type

● Sediment

● Water Quality

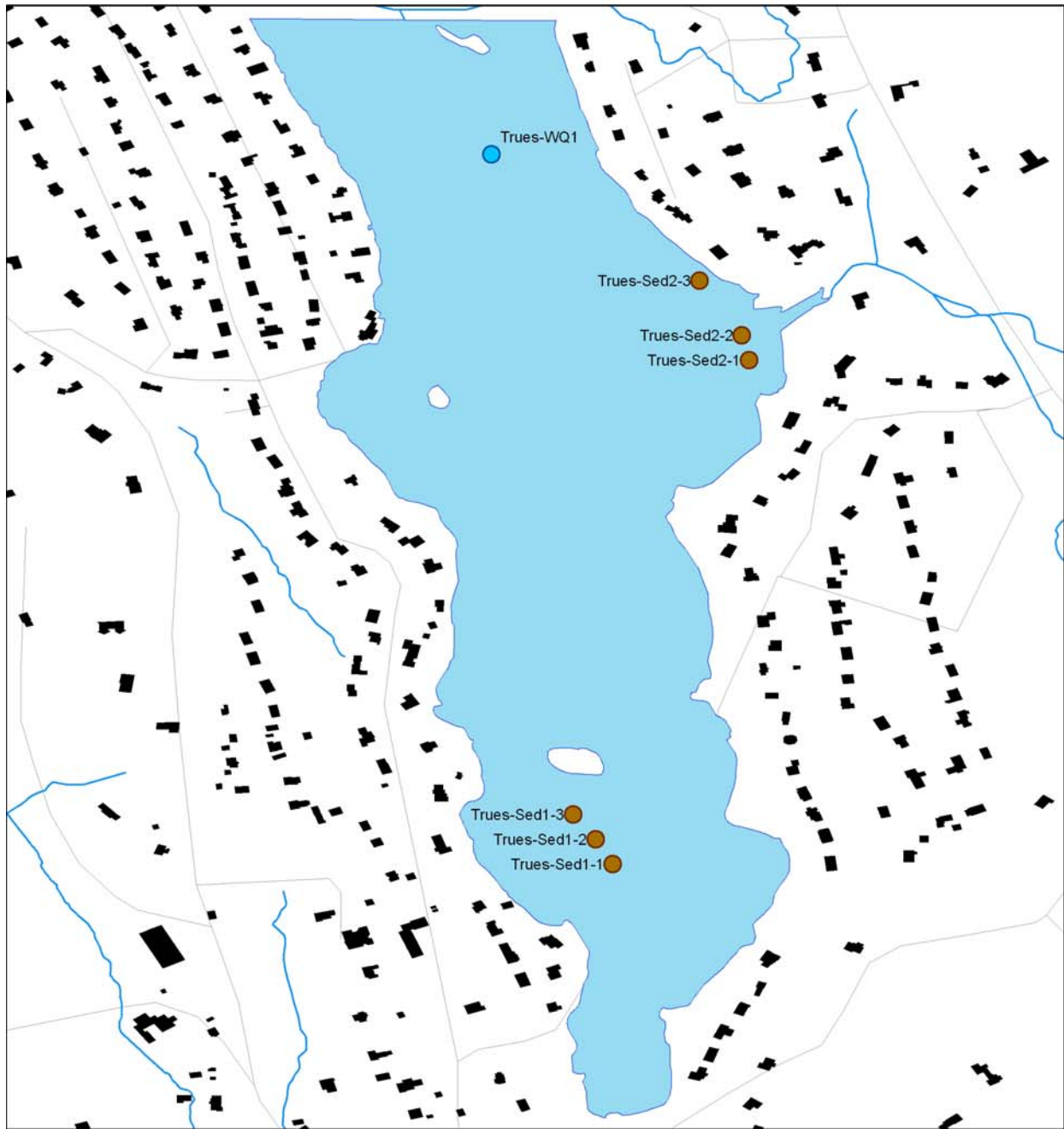
Sources:

Roads, structures and lakes: Obtained from the Westchester County web site
<http://giswww.westchestergov.com/>

Municipal planimetric datasets were photogrammetrically derived from the county's
2004 base map project and meet National Map Accuracy Standards at 1"=100'.



Sample Locations August 2008
Truesdale Lake



0 300 600 1,200 1,800 2,400 3,000 Feet

Legend

- Roads
- Structures
- Rivers

Sample Type

- Sediment
- Water Quality

Sources:

Roads, structures, rivers and lakes: Obtained from the Westchester County web site <http://giswww.westchestergov.com/>
Municipal planimetric datasets were photogrammetrically derived from the county's 2004 base map project and meet National Map Accuracy Standards at 1"=100'.



Sample Locations August 2008
Lake Katonah



0 100 200 400 600 800 1,000 Feet

Legend

— Roads

■ Structures

Sample Type

● Sediment

● Water Quality

Sources:

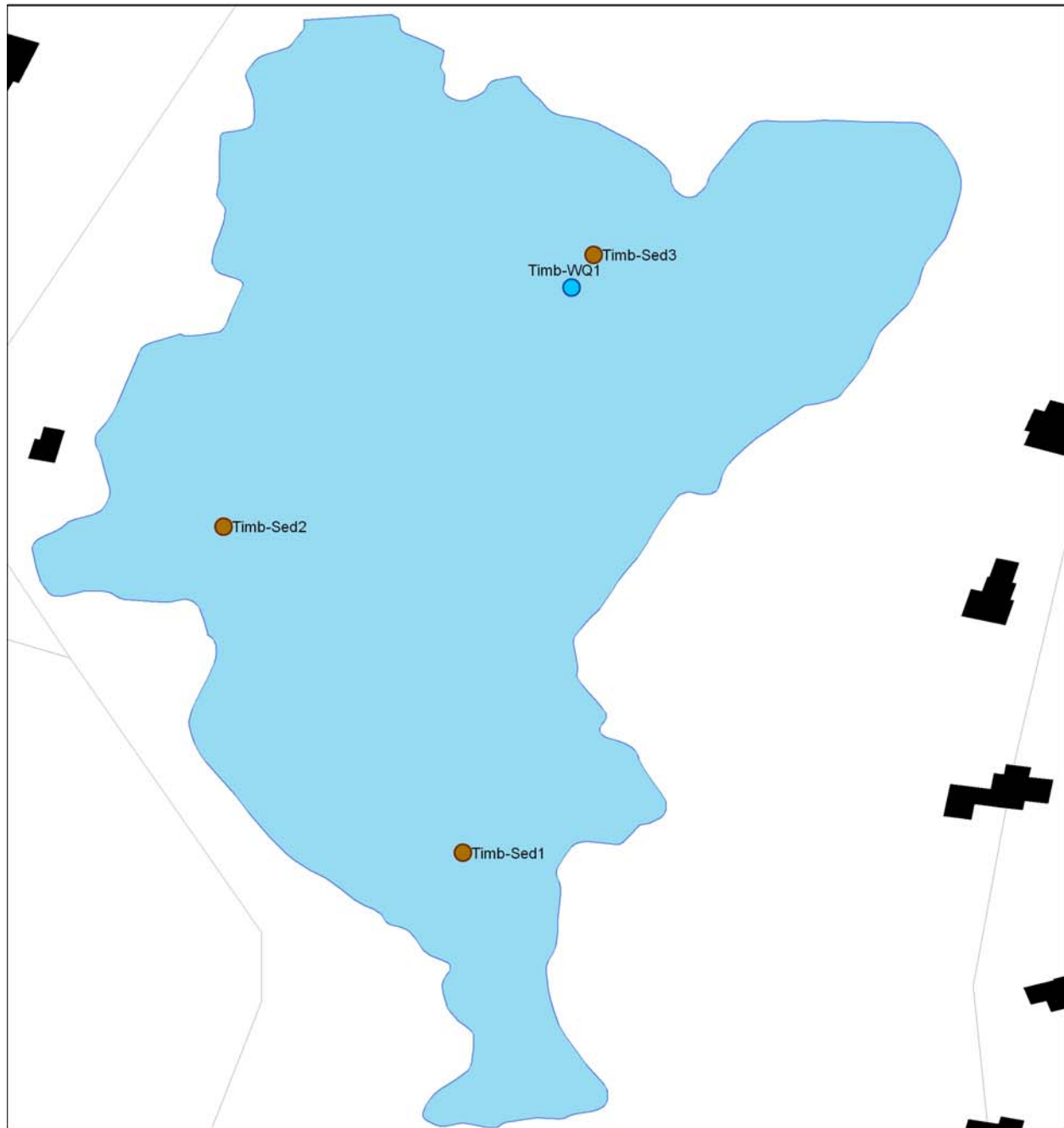
Roads, structures and lakes: Obtained from the Westchester County web site

<http://giswww.westchestergov.com/>

Municipal planimetric datasets were photogrammetrically derived from the county's 2004 base map project and meet National Map Accuracy Standards at 1"=100'.



**Sample Locations August 2008
Timber Lake**



0 50 100 200 300 400 500 Feet

Legend

— Roads
 ■ Structures

Sample Type

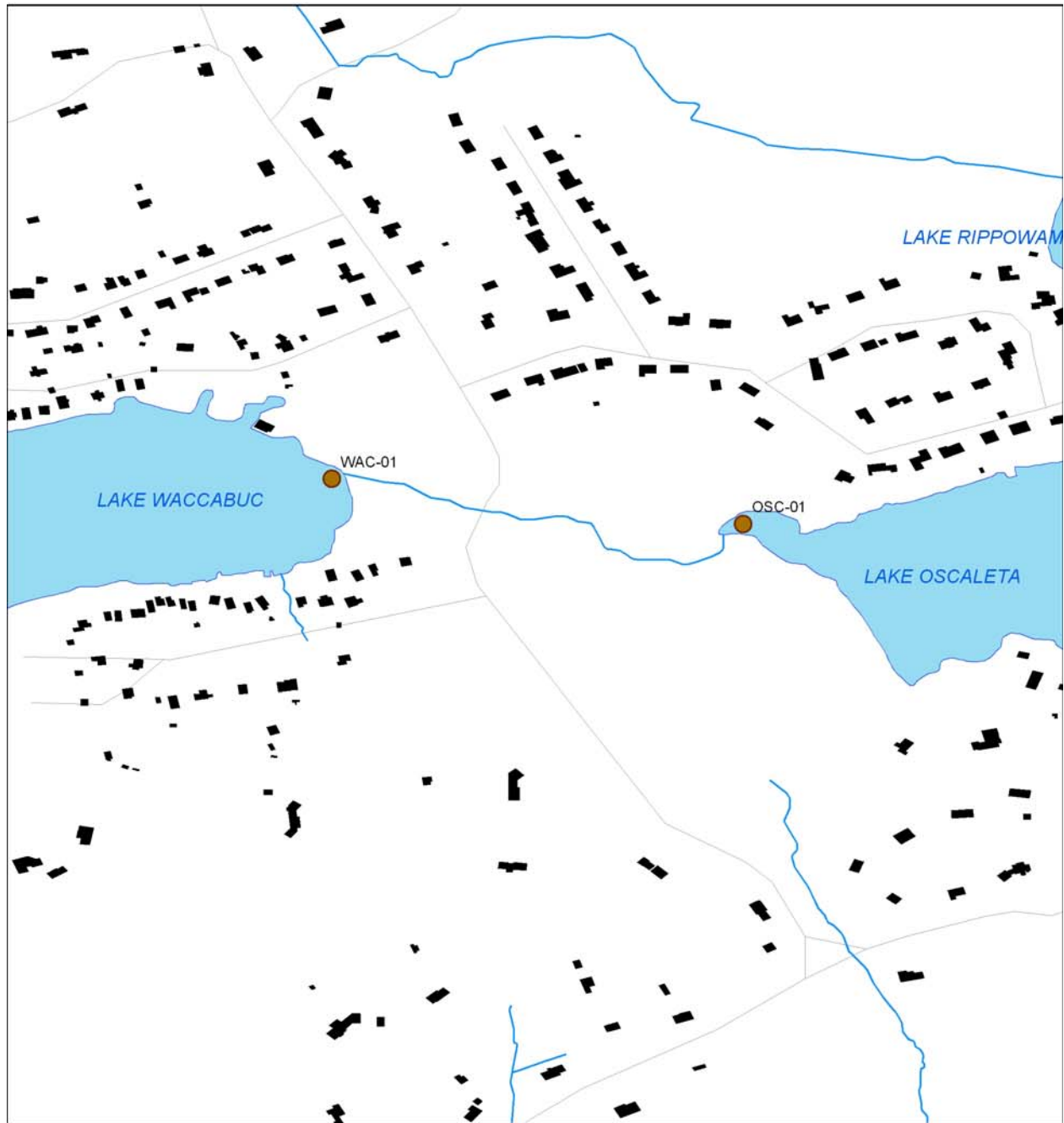
● Sediment
 ● Water Quality

Sources:

Roads, structures and lakes: Obtained from the Westchester County web site
<http://giswww.westchestergov.com/>
 Municipal planimetric datasets were photogrammetrically derived from the county's
 2004 base map project and meet National Map Accuracy Standards at 1"=100'.



Sample Locations May 2008
Lakes Oscaleta and Waccabuc



0 0.05 0.1 0.2 0.3 0.4 0.5 Miles

Legend

- Roads
- Rivers
- Structures

Type

- Sediment

Sources:

Roads, structures, rivers and lakes: Obtained from the Westchester County web site
<http://giswww.westchestergov.com/>
Municipal planimetric datasets were photogrammetrically derived from the county's
2004 base map project and meet National Map Accuracy Standards at 1"=100'.



EcoLogic 2008 Water Quality / Sediment Sampling

Water Quality Laboratory Analytical Results:

Lake Kitchawan

Truesdale Lake

Lake Katonah

Timber Lake

*Note that water quality data collected in 2008 for the Citizens State- wide
Lake Assessment Program (CSLAP) may be found through the web site
<http://lakelist.nysfola.org/>*



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132 1/2 Albany Street
Cazenovia, NY 13035

Phone: (315) 655-8305

FAX: (315) 655-4086

Laboratory Analysis Report

For

EcoLogic, LLC

Client Project ID:

Town of Lewisboro

LSL Project ID: **0814565**

Receive Date/Time: 08/14/08 15:34

Project Received by: LZ

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- (6) LSL Brittonfield Lab, East Syracuse, NY

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NYS DOH ELAP #10155

This report was reviewed by:


Life Science Laboratories, Inc.

Date:



A copy of this report was sent to:

Page 1 of 2

Date Printed:

9/18/08

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Kitchawon Top LSL Sample ID: 0814442-001
Location:
Sampled: 08/12/08 8:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level					
Phosphorus, Total as P	0.013	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.98*	mg/l	8/19/08	8/20/08	DRB
As per NELAC regulation, disclosure of the following condition is required; *The result of the laboratory control sample was greater than the established limit.					
(I) EPA 365.3 Soluble Orthophosphate as P					
Orthophosphate as P	0.0087*	mg/l		8/14/08	TER
(I) EPA Method 300.0 A					
Nitrate/Nitrite as N	0.049*	mg/l		9/23/08	DRB
(I) Filtering Charge					
Laboratory filtration charge				8/14/08	TER
(I) SM 18 10200H Chlorophyll-a					
Chlorophyll-a	0.014	mg/l		8/22/08	RAF
(I) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	54	mg/l		8/14/08	MP
(I) Total Nitrogen					
Total Nitrogen	1.0	mg/l		9/23/08	DRB

Sample ID: Kitchawon Bottom LSL Sample ID: 0814442-002
Location:
Sampled: 08/12/08 8:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level					
Phosphorus, Total as P	0.035	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.3*	mg/l	8/19/08	8/20/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P					
Orthophosphate as P	0.014*	mg/l		8/14/08	TER
(I) EPA Method 300.0 A					
Nitrate/Nitrite as N	0.17*	mg/l		9/23/08	DRB
(I) Filtering Charge					
Laboratory filtration charge				8/14/08	TER
(I) Total Nitrogen					
Total Nitrogen	1.5	mg/l		9/23/08	DRB

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Truesdale Top LSL Sample ID: 0814442-003
Location:
Sampled: 08/12/08 10:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.092	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	1.3*	mg/l	8/19/08	8/20/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	0.0070*	mg/l		8/14/08	TER
(I) EPA Method 300.0 A Nitrate/Nitrite as N	0.065*	mg/l		9/23/08	DRB
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) SM 18 10200H Chlorophyll-a Chlorophyll-a	0.12	mg/l		8/22/08	RAF
(I) SM 18 2320B, Alkalinity as CaCO3 Alkalinity	80	mg/l		8/14/08	MP
(I) Total Nitrogen Total Nitrogen	1.4	mg/l		9/23/08	DRB

Sample ID: Truesdale Bottom LSL Sample ID: 0814442-004
Location:
Sampled: 08/12/08 10:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.096	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	1.6*	mg/l	8/19/08	8/20/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	0.021*	mg/l		8/14/08	TER
(I) EPA Method 300.0 A Nitrate/Nitrite as N	0.092*	mg/l		9/23/08	DRB
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) Total Nitrogen Total Nitrogen	1.7	mg/l		9/23/08	DRB

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID:	Katonah Top	LSL Sample ID:	0814442-005
Location:			
Sampled:	08/12/08 14:30	Sampled By:	MA
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.092	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	2.9*	mg/l	8/19/08	8/20/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	0.010*	mg/l		8/14/08	TER
(I) EPA Method 300.0 A Nitrate/Nitrite as N	0.037*	mg/l		9/23/08	DRB
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) SM 18 10200H Chlorophyll-a Chlorophyll-a	0.17	mg/l		8/22/08	RAF
(I) SM 18 2320B, Alkalinity as CaCO3 Alkalinity	60	mg/l		8/14/08	MP
(I) Total Nitrogen Total Nitrogen	2.9	mg/l		9/23/08	DRB

Sample ID:	Katonah Bottom	LSL Sample ID:	0814442-006
Location:			
Sampled:	08/12/08 14:30	Sampled By:	MA
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.084	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	2.1*	mg/l	8/19/08	8/20/08	DRB
<i>As per NELAC regulation, disclosure of the following condition is required; *The result of the laboratory control sample was greater than the established limit. A trace amount of this analyte was found in the laboratory preparation blank.</i>					
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	0.0098*	mg/l		8/14/08	TER
<i>A trace amount of this analyte was detected in the laboratory blank.</i>					
(I) EPA Method 300.0 A Nitrate/Nitrite as N	0.036*	mg/l		9/23/08	DRB
<i>This analysis was performed beyond the holding time limit by EPA Method 353.1</i>					
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) Total Nitrogen Total Nitrogen	2.1	mg/l		9/23/08	DRB

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Page 4 of 4
Date Printed: 9/23/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Timber Top LSL Sample ID: 0814565-001
Location:
Sampled: 08/13/08 9:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.012	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	0.60	mg/l	8/27/08	8/29/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	<0.003	mg/l		8/14/08 17:04	TER
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) SM 18 10200H Chlorophyll-a Chlorophyll-a	0.026	mg/l	8/13/08	8/22/08	RAF
(I) SM 18 2320B, Alkalinity as CaCO3 Alkalinity	68	mg/l		8/19/08	TER
(I) SM 18-20 4500-NO3 H Nitrate/Nitrite as N Nitrate/Nitrite as N	0.055	mg/l		9/8/08	DRB
(I) Total Nitrogen Total Nitrogen	0.66	mg/l		9/17/08	DRB

Sample ID: Timber Bottom LSL Sample ID: 0814565-002
Location:
Sampled: 08/13/08 9:30 Sampled By: MA
Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 365.3 Total Phosphorus, Low Level Phosphorus, Total as P	0.017	mg/l	8/19/08	8/19/08	KBB
(I) EPA 351.2 TKN as N Total Kjeldahl Nitrogen	0.68	mg/l	8/27/08	8/29/08	DRB
(I) EPA 365.3 Soluble Orthophosphate as P Orthophosphate as P	0.0056*	mg/l		8/14/08 17:05	TER
A trace amount of this analyte was detected in the laboratory blank.					
(I) Filtering Charge Laboratory filtration charge				8/14/08	TER
(I) SM 18-20 4500-NO3 H Nitrate/Nitrite as N Nitrate/Nitrite as N	0.054	mg/l		9/8/08	DRB
(I) Total Nitrogen Total Nitrogen	0.73	mg/l		9/17/08	DRB



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Laboratory Analysis Report

For

EcoLogic, LLC

Client Project ID:

Town of Lewisboro

LSL Project ID: **0814442**

Receive Date/Time: 08/13/08 16:47

Project Received by: RD

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This report was reviewed by:

Life Science Laboratories, Inc.

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9/23/08

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Date Printed:

9/23/08

Life Science Laboratory

5854 Butternut Drive

East Syracuse, NY 13057

Phone # (315) 445-1105

Telefax # (315) 445-1301

Chain of Custody Record

0814442

Ecologic

Client:

Ecologic

Phone #

315-655-8335

Address:

132 1/2 Albany Street

Fax #

315-655-4086

Client's Site I.D.:

TOWN of Lewisboro

Authorization:

Client's Sample Identifications

Sample Date

Sample Time

Type grab comp.

Preserv. Added

size/type

Containers

Client's Project I.D.:

Lewisboro

Free Cl (mg/L)

Pres. Check

001 ABCDE

Kitchawan Top

8/12/08

830

✓

H₂O

5 40ml plastic

Chloro-a, LLTP, LLSRP, TN, Aik

002 ABC

Kitchawan Bottom

8/12/08

830

✓

↓

3 plastic

Low level TP, LLSRP, TN

003 ABCDE

Tuesdale Top

8/12/08

1030

✓

↓

3 plastic

Chloro-a, LLTP, LLSRP, TN, Aik

004 ABC

Tuesdale Bottom

8/12/08

1430

✓

↓

3 plastic

Low level TP, LLSRP, TN

005 ABCDE

Katonah Top

8/12/08

1430

✓

↓

3 plastic

Low level TP, LLSRP, TN

006 ABC

Katonah Bottom

8/12/08

1430

✓

↓

3 plastic

Low level TP, LLSRP, TN

Notes and Hazard Identifications:

Custody Transfers

Date

Time

Sampled By: Mark Arrigo

Received By:

Relinquished By: Mark Arrigo

Received By:

Received for Lab By: R. Dubois

03-13-08

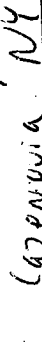
15:47

RCVD

Relinquished By:

Samples Received Intact: Y N

3°C .. Du 12



70c on ice

EcoLogic 2008 Water Quality / Sediment Sampling

Sediment Laboratory Analytical Results:

Lake Waccabuc

Lake Oscaleta



Mark Arrigo
EcoLogic, LLC
Atwell Mill Annex, Suite S-2
132 1/2 Albany Street
Cazenovia, NY 13035

Phone: (315) 655-8305

FAX: (315) 655-4086

Laboratory Analysis Report For

EcoLogic, LLC

Client Project ID:

Lewisboro Lakes

LSL Project ID: **0808644**

Receive Date/Time: 05/29/08 15:36

Project Received by: GS

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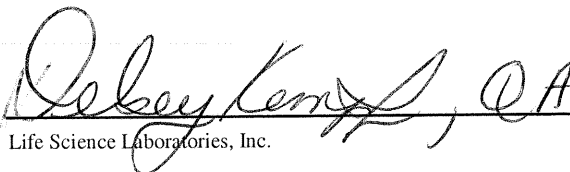
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This report was reviewed by:


Life Science Laboratories, Inc.

Date:

6/26/08

A copy of this report was sent to:

Date Printed:

Page 1 of 7

6/25/08

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID: WAC-01 - Composite

LSL Sample ID: 0808644-001

Location:

Sampled: 05/29/08 8:30

Sampled By: Client

Sample Matrix: SHW as Recd

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 6010 RCRA Total Metals					
Copper	1.5	mg/kg	6/10/08	6/11/08	DP
Arsenic	<1	mg/kg	6/10/08	6/11/08	DP
Barium	<20	mg/kg	6/10/08	6/11/08	DP
Cadmium	<1	mg/kg	6/10/08	6/11/08	DP
Chromium	<1	mg/kg	6/10/08	6/11/08	DP
Lead	4.2	mg/kg	6/10/08	6/11/08	DP
Selenium	<1	mg/kg	6/10/08	6/11/08	DP
Silver	<1	mg/kg	6/10/08	6/11/08	DP
(1) EPA 7471 Mercury					
Mercury	<0.02	mg/kg	6/11/08	6/12/08	DP
(1) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.002	mg/kg	6/9/08	6/12/08	KIW
alpha-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
beta-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
delta-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
gamma-BHC (Lindane)	<0.002	mg/kg	6/9/08	6/12/08	KIW
alpha-Chlordane	<0.002	mg/kg	6/9/08	6/12/08	KIW
gamma-Chlordane	<0.002	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDD	<0.004	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDE	<0.004	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDT	<0.004	mg/kg	6/9/08	6/12/08	KIW
Dieldrin	<0.002	mg/kg	6/9/08	6/12/08	KIW
Endosulfan I	<0.002	mg/kg	6/9/08	6/12/08	KIW
Endosulfan II	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endosulfan sulfate	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin aldehyde	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin ketone	<0.004	mg/kg	6/9/08	6/12/08	KIW
Heptachlor	<0.002	mg/kg	6/9/08	6/12/08	KIW
Heptachlor epoxide	<0.002	mg/kg	6/9/08	6/12/08	KIW
Methoxychlor	<0.02	mg/kg	6/9/08	6/12/08	KIW
Toxaphene	<0.5	mg/kg	6/9/08	6/12/08	KIW
Aroclor-1016	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1221	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1232	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1242	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1248	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1254	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1260	<0.2	mg/kg	6/9/08	6/10/08	KIW
Surrogate (TCMX)	82	%R	6/9/08	6/12/08	KIW
Surrogate (DCB)	110	%R	6/9/08	6/10/08	KIW
(1) EPA 8260B TCL Volatiles					
Acetone	<50	ug/kg		6/5/08	CRT
Benzene	<10	ug/kg		6/5/08	CRT
Bromodichloromethane	<10	ug/kg		6/5/08	CRT
Bromoform	<10	ug/kg		6/5/08	CRT

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Page 2 of 7

Date Printed: 6/25/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brüttonfield

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID: WAC-01 - Composite

LSL Sample ID: 0808644-001

Location:

Sampled: 05/29/08 8:30

Sampled By: Client

Sample Matrix: SHW as Recd

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(I) EPA 8260B TCL Volatiles					
Bromomethane	<10	ug/kg		6/5/08	CRT
2-Butanone (MEK)	<20	ug/kg		6/5/08	CRT
Carbon disulfide	<10	ug/kg		6/5/08	CRT
Carbon tetrachloride	<10	ug/kg		6/5/08	CRT
Chlorobenzene	<10	ug/kg		6/5/08	CRT
Chloroethane	<10	ug/kg		6/5/08	CRT
Chloroform	<10	ug/kg		6/5/08	CRT
Chloromethane	<10	ug/kg		6/5/08	CRT
Dibromochloromethane	<10	ug/kg		6/5/08	CRT
1,1-Dichloroethane	<10	ug/kg		6/5/08	CRT
1,2-Dichloroethane	<10	ug/kg		6/5/08	CRT
1,1-Dichloroethene	<10	ug/kg		6/5/08	CRT
1,2-Dichloroethene, Total	<10	ug/kg		6/5/08	CRT
1,2-Dichloropropane	<10	ug/kg		6/5/08	CRT
cis-1,3-Dichloropropene	<10	ug/kg		6/5/08	CRT
trans-1,3-Dichloropropene	<10	ug/kg		6/5/08	CRT
Ethyl benzene	<10	ug/kg		6/5/08	CRT
2-Hexanone	<20	ug/kg		6/5/08	CRT
Methylene chloride	<20	ug/kg		6/5/08	CRT
4-Methyl-2-pentanone (MIBK)	<20	ug/kg		6/5/08	CRT
Styrene	<10	ug/kg		6/5/08	CRT
1,1,2,2-Tetrachloroethane	<10	ug/kg		6/5/08	CRT
Tetrachloroethene	<10	ug/kg		6/5/08	CRT
Toluene	<10	ug/kg		6/5/08	CRT
1,1,1-Trichloroethane	<10	ug/kg		6/5/08	CRT
1,1,2-Trichloroethane	<10	ug/kg		6/5/08	CRT
Trichloroethene	<10	ug/kg		6/5/08	CRT
Vinyl chloride	<10	ug/kg		6/5/08	CRT
Xylenes (Total)	<10	ug/kg		6/5/08	CRT
Surrogate (1,2-DCA-d4)	105	%R		6/5/08	CRT
Surrogate (Tol-d8)	96	%R		6/5/08	CRT
Surrogate (4-BFB)	117	%R		6/5/08	CRT
(I) EPA 8270 TCL PAH's					
Acenaphthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Acenaphthylene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(a)anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(b)fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(k)fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(ghi)perylene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(a)pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Chrysene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Dibenz(a,h)anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Fluorene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: WAC-01 - Composite

LSL Sample ID: 0808644-001

Location:

Sampled: 05/29/08 8:30

Sampled By: Client

Sample Matrix: SHW as Recd

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 8270 TCL PAH's					
Naphthalene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Phenanthrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Surrogate (Nitrobenzene-d5)	50	%R	6/6/08	6/13/08	CRT
Surrogate (2-Fluorobiphenyl)	54	%R	6/6/08	6/13/08	CRT
Surrogate (Terphenyl-d14)	121	%R	6/6/08	6/13/08	CRT
(I) Modified EPA 160.3 Total Solids					
Total Solids @ 103-105 C	6.9	%		6/3/08	MM
(I) Particle Size Distribution					
Particle Size Distribution	See Attached				
This analysis was performed by PW Laboratories, Inc.					
(I) Total Organic Carbon, EPA 9060					
Total Organic Carbon	See Attached				
This analysis was performed by NYS DOH ELAP laboratory number 11342					

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	OSC-01 - Composite	LSL Sample ID:	0808644-002
Location:			
Sampled:	05/29/08 9:30	Sampled By:	Client
Sample Matrix:	SHW as Recd		

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 6010 RCRA Total Metals					
Copper	1.1	mg/kg	6/10/08	6/11/08	DP
Arsenic	<1	mg/kg	6/10/08	6/11/08	DP
Barium	<20	mg/kg	6/10/08	6/11/08	DP
Cadmium	<1	mg/kg	6/10/08	6/11/08	DP
Chromium	<1	mg/kg	6/10/08	6/11/08	DP
Lead	2.0	mg/kg	6/10/08	6/11/08	DP
Selenium	<1	mg/kg	6/10/08	6/11/08	DP
Silver	<1	mg/kg	6/10/08	6/11/08	DP
(1) EPA 7471 Mercury					
Mercury	<0.02	mg/kg	6/11/08	6/12/08	DP
(1) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.002	mg/kg	6/9/08	6/12/08	KIW
alpha-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
beta-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
delta-BHC	<0.002	mg/kg	6/9/08	6/12/08	KIW
gamma-BHC (Lindane)	<0.002	mg/kg	6/9/08	6/12/08	KIW
alpha-Chlordane	<0.002	mg/kg	6/9/08	6/12/08	KIW
gamma-Chlordane	<0.002	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDD	<0.004	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDE	<0.004	mg/kg	6/9/08	6/12/08	KIW
4,4'-DDT	<0.004	mg/kg	6/9/08	6/12/08	KIW
Dieldrin	<0.002	mg/kg	6/9/08	6/12/08	KIW
Endosulfan I	<0.002	mg/kg	6/9/08	6/12/08	KIW
Endosulfan II	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endosulfan sulfate	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin aldehyde	<0.004	mg/kg	6/9/08	6/12/08	KIW
Endrin ketone	<0.004	mg/kg	6/9/08	6/12/08	KIW
Heptachlor	<0.002	mg/kg	6/9/08	6/12/08	KIW
Heptachlor epoxide	<0.002	mg/kg	6/9/08	6/12/08	KIW
Methoxychlor	<0.02	mg/kg	6/9/08	6/12/08	KIW
Toxaphene	<0.5	mg/kg	6/9/08	6/12/08	KIW
Aroclor-1016	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1221	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1232	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1242	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1248	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1254	<0.2	mg/kg	6/9/08	6/10/08	KIW
Aroclor-1260	<0.2	mg/kg	6/9/08	6/10/08	KIW
Surrogate (TCMX)	100	%R	6/9/08	6/12/08	KIW
Surrogate (DCB)	103	%R	6/9/08	6/10/08	KIW
(1) EPA 8260B TCL Volatiles					
Acetone	<50	ug/kg		6/5/08	CRT
Benzene	<10	ug/kg		6/5/08	CRT
Bromodichloromethane	<10	ug/kg		6/5/08	CRT
Bromoform	<10	ug/kg		6/5/08	CRT

Life Science Laboratories, Inc.

Page 5 of 7

Date Printed: 6/25/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID: OSC-01 - Composite

LSL Sample ID: 0808644-002

Location:

Sampled: 05/29/08 9:30

Sampled By: Client

Sample Matrix: SHW as Recd

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(I) EPA 8260B TCL Volatiles					
Bromomethane	<10	ug/kg		6/5/08	CRT
2-Butanone (MEK)	<20	ug/kg		6/5/08	CRT
Carbon disulfide	<10	ug/kg		6/5/08	CRT
Carbon tetrachloride	<10	ug/kg		6/5/08	CRT
Chlorobenzene	<10	ug/kg		6/5/08	CRT
Chloroethane	<10	ug/kg		6/5/08	CRT
Chloroform	<10	ug/kg		6/5/08	CRT
Chloromethane	<10	ug/kg		6/5/08	CRT
Dibromochloromethane	<10	ug/kg		6/5/08	CRT
1,1-Dichloroethane	<10	ug/kg		6/5/08	CRT
1,2-Dichloroethane	<10	ug/kg		6/5/08	CRT
1,1-Dichloroethene	<10	ug/kg		6/5/08	CRT
1,2-Dichloroethene, Total	<10	ug/kg		6/5/08	CRT
1,2-Dichloropropane	<10	ug/kg		6/5/08	CRT
cis-1,3-Dichloropropene	<10	ug/kg		6/5/08	CRT
trans-1,3-Dichloropropene	<10	ug/kg		6/5/08	CRT
Ethyl benzene	<10	ug/kg		6/5/08	CRT
2-Hexanone	<20	ug/kg		6/5/08	CRT
Methylene chloride	<20	ug/kg		6/5/08	CRT
4-Methyl-2-pentanone (MIBK)	<20	ug/kg		6/5/08	CRT
Styrene	<10	ug/kg		6/5/08	CRT
1,1,2,2-Tetrachloroethane	<10	ug/kg		6/5/08	CRT
Tetrachloroethene	<10	ug/kg		6/5/08	CRT
Toluene	<10	ug/kg		6/5/08	CRT
1,1,1-Trichloroethane	<10	ug/kg		6/5/08	CRT
1,1,2-Trichloroethane	<10	ug/kg		6/5/08	CRT
Trichloroethene	<10	ug/kg		6/5/08	CRT
Vinyl chloride	<10	ug/kg		6/5/08	CRT
Xylenes (Total)	<10	ug/kg		6/5/08	CRT
Surrogate (1,2-DCA-d4)	107	%R		6/5/08	CRT
Surrogate (Tol-d8)	94	%R		6/5/08	CRT
Surrogate (4-BFB)	108	%R		6/5/08	CRT
(I) EPA 8270 TCL PAH's					
Acenaphthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Acenaphthylene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(a)anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(b)fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(k)fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(ghi)perylene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Benzo(a)pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Chrysene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Dibenz(a,h)anthracene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Fluoranthene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Fluorene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID: OSC-01 - Composite

LSL Sample ID: 0808644-002

Location:

Sampled: 05/29/08 9:30

Sampled By: Client

Sample Matrix: SHW as Recd

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(I) EPA 8270 TCL PAH's					
Naphthalene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Phenanthrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Pyrene	<0.5	mg/kg	6/6/08	6/13/08	CRT
Surrogate (Nitrobenzene-d5)	41	%R	6/6/08	6/13/08	CRT
Surrogate (2-Fluorobiphenyl)	42	%R	6/6/08	6/13/08	CRT
Surrogate (Terphenyl-d14)	109	%R	6/6/08	6/13/08	CRT
(I) Modified EPA 160.3 Total Solids					
Total Solids @ 103-105 C	6.1	%		6/3/08	MM
(I) Particle Size Distribution					
Particle Size Distribution	See Attached				
This analysis was performed by PW Laboratories, Inc.					
(I) Total Organic Carbon, EPA 9060					
Total Organic Carbon	See Attached				
This analysis was performed by NYS DOH ELAP laboratory number 11342					



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

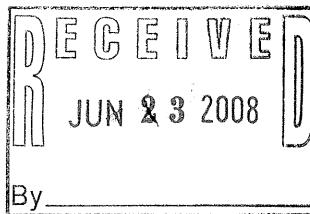
Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery



PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

June 19, 2008

Mr. Greg Smith
Life Science Laboratories
5000 Brittonfield Parkway
Suite 200
East Syracuse, New York 13057



Re: L-08090
Laboratory Testing
PO #S052433

Dear Mr. Smith:

Enclosed are the results of laboratory testing performed at your request on two jar soil samples delivered to our laboratory on June 13, 2008 for the above referenced project. Results include:

1. Sieve Analysis ASTM D422 & D1140
Laboratory I.D. #'s 23327 & 23328

2 each

All requested tests have been completed on the previously received sample(s) for the above project. All sample remains are scheduled to be disposed of on July 19, 2008. Please notify PW Laboratories, Inc. by letter or telephone prior to July 19, 2008 if you would prefer to pick up the sample(s) or that the sample(s) be retained by PW Laboratories, Inc. for an additional period of time.

Thank you for this opportunity to work with you.

Very truly yours,

PW LABORATORIES, INC.

A handwritten signature in cursive script, appearing to read 'Virginia J. Thoma'.

Virginia J. Thoma
Manager - Laboratory Services
VJT/bll
Encs:



Project Title: Laboratory Testing

PO# S052433

Project #: L-08090

Report #: 1

Test Method: ASTMD422 & D1140

Report Date: June 19, 2008

[illegible]

Sample mass, as received, meets minimum mass requirements of test method:

No
X

Yes	X	No
-----	---	----

Remarks:

Performed By:

AM & SG

Checked By:

V.J. Thoma

June 10, 2008

9:59:53AM

Client: Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn: Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Nbr: 0808644
P/O Nbr: SO52414
Date Received: 06/03/08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
0808644-001B WAC-01	NRF0051-01	05/29/08 00:01
0808644-002B OSC-01	NRF0051-02	05/29/08 00:01

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

New York Certification Number: 11342

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Jennifer Gambill

Project Manager

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRF0051-01 (0808644-001B WAC-01 - Misc. Solid) Sampled: 05/29/08 00:01								
General Chemistry Parameters								
Total Organic Carbon	366000		mg/Kg dry	1000	1	06/09/08 10:15	SW846 9060M	8060887
Sample ID: NRF0051-02 (0808644-002B OSC-01 - Misc. Solid) Sampled: 05/29/08 00:01								
General Chemistry Parameters								
Total Organic Carbon	110000		mg/Kg dry	1000	1	06/09/08 10:15	SW846 9060M	8060887

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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General Chemistry Parameters

8060887-BLK1

Total Organic Carbon	<172		mg/Kg dry	8060887	8060887-BLK1	06/09/08 10:15
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Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
8060887-DUP1									
Total Organic Carbon	4770	4770		mg/Kg dry	0	35	8060887	NRF0139-01	06/09/08 10:15

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

PROJECT QUALITY CONTROL DATA

LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
8060887-BS1								
Total Organic Carbon	29900	29500		mg/Kg dry	99%	85 - 110	8060887	06/09/08 10:15

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
SW846 9060M	Soil	N/A	N/A	N/A

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte

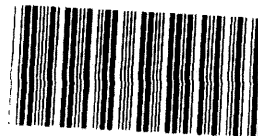
Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRF0051
Project Name: Life Science
Project Number: 0808644
Received: 06/03/08 10:15

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

COOLER RECEIPT



Cooler Received/Opened On 06/03/2008 @ 1015

NRF0051

1. Tracking # 6213 X 926134318 5007

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 6.5 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: NA

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial)

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here _____

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial)

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

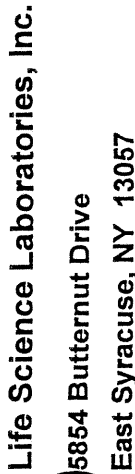
19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial)

I certify that I attached a label with the unique LIMS number to each container (initial)

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# 48865



0808644
Ecologic

Phone # (315) 445-1105		Telefax # (315) 445-1301	
Client: <u>ECOLOGIC LLC</u>		Phone # <u>(315) 655-8305</u>	
Address: <u>132 1/2 ALBANY STREET</u>		Fax # <u>315 655-4046</u>	
<u>CHATEAUVILLE NY 13035</u>			
Authorization: Sample Date: <u>5/29/08</u> Sample Time: <u>8:30 a.m.</u> Client's Sample Identifications: <u>WAC-01</u> LSL Sample Number: <u>001 A-F</u>		Notes and Hazard Identifications: <u>Called Mark to clarify request left message. 5-29-08 9:55</u> <u>Mark called back to request that only those parameters requested in Mark's quote be performed (See attached notes). Items include HRA metals + Cu, 8220 pH, 8260, but Pb, Se, V, Cr, Cd, Total Solids, TOC, Grain Size, Muck Sand, Organics (Tax Exempt) are not needed. 95 5-30-08</u>	
Contact Person: <u>MARK ARRIGO</u>		LSL Project #: <u>ECOLOGIC</u>	
Client's Site I.D.: <u>LEWISBORO LAKES</u>		Pres. Check <u>8220</u> <u>8021/8082</u> <u>Total Solids</u>	
Client's Project I.D.: <u>001 A-F</u>		Free Cl (mg/L) <u>8220</u>	
Containers # <u>6</u> size/type <u>glass</u>		Analyses <u>metals (As, Cd, Cu, Pb, Hg)</u> <u>PAH's (Benene, TBTEX, TPAH)</u> <u>PESTICIDES (DDT+DDT+DD, mirex, chlordane, Dieldrin)</u> <u>PCB's and DDT (see above)</u> <u>TOC, Grain Size</u> <u>same as above</u>	
Preserv. Added <u>SED</u>		Matrix <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>		Sample Date <u>5/29/08</u>	
Sample Time <u>8:30 a.m.</u>		Sample Time <u>9:30 a.m.</u>	
Client's Sample Identifications <u>WAC-01</u>		Client's Sample Identifications <u>WAC-01</u>	
LSL Sample Number <u>001 A-F</u>		LSL Sample Number <u>002 A-F</u>	
Containers # <u>6</u> size/type <u>glass</u>		Containers # <u>6</u> size/type <u>glass</u>	
Preserv. Added <u>SED</u>		Preserv. Added <u>SED</u>	
Type grab <u>X</u> comp. <u>X</u>		Type grab <u>X</u> comp. <u>X</u>	
Sample Date <u>5/29/08</u>			

EcoLogic 2008 Water Quality / Sediment Sampling

Sediment Laboratory Analytical Results:

Lake Kitchawan

Truesdale Lake (2 samples)



Mark Arrigo
EcoLogic, LLC
Atwell Mill Annex, Suite S-2
132 1/2 Albany Street
Cazenovia, NY 13035

Phone: (315) 655-8305

FAX: (315) 655-4086

Laboratory Analysis Report

For

EcoLogic, LLC

Client Project ID:

Town of Lewisboro

LSL Project ID: **0814440**

Receive Date/Time: 08/13/08 16:47

Project Received by: RD

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

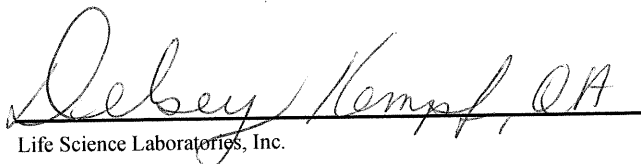
Life Science Laboratories, Inc.

- (1) LSL Central Lab, East Syracuse, NY
- (2) LSL North Lab, Waddington, NY
- (3) LSL Finger Lakes Lab, Wayland, NY
- (4) LSL Southern Tier Lab, Cuba, NY
- (5) LSL MidLakes Lab, Canandaigua, NY
- (6) LSL Brittonfield Lab, East Syracuse, NY

(315) 445-1105
(315) 388-4476
(585) 728-3320
(585) 968-2640
(585) 396-0270
(315) 437-0200

NYS DOH ELAP #10248 PA DEP #68-2556
NYS DOH ELAP #10900
NYS DOH ELAP #11667
NYS DOH ELAP #10760
NYS DOH ELAP #11369
NYS DOH ELAP #10155

This report was reviewed by:


Life Science Laboratories, Inc.

Date:

10/8/08

A copy of this report was sent to:

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Kitchawon	LSL Sample ID:	0814440-001
Location:			
Sampled:	08/12/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) EPA 6010 RCRA Total Metals					
Copper	8.5	mg/kg	8/21/08	8/22/08	DP
Arsenic	<0.05	mg/kg	8/21/08	8/22/08	DP
Barium	16	mg/kg	8/21/08	8/22/08	DP
Cadmium	0.24	mg/kg	8/21/08	8/22/08	DP
Chromium	3.1	mg/kg	8/21/08	8/22/08	DP
Lead	11	mg/kg	8/21/08	8/22/08	DP
Selenium	0.054	mg/kg	8/21/08	8/22/08	DP
Silver	<0.05	mg/kg	8/21/08	8/22/08	DP
(I) EPA 7471 Mercury					
Mercury	<0.005	mg/kg	8/25/08	8/27/08	DP
(I) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
beta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
delta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-BHC (Lindane)	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDD	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDE	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDT	<0.04	mg/kg	8/26/08	9/12/08	KIW
Dieldrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan I	<0.02	mg/kg	8/26/08	9/12/08	KIW
Endosulfan II	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan sulfate	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin aldehyde	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin ketone	<0.04	mg/kg	8/26/08	9/12/08	KIW
Heptachlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Heptachlor epoxide	<0.02	mg/kg	8/26/08	9/12/08	KIW
Methoxychlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Toxaphene	<5	mg/kg	8/26/08	9/12/08	KIW
Aroclor-1016	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1221	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1232	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1242	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1248	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1254	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1260	<0.2	mg/kg	8/26/08	8/29/08	KIW
Surrogate (TCMX)	89	%R	8/26/08	9/12/08	KIW
Surrogate (DCB)	75	%R	8/26/08	8/29/08	KIW
(I) EPA 8260B TCL Volatiles					
Acetone	<60	ug/kg		8/14/08	CRT
Benzene	<30	ug/kg		8/14/08	CRT
Bromodichloromethane	<30	ug/kg		8/14/08	CRT
Bromoform	<30	ug/kg		8/14/08	CRT

Page 2 of 13

Life Science Laboratories, Inc.

Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Kitchawon	LSL Sample ID:	0814440-001
Location:			
Sampled:	08/12/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1)</i> EPA 8260B TCL Volatiles					
Bromomethane	<30	ug/kg		8/14/08	CRT
2-Butanone (MEK)	<60	ug/kg		8/14/08	CRT
Carbon disulfide	<30	ug/kg		8/14/08	CRT
Carbon tetrachloride	<30	ug/kg		8/14/08	CRT
Chlorobenzene	<30	ug/kg		8/14/08	CRT
Chloroethane	<30	ug/kg		8/14/08	CRT
Chloroform	<30	ug/kg		8/14/08	CRT
Chloromethane	<30	ug/kg		8/14/08	CRT
Dibromochloromethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethene	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethene, Total	<30	ug/kg		8/14/08	CRT
1,2-Dichloropropane	<30	ug/kg		8/14/08	CRT
cis-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
trans-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
Ethyl benzene	<30	ug/kg		8/14/08	CRT
2-Hexanone	<60	ug/kg		8/14/08	CRT
Methylene chloride	<60	ug/kg		8/14/08	CRT
4-Methyl-2-pentanone (MIBK)	<60	ug/kg		8/14/08	CRT
Styrene	<30	ug/kg		8/14/08	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg		8/14/08	CRT
Tetrachloroethene	<30	ug/kg		8/14/08	CRT
Toluene	<30	ug/kg		8/14/08	CRT
1,1,1-Trichloroethane	<30	ug/kg		8/14/08	CRT
1,1,2-Trichloroethane	<30	ug/kg		8/14/08	CRT
Trichloroethene	<30	ug/kg		8/14/08	CRT
Vinyl chloride	<30	ug/kg		8/14/08	CRT
Xylenes (Total)	<30	ug/kg		8/14/08	CRT
Surrogate (1,2-DCA-d4)	98	%R		8/14/08	CRT
Surrogate (Tol-d8)	96	%R		8/14/08	CRT
Surrogate (4-BFB)	108	%R		8/14/08	CRT
<i>(1)</i> EPA 8270 TCL Semi-Volatiles (B/N)					
Acenaphthene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Acenaphthylene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Anthracene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)anthracene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Benzo(b)fluoranthene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Benzo(k)fluoranthene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Benzo(ghi)perylene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)pyrene	<0.7	mg/kg	8/25/08	8/29/08	CRT
4-Bromophenyl-phenylether	<0.7	mg/kg	8/25/08	8/29/08	CRT
Butylbenzylphthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
Carbazole	<0.7	mg/kg	8/25/08	8/29/08	CRT
4-Chloroaniline	<0.7	mg/kg	8/25/08	8/29/08	CRT
bis(2-Chloroethoxy)methane	<0.7	mg/kg	8/25/08	8/29/08	CRT

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Kitchawon	LSL Sample ID:	0814440-001
Location:			
Sampled:	08/12/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(I) EPA 8270 TCL Semi-Volatiles (B/N)					
bis(2-Chloroethyl)ether	<0.7	mg/kg	8/25/08	8/29/08	CRT
2-Chloronaphthalene	<0.7	mg/kg	8/25/08	8/29/08	CRT
4-Chlorophenyl-phenylether	<0.7	mg/kg	8/25/08	8/29/08	CRT
Chrysene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Dibenz(a,h)anthracene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Dibenzofuran	<0.7	mg/kg	8/25/08	8/29/08	CRT
Di-n-butylphthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
1,2-Dichlorobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
1,3-Dichlorobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
1,4-Dichlorobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	8/25/08	8/29/08	CRT
Diethylphthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
Dimethylphthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
2,4-Dinitrotoluene	<0.7	mg/kg	8/25/08	8/29/08	CRT
2,6-Dinitrotoluene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Di-n-octylphthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
bis(2-Ethylhexyl)phthalate	<0.7	mg/kg	8/25/08	8/29/08	CRT
Fluoranthene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Fluorene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobutadiene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Hexachlorocyclopentadiene	<2	mg/kg	8/25/08	8/29/08	CRT
Hexachloroethane	<0.7	mg/kg	8/25/08	8/29/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Isophorone	<0.7	mg/kg	8/25/08	8/29/08	CRT
2-Methylnaphthalene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Naphthalene	<0.7	mg/kg	8/25/08	8/29/08	CRT
2-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
3-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
4-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
Nitrobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
N-Nitrosodiphenylamine	<0.7	mg/kg	8/25/08	8/29/08	CRT
N-Nitroso-di-n-propylamine	<0.7	mg/kg	8/25/08	8/29/08	CRT
Phenanthrene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Pyrene	<0.7	mg/kg	8/25/08	8/29/08	CRT
1,2,4-Trichlorobenzene	<0.7	mg/kg	8/25/08	8/29/08	CRT
Surrogate (Nitrobenzene-d5)	44	%R	8/25/08	8/29/08	CRT
Surrogate (2-Fluorobiphenyl)	57	%R	8/25/08	8/29/08	CRT
Surrogate (Terphenyl-d14)	83	%R	8/25/08	8/29/08	CRT
(I) Modified SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	12	%		8/19/08	MM
(I) Particle Size Distribution					
Particle Size Distribution	See Attached				
This analysis was performed by PW Laboratories, Inc.					
(I) Total Organic Carbon, EPA 9060					
Total Organic Carbon	See Attached			8/27/08 09:21	TA

Life Science Laboratories, Inc.

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Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Kitchawon LSL Sample ID: 0814440-001
Location:
Sampled: 08/12/08 9:30 Sampled By: MA
Sample Matrix: SHW as Recd

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials

(1) Total Organic Carbon, EPA 9060

This analysis was sub-contracted.

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 1	LSL Sample ID:	0814440-002
Location:			
Sampled:	08/12/08 10:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 6010 RCRA Total Metals					
Copper	240	mg/kg	8/21/08	8/22/08	DP
Arsenic	<0.05	mg/kg	8/21/08	8/22/08	DP
Barium	19	mg/kg	8/21/08	8/22/08	DP
Cadmium	0.23	mg/kg	8/21/08	8/22/08	DP
Chromium	3.3	mg/kg	8/21/08	8/22/08	DP
Lead	7.8	mg/kg	8/21/08	8/22/08	DP
Selenium	<0.05	mg/kg	8/21/08	8/22/08	DP
Silver	<0.05	mg/kg	8/21/08	8/22/08	DP
(1) EPA 7471 Mercury					
Mercury	<0.005	mg/kg	8/25/08	8/27/08	DP
(1) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
beta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
delta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-BHC (Lindane)	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDD	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDE	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDT	<0.04	mg/kg	8/26/08	9/12/08	KIW
Dieldrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan I	<0.02	mg/kg	8/26/08	9/12/08	KIW
Endosulfan II	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan sulfate	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin aldehyde	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin ketone	<0.04	mg/kg	8/26/08	9/12/08	KIW
Heptachlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Heptachlor epoxide	<0.02	mg/kg	8/26/08	9/12/08	KIW
Methoxychlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Toxaphene	<5	mg/kg	8/26/08	9/12/08	KIW
Aroclor-1016	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1221	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1232	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1242	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1248	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1254	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1260	<0.2	mg/kg	8/26/08	8/29/08	KIW
Surrogate (TCMX)	89	%R	8/26/08	9/12/08	KIW
Surrogate (DCB)	86	%R	8/26/08	8/29/08	KIW
(1) EPA 8260B TCL Volatiles					
Acetone	<60	ug/kg		8/14/08	CRT
Benzene	<30	ug/kg		8/14/08	CRT
Bromodichloromethane	<30	ug/kg		8/14/08	CRT
Bromoform	<30	ug/kg		8/14/08	CRT

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 1	LSL Sample ID:	0814440-002
Location:			
Sampled:	08/12/08 10:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1)</i> EPA 8260B TCL Volatiles					
Bromomethane	<30	ug/kg		8/14/08	CRT
2-Butanone (MEK)	<60	ug/kg		8/14/08	CRT
Carbon disulfide	<30	ug/kg		8/14/08	CRT
Carbon tetrachloride	<30	ug/kg		8/14/08	CRT
Chlorobenzene	<30	ug/kg		8/14/08	CRT
Chloroethane	<30	ug/kg		8/14/08	CRT
Chloroform	<30	ug/kg		8/14/08	CRT
Chloromethane	<30	ug/kg		8/14/08	CRT
Dibromochloromethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethene	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethene, Total	<30	ug/kg		8/14/08	CRT
1,2-Dichloropropane	<30	ug/kg		8/14/08	CRT
cis-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
trans-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
Ethyl benzene	<30	ug/kg		8/14/08	CRT
2-Hexanone	<60	ug/kg		8/14/08	CRT
Methylene chloride	<60	ug/kg		8/14/08	CRT
4-Methyl-2-pentanone (MIBK)	<60	ug/kg		8/14/08	CRT
Styrene	<30	ug/kg		8/14/08	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg		8/14/08	CRT
Tetrachloroethene	<30	ug/kg		8/14/08	CRT
Toluene	<30	ug/kg		8/14/08	CRT
1,1,1-Trichloroethane	<30	ug/kg		8/14/08	CRT
1,1,2-Trichloroethane	<30	ug/kg		8/14/08	CRT
Trichloroethene	<30	ug/kg		8/14/08	CRT
Vinyl chloride	<30	ug/kg		8/14/08	CRT
Xylenes (Total)	<30	ug/kg		8/14/08	CRT
Surrogate (1,2-DCA-d4)	100	%R		8/14/08	CRT
Surrogate (Tol-d8)	96	%R		8/14/08	CRT
Surrogate (4-BFB)	107	%R		8/14/08	CRT
<i>(1)</i> EPA 8270 TCL Semi-Volatiles (B/N)					
Acenaphthene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Acenaphthylene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Anthracene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)anthracene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Benzo(b)fluoranthene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Benzo(k)fluoranthene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Benzo(ghi)perylene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)pyrene	<0.8	mg/kg	8/25/08	8/29/08	CRT
4-Bromophenyl-phenylether	<0.8	mg/kg	8/25/08	8/29/08	CRT
Butylbenzylphthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
Carbazole	<0.8	mg/kg	8/25/08	8/29/08	CRT
4-Chloroaniline	<0.8	mg/kg	8/25/08	8/29/08	CRT
bis(2-Chloroethoxy)methane	<0.8	mg/kg	8/25/08	8/29/08	CRT

Life Science Laboratories, Inc.

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Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 1	LSL Sample ID:	0814440-002
Location:			
Sampled:	08/12/08 10:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8270 TCL Semi-Volatiles (B/N)					
bis(2-Chloroethyl)ether	<0.8	mg/kg	8/25/08	8/29/08	CRT
2-Chloronaphthalene	<0.8	mg/kg	8/25/08	8/29/08	CRT
4-Chlorophenyl-phenylether	<0.8	mg/kg	8/25/08	8/29/08	CRT
Chrysene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Dibenz(a,h)anthracene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Dibenzofuran	<0.8	mg/kg	8/25/08	8/29/08	CRT
Di-n-butylphthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
1,2-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
1,3-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
1,4-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	8/25/08	8/29/08	CRT
Diethylphthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
Dimethylphthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
2,4-Dinitrotoluene	<0.8	mg/kg	8/25/08	8/29/08	CRT
2,6-Dinitrotoluene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Di-n-octylphthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
bis(2-Ethylhexyl)phthalate	<0.8	mg/kg	8/25/08	8/29/08	CRT
Fluoranthene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Fluorene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobutadiene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Hexachlorocyclopentadiene	<2	mg/kg	8/25/08	8/29/08	CRT
Hexachloroethane	<0.8	mg/kg	8/25/08	8/29/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Isophorone	<0.8	mg/kg	8/25/08	8/29/08	CRT
2-Methylnaphthalene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Naphthalene	<0.8	mg/kg	8/25/08	8/29/08	CRT
2-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
3-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
4-Nitroaniline	<2	mg/kg	8/25/08	8/29/08	CRT
Nitrobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
N-Nitrosodiphenylamine	<0.8	mg/kg	8/25/08	8/29/08	CRT
N-Nitroso-di-n-propylamine	<0.8	mg/kg	8/25/08	8/29/08	CRT
Phenanthrene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Pyrene	<0.8	mg/kg	8/25/08	8/29/08	CRT
1,2,4-Trichlorobenzene	<0.8	mg/kg	8/25/08	8/29/08	CRT
Surrogate (Nitrobenzene-d5)	27	%R	8/25/08	8/29/08	CRT
Surrogate (2-Fluorobiphenyl)	42	%R	8/25/08	8/29/08	CRT
Surrogate (Terphenyl-d14)	84	%R	8/25/08	8/29/08	CRT
(1) Modified SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	9.2	%		8/19/08	MM
(1) Particle Size Distribution					
Particle Size Distribution	See Attached				
This analysis was performed by PW Laboratories, Inc.					
(1) Total Organic Carbon, EPA 9060					
Total Organic Carbon	See Attached			8/27/08 09:21	TA

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Life Science Laboratories, Inc.

Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Truesdale - 1 LSL Sample ID: 0814440-002

Location:

Sampled: 08/12/08 10:30 Sampled By: MA

Sample Matrix: SHW as Recd

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials

(1) Total Organic Carbon, EPA 9060

This analysis was sub-contracted.

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 2	LSL Sample ID:	0814440-003
Location:			
Sampled:	08/12/08 14:20	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 6010 RCRA Total Metals					
Copper	210	mg/kg	8/21/08	8/22/08	DP
Arsenic	<0.05	mg/kg	8/21/08	8/22/08	DP
Barium	26	mg/kg	8/21/08	8/22/08	DP
Cadmium	0.32	mg/kg	8/21/08	8/22/08	DP
Chromium	4.7	mg/kg	8/21/08	8/22/08	DP
Lead	8.2	mg/kg	8/21/08	8/22/08	DP
Selenium	<0.05	mg/kg	8/21/08	8/22/08	DP
Silver	<0.05	mg/kg	8/21/08	8/22/08	DP
(1) EPA 7471 Mercury					
Mercury	<0.005	mg/kg	8/25/08	8/27/08	DP
(1) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
beta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
delta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-BHC (Lindane)	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDD	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDE	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDT	<0.04	mg/kg	8/26/08	9/12/08	KIW
Dieldrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan I	<0.02	mg/kg	8/26/08	9/12/08	KIW
Endosulfan II	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan sulfate	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin aldehyde	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin ketone	<0.04	mg/kg	8/26/08	9/12/08	KIW
Heptachlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Heptachlor epoxide	<0.02	mg/kg	8/26/08	9/12/08	KIW
Methoxychlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Toxaphene	<5	mg/kg	8/26/08	9/12/08	KIW
Aroclor-1016	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1221	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1232	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1242	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1248	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1254	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1260	<0.2	mg/kg	8/26/08	8/29/08	KIW
Surrogate (TCMX)	92	%R	8/26/08	9/12/08	KIW
Surrogate (DCB)	111	%R	8/26/08	8/29/08	KIW
(1) EPA 8260B TCL Volatiles					
Acetone	<60	ug/kg		8/14/08	CRT
Benzene	<30	ug/kg		8/14/08	CRT
Bromodichloromethane	<30	ug/kg		8/14/08	CRT
Bromoform	<30	ug/kg		8/14/08	CRT

Life Science Laboratories, Inc.

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Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 2	LSL Sample ID:	0814440-003
Location:			
Sampled:	08/12/08 14:20	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
<i>(1)</i> EPA 8260B TCL Volatiles					
Bromomethane	<30	ug/kg		8/14/08	CRT
2-Butanone (MEK)	<60	ug/kg		8/14/08	CRT
Carbon disulfide	<30	ug/kg		8/14/08	CRT
Carbon tetrachloride	<30	ug/kg		8/14/08	CRT
Chlorobenzene	<30	ug/kg		8/14/08	CRT
Chloroethane	<30	ug/kg		8/14/08	CRT
Chloroform	<30	ug/kg		8/14/08	CRT
Chloromethane	<30	ug/kg		8/14/08	CRT
Dibromochloromethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethane	<30	ug/kg		8/14/08	CRT
1,1-Dichloroethene	<30	ug/kg		8/14/08	CRT
1,2-Dichloroethene, Total	<30	ug/kg		8/14/08	CRT
1,2-Dichloropropane	<30	ug/kg		8/14/08	CRT
cis-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
trans-1,3-Dichloropropene	<30	ug/kg		8/14/08	CRT
Ethyl benzene	<30	ug/kg		8/14/08	CRT
2-Hexanone	<60	ug/kg		8/14/08	CRT
Methylene chloride	<60	ug/kg		8/14/08	CRT
4-Methyl-2-pentanone (MIBK)	<60	ug/kg		8/14/08	CRT
Styrene	<30	ug/kg		8/14/08	CRT
1,1,2,2-Tetrachloroethane	<30	ug/kg		8/14/08	CRT
Tetrachloroethene	<30	ug/kg		8/14/08	CRT
Toluene	<30	ug/kg		8/14/08	CRT
1,1,1-Trichloroethane	<30	ug/kg		8/14/08	CRT
1,1,2-Trichloroethane	<30	ug/kg		8/14/08	CRT
Trichloroethene	<30	ug/kg		8/14/08	CRT
Vinyl chloride	<30	ug/kg		8/14/08	CRT
Xylenes (Total)	<30	ug/kg		8/14/08	CRT
Surrogate (1,2-DCA-d4)	98	%R		8/14/08	CRT
Surrogate (Tol-d8)	97	%R		8/14/08	CRT
Surrogate (4-BFB)	110	%R		8/14/08	CRT
<i>(1)</i> EPA 8270 TCL Semi-Volatiles (B/N)					
Acenaphthene	<1	mg/kg	8/25/08	8/29/08	CRT
Acenaphthylene	<1	mg/kg	8/25/08	8/29/08	CRT
Anthracene	<1	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)anthracene	<1	mg/kg	8/25/08	8/29/08	CRT
Benzo(b)fluoranthene	<1	mg/kg	8/25/08	8/29/08	CRT
Benzo(k)fluoranthene	<1	mg/kg	8/25/08	8/29/08	CRT
Benzo(ghi)perylene	<1	mg/kg	8/25/08	8/29/08	CRT
Benzo(a)pyrene	<1	mg/kg	8/25/08	8/29/08	CRT
4-Bromophenyl-phenylether	<1	mg/kg	8/25/08	8/29/08	CRT
Butylbenzylphthalate	<1	mg/kg	8/25/08	8/29/08	CRT
Carbazole	<1	mg/kg	8/25/08	8/29/08	CRT
4-Chloroaniline	<1	mg/kg	8/25/08	8/29/08	CRT
bis(2-Chloroethoxy)methane	<1	mg/kg	8/25/08	8/29/08	CRT

- - LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Truesdale - 2	LSL Sample ID:	0814440-003
Location:			
Sampled:	08/12/08 14:20	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method		Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte						
(1) EPA 8270 TCL Semi-Volatiles (B/N)						
bis(2-Chloroethyl)ether		<1	mg/kg	8/25/08	8/29/08	CRT
2-Chloronaphthalene		<1	mg/kg	8/25/08	8/29/08	CRT
4-Chlorophenyl-phenylether		<1	mg/kg	8/25/08	8/29/08	CRT
Chrysene		<1	mg/kg	8/25/08	8/29/08	CRT
Dibenz(a,h)anthracene		<1	mg/kg	8/25/08	8/29/08	CRT
Dibenzofuran		<1	mg/kg	8/25/08	8/29/08	CRT
Di-n-butylphthalate		<1	mg/kg	8/25/08	8/29/08	CRT
1,2-Dichlorobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
1,3-Dichlorobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
1,4-Dichlorobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
3,3'-Dichlorobenzidine		<2	mg/kg	8/25/08	8/29/08	CRT
Diethylphthalate		<1	mg/kg	8/25/08	8/29/08	CRT
Dimethylphthalate		<1	mg/kg	8/25/08	8/29/08	CRT
2,4-Dinitrotoluene		<1	mg/kg	8/25/08	8/29/08	CRT
2,6-Dinitrotoluene		<1	mg/kg	8/25/08	8/29/08	CRT
Di-n-octylphthalate		<1	mg/kg	8/25/08	8/29/08	CRT
bis(2-Ethylhexyl)phthalate		<1	mg/kg	8/25/08	8/29/08	CRT
Fluoranthene		<1	mg/kg	8/25/08	8/29/08	CRT
Fluorene		<1	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
Hexachlorobutadiene		<1	mg/kg	8/25/08	8/29/08	CRT
Hexachlorocyclopentadiene		<2	mg/kg	8/25/08	8/29/08	CRT
Hexachloroethane		<1	mg/kg	8/25/08	8/29/08	CRT
Indeno(1,2,3-c,d)pyrene		<1	mg/kg	8/25/08	8/29/08	CRT
Isophorone		<1	mg/kg	8/25/08	8/29/08	CRT
2-Methylnaphthalene		<1	mg/kg	8/25/08	8/29/08	CRT
Naphthalene		<1	mg/kg	8/25/08	8/29/08	CRT
2-Nitroaniline		<2	mg/kg	8/25/08	8/29/08	CRT
3-Nitroaniline		<2	mg/kg	8/25/08	8/29/08	CRT
4-Nitroaniline		<2	mg/kg	8/25/08	8/29/08	CRT
Nitrobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
N-Nitrosodiphenylamine		<1	mg/kg	8/25/08	8/29/08	CRT
N-Nitroso-di-n-propylamine		<1	mg/kg	8/25/08	8/29/08	CRT
Phenanthrene		<1	mg/kg	8/25/08	8/29/08	CRT
Pyrene		<1	mg/kg	8/25/08	8/29/08	CRT
1,2,4-Trichlorobenzene		<1	mg/kg	8/25/08	8/29/08	CRT
Surrogate (Nitrobenzene-d5)		44	%R	8/25/08	8/29/08	CRT
Surrogate (2-Fluorobiphenyl)		59	%R	8/25/08	8/29/08	CRT
Surrogate (Terphenyl-d14)		74	%R	8/25/08	8/29/08	CRT
(1) Modified SM 18-20 2540B Total Solids						
Total Solids @ 103-105 C		26	%		8/19/08	MM
(1) Particle Size Distribution						
Particle Size Distribution		See Attached				
This analysis was performed by PW Laboratories, Inc.						
(1) Total Organic Carbon, EPA 9060						
Total Organic Carbon		See Attached			8/27/08 09:21	TA

Life Science Laboratories, Inc.

Page 12 of 13

Date Printed: 10/7/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Truesdale - 2 LSL Sample ID: 0814440-003
Location:
Sampled: 08/12/08 14:20 Sampled By: MA
Sample Matrix: SHW as Recd

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials

(1) Total Organic Carbon, EPA 9060

This analysis was sub-contracted.



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:	ug/l = microgram per liter
	ug/kg = microgram per kilogram
	mg/l = milligram per liter
	mg/kg = milligram per kilogram
	%R = Percent Recovery



PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

September 25, 2008

Mr. Greg Smith
Life Science Laboratories
5854 Butternut Drive
East Syracuse, New York 13057

RECEIVED
SEP 30 2008

Re: L-08090
Laboratory Testing
PO #S052572
PO #S052573

Dear Mr. Smith:

Enclosed are the results of laboratory testing performed at your request on five jar material samples delivered to our laboratory on September 18, 2008 for the above referenced project. Results include:

1. Sieve Analysis ASTM D422 & D1140
Laboratory I.D. #'s 23639 - 23643 5 each

All requested tests have been completed on the previously received sample(s) for the above project. All sample remains are scheduled to be disposed of on October 25, 2008. Please notify PW Laboratories, Inc. by letter or telephone prior to October 25, 2008 if you would prefer to pick up the sample(s) or that the sample(s) be retained by PW Laboratories, Inc. for an additional period of time.

Thank you for this opportunity to work with you.

Very truly yours,

PW LABORATORIES, INC.

A handwritten signature in cursive script, appearing to read 'Virginia J. Thoma'.

Virginia J. Thoma
Manager - Laboratory Services
VJT/bll
Encs:



Project Title:	Laboratory Testing
	PO# S052572
	LSL Project #0814440

Project #:	L-08090	Report #:	1
Test Method:	ASTMD422 & D1140	Report Date:	September 25, 2008

[illegible]

Sample mass, as received, meets minimum mass requirements of test method:	Yes	X	No	
Remarks:				
Prewashed:	Yes	X	No	
Performed By:	LS			
Checked By:	V.J. Thoma			

August 27, 2008 11:55:19AM

Client: Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn: Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Nbr: 0814440
P/O Nbr: SO52516
Date Received: 08/21/08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
0814440-001B Kitchawen	NRH1945-01	08/12/08
0814440-002B Truesdale (1)	NRH1945-02	08/12/08
0814440-003B Truesdale (2)	NRH1945-03	08/12/08

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

New York Certification Number: 11342

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

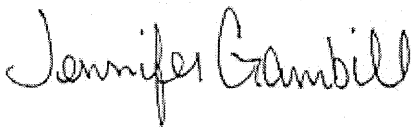
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Jennifer Gambill

Project Manager

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRH1945-01 (0814440-001B Kitchawen - Soil) Sampled: 08/12/08								
General Chemistry Parameters								
Total Organic Carbon	94000		mg/Kg dry	1000	1	08/27/08 09:21	SW846 9060M	8083520
Sample ID: NRH1945-02 (0814440-002B Truesdale (1) - Soil) Sampled: 08/12/08								
General Chemistry Parameters								
Total Organic Carbon	132000		mg/Kg dry	1000	1	08/27/08 09:21	SW846 9060M	8083520
Sample ID: NRH1945-03 (0814440-003B Truesdale (2) - Soil) Sampled: 08/12/08								
General Chemistry Parameters								
Total Organic Carbon	39300		mg/Kg dry	1000	1	08/27/08 09:21	SW846 9060M	8083520

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA

Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
---------	-------------	---	-------	------------	------------	--------------------

General Chemistry Parameters

8083520-BLK1

Total Organic Carbon	<172		mg/Kg dry	8083520	8083520-BLK1	08/27/08 09:21
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Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
8083520-DUP1									
Total Organic Carbon	103000	99600		mg/Kg dry	4	35	8083520	NRH1948-02	08/27/08 09:21

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
8083520-BS1								
Total Organic Carbon	2.99	2.96		%	99%	85 - 110	8083520	08/27/08 09:21

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
SW846 9060M	Soil	N/A	N/A	N/A

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1945
Project Name: NY Site
Project Number: 0814440
Received: 08/21/08 10:15

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

COOLER RECEIPT



PH1945

Cooler Received/Opened On 08/21/2008 @ 1015

1. Tracking # 1213X926134575 9698

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 5.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: NA

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) M

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initial) J

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) J

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) J

I certify that I attached a label with the unique LIMS number to each container (initial) J

21. Were there Non-Conformance issues at login? YES...NO... Was a PIPE generated? YES...NO...#

EcoLogic 2008 Water Quality / Sediment Sampling

Sediment Laboratory Analytical Results:

Lake Katonah

Timber Lake



Mark Arrigo
EcoLogic, LLC
Atwell Mill Annex, Suite S-2
132 1/2 Albany Street
Cazenovia, NY 13035

Phone: (315) 655-8305

FAX: (315) 655-4086

Revised Laboratory Analysis Report

For

EcoLogic, LLC

Client Project ID:

Town of Lewisboro

LSL Project ID: **0814563**

Receive Date/Time: 08/14/08 15:34

Project Received by: LZ

Life Science Laboratories, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose. By the Client's acceptance and/or use of this report, the Client agrees that LSL is hereby released from any and all liabilities, claims, damages or causes of action affecting or which may affect the Client as regards to the results contained in this report. The Client further agrees that the only remedy available to the Client in the event of proven non-conformity with the above warranty shall be for LSL to re-perform the analytical test(s) at no charge to the Client. The data contained in this report are for the exclusive use of the Client to whom it is addressed, and the release of these data to any other party, or the use of the name, trademark or service mark of Life Science Laboratories, Inc. especially for the use of advertising to the general public, is strictly prohibited without express prior written consent of Life Science Laboratories, Inc. This report may only be reproduced in its entirety. No partial duplication is allowed. The Chain of Custody document submitted with these samples is considered by LSL to be an appendix of this report and may contain specific information that pertains to the samples included in this report. The analytical result(s) in this report are only representative of the sample(s) submitted for analysis. LSL makes no claim of a sample's representativeness, or integrity, if sampling was not performed by LSL personnel.

Life Science Laboratories, Inc.

- (1) LSL Central Lab, East Syracuse, NY
- (2) LSL North Lab, Waddington, NY
- (3) LSL Finger Lakes Lab, Wayland, NY
- (4) LSL Southern Tier Lab, Cuba, NY
- (5) LSL MidLakes Lab, Canandaigua, NY
- (6) LSL Brittonfield Lab, East Syracuse, NY

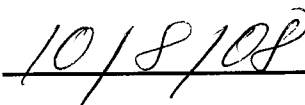
(315) 445-1105
(315) 388-4476
(585) 728-3320
(585) 968-2640
(585) 396-0270
(315) 437-0200

NYS DOH ELAP #10248 PA DEP #68-2556
NYS DOH ELAP #10900
NYS DOH ELAP #11667
NYS DOH ELAP #10760
NYS DOH ELAP #11369
NYS DOH ELAP #10155

This report was reviewed by:


Life Science Laboratories, Inc.

Date:



A copy of this report was sent to:

Original Report Date: 10/07/08

Page 1 of 9

Date Printed:

10/8/08



Eco Logic, LLC, LSL project 0814563

Dear Eco Logic representative,

As per your request, I checked result associated with positive Acetone hit in sample Katonah. Our department supervisor confirmed original Acetone result of 64 (ug/Kg). In regard of Acetone result, we confirm that method blank acetone concentration was <5.0 (ug/Kg). This trace amount did not contribute significantly to the Acetone concentration. Acetone contamination is common in organic laboratory since it is common solvent used in many preparatory procedures.

If you have any further questions, please let me know. I apologize for error that was originally introduced in your report.

Best Regards,
Emina Osmanovic
LSL Quality Control Officer

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Katonah	LSL Sample ID:	0814563-001
Location:			
Sampled:	08/12/08 14:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 6010 RCRA Total Metals					
Copper	110	mg/kg	9/4/08	9/9/08	DP
Arsenic	5.8	mg/kg	9/4/08	9/9/08	DP
Barium	26	mg/kg	9/4/08	9/9/08	DP
Cadmium	0.14	mg/kg	9/4/08	9/9/08	DP
Chromium	2.2*	mg/kg	9/4/08	9/9/08	DP
Lead	8.9	mg/kg	9/4/08	9/9/08	DP
Selenium	0.13	mg/kg	9/4/08	9/9/08	DP
Silver	<0.03	mg/kg	9/4/08	9/9/08	DP
(1) EPA 7471 Mercury					
Mercury	<0.005	mg/kg	8/25/08	8/27/08	DP
(1) EPA 8081/8082 Pesticides/PCB's					
Aldrin	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
beta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
delta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-BHC (Lindane)	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDD	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDE	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDT	<0.04	mg/kg	8/26/08	9/12/08	KIW
Dieldrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan I	<0.02	mg/kg	8/26/08	9/12/08	KIW
Endosulfan II	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan sulfate	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin aldehyde	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin ketone	<0.04	mg/kg	8/26/08	9/12/08	KIW
Heptachlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Heptachlor epoxide	<0.02	mg/kg	8/26/08	9/12/08	KIW
Methoxychlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Toxaphene	<5	mg/kg	8/26/08	9/12/08	KIW
Aroclor-1016	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1221	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1232	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1242	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1248	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1254	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1260	<0.2	mg/kg	8/26/08	8/29/08	KIW
Surrogate (TCMX)	56	%R	8/26/08	9/12/08	KIW
Surrogate (DCB)	99	%R	8/26/08	9/12/08	KIW
(1) EPA 8260B TCL Volatiles					
Acetone	64	ug/kg		8/15/08	CRT
Benzene	<20	ug/kg		8/15/08	CRT
Bromodichloromethane	<20	ug/kg		8/15/08	CRT
Bromoform	<20	ug/kg		8/15/08	CRT

Page 2 of 9

Original Report Date: 10/07/08

Life Science Laboratories, Inc.

Date Printed: 10/8/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID: **Katonah** LSL Sample ID: **0814563-001**
 Location:
 Sampled: **08/12/08 14:30** Sampled By: **MA**
 Sample Matrix: **SHW as Recd**

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
<i>(1) EPA 8260B TCL Volatiles</i>					
Bromomethane	<20	ug/kg		8/15/08	CRT
2-Butanone (MEK)	<50	ug/kg		8/15/08	CRT
Carbon disulfide	<20	ug/kg		8/15/08	CRT
Carbon tetrachloride	<20	ug/kg		8/15/08	CRT
Chlorobenzene	<20	ug/kg		8/15/08	CRT
Chloroethane	<20	ug/kg		8/15/08	CRT
Chloroform	<20	ug/kg		8/15/08	CRT
Chloromethane	<20	ug/kg		8/15/08	CRT
Dibromochloromethane	<20	ug/kg		8/15/08	CRT
1,1-Dichloroethane	<20	ug/kg		8/15/08	CRT
1,2-Dichloroethane	<20	ug/kg		8/15/08	CRT
1,1-Dichloroethene	<20	ug/kg		8/15/08	CRT
1,2-Dichloroethene, Total	<20	ug/kg		8/15/08	CRT
1,2-Dichloropropane	<20	ug/kg		8/15/08	CRT
cis-1,3-Dichloropropene	<20	ug/kg		8/15/08	CRT
trans-1,3-Dichloropropene	<20	ug/kg		8/15/08	CRT
Ethyl benzene	<20	ug/kg		8/15/08	CRT
2-Hexanone	<50	ug/kg		8/15/08	CRT
Methylene chloride	<50	ug/kg		8/15/08	CRT
4-Methyl-2-pentanone (MIBK)	<50	ug/kg		8/15/08	CRT
Styrene	<20	ug/kg		8/15/08	CRT
1,1,2,2-Tetrachloroethane	<20	ug/kg		8/15/08	CRT
Tetrachloroethene	<20	ug/kg		8/15/08	CRT
Toluene	<20	ug/kg		8/15/08	CRT
1,1,1-Trichloroethane	<20	ug/kg		8/15/08	CRT
1,1,2-Trichloroethane	<20	ug/kg		8/15/08	CRT
Trichloroethene	<20	ug/kg		8/15/08	CRT
Vinyl chloride	<20	ug/kg		8/15/08	CRT
Xylenes (Total)	<20	ug/kg		8/15/08	CRT
Surrogate (1,2-DCA-d4)	103	%R		8/15/08	CRT
Surrogate (Tol-d8)	98	%R		8/15/08	CRT
Surrogate (4-BFB)	115	%R		8/15/08	CRT
<i>(1) EPA 8270 TCL Semi-Volatiles (B/N)</i>					
Acenaphthene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Acenaphthylene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Anthracene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Benzo(a)anthracene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Benzo(b)fluoranthene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Benzo(k)fluoranthene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Benzo(ghi)perylene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Benzo(a)pyrene	<0.8	mg/kg	8/25/08	8/28/08	CRT
4-Bromophenyl-phenylether	<0.8	mg/kg	8/25/08	8/28/08	CRT
Butylbenzylphthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
Carbazole	<0.8	mg/kg	8/25/08	8/28/08	CRT
4-Chloroaniline	<0.8	mg/kg	8/25/08	8/28/08	CRT
bis(2-Chloroethoxy)methane	<0.8	mg/kg	8/25/08	8/28/08	CRT

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Katonah	LSL Sample ID:	0814563-001
Location:			
Sampled:	08/12/08 14:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8270 TCL Semi-Volatiles (B/N)					
bis(2-Chloroethyl)ether	<0.8	mg/kg	8/25/08	8/28/08	CRT
2-Chloronaphthalene	<0.8	mg/kg	8/25/08	8/28/08	CRT
4-Chlorophenyl-phenylether	<0.8	mg/kg	8/25/08	8/28/08	CRT
Chrysene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Dibenz(a,h)anthracene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Dibenzofuran	<0.8	mg/kg	8/25/08	8/28/08	CRT
Di-n-butylphthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
1,2-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
1,3-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
1,4-Dichlorobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	8/25/08	8/28/08	CRT
Diethylphthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
Dimethylphthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
2,4-Dinitrotoluene	<0.8	mg/kg	8/25/08	8/28/08	CRT
2,6-Dinitrotoluene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Di-n-octylphthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
bis(2-Ethylhexyl)phthalate	<0.8	mg/kg	8/25/08	8/28/08	CRT
Fluoranthene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Fluorene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Hexachlorobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Hexachlorobutadiene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Hexachlorocyclopentadiene	<2	mg/kg	8/25/08	8/28/08	CRT
Hexachloroethane	<0.8	mg/kg	8/25/08	8/28/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Isophorone	<0.8	mg/kg	8/25/08	8/28/08	CRT
2-Methylnaphthalene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Naphthalene	<0.8	mg/kg	8/25/08	8/28/08	CRT
2-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
3-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
4-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
Nitrobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
N-Nitrosodiphenylamine	<0.8	mg/kg	8/25/08	8/28/08	CRT
N-Nitroso-di-n-propylamine	<0.8	mg/kg	8/25/08	8/28/08	CRT
Phenanthrene	<0.8	mg/kg	8/25/08	8/28/08	CRT
1,2,4-Trichlorobenzene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Pyrene	<0.8	mg/kg	8/25/08	8/28/08	CRT
Surrogate (Nitrobenzene-d5)	31	%R	8/25/08	8/28/08	CRT
Surrogate (2-Fluorobiphenyl)	42	%R	8/25/08	8/28/08	CRT
Surrogate (Terphenyl-d14)	69	%R	8/25/08	8/28/08	CRT
(1) Modified SM 18-20 2540B Total Solids					
Total Solids @ 103-105 C	9.9	%		8/19/08	MM
(1) Particle Size Distribution					
Particle Size Distribution	See Attached				
This analysis was performed by PW Laboratories, Inc.					
(1) Total Organic Carbon, EPA 9060					
Total Organic Carbon	See Attached			8/27/08 09:21	TA

Original Report Date: 10/07/08

Life Science Laboratories, Inc.

Date Printed: 10/8/08

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Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- REVISED LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Katonah LSL Sample ID: 0814563-001
Location:
Sampled: 08/12/08 14:30 Sampled By: MA
Sample Matrix: SHW as Recd

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials

(1) Total Organic Carbon, EPA 9060

This analysis was sub-contracted.

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Timber	LSL Sample ID:	0814563-002
Location:			
Sampled:	08/13/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
<i>(1) EPA 6010 RCRA Total Metals</i>					
Copper	18	mg/kg	9/4/08	9/9/08	DP
Arsenic	<0.05	mg/kg	9/4/08	9/9/08	DP
Barium	19	mg/kg	9/4/08	9/9/08	DP
Cadmium	0.26	mg/kg	9/4/08	9/9/08	DP
Chromium	3.8*	mg/kg	9/4/08	9/9/08	DP
<i>*As per NELAC regulation, disclosure of the following condition is required; *The result of the laboratory control sample for this analyte was less than the established limit.</i>					
Lead	13	mg/kg	9/4/08	9/9/08	DP
Selenium	<0.05	mg/kg	9/4/08	9/9/08	DP
Silver	<0.05	mg/kg	9/4/08	9/9/08	DP
<i>(1) EPA 7471 Mercury</i>					
Mercury	<0.005	mg/kg	8/25/08	8/27/08	DP
<i>(1) EPA 8081/8082 Pesticides/PCB's</i>					
Aldrin	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
beta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
delta-BHC	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-BHC (Lindane)	<0.02	mg/kg	8/26/08	9/12/08	KIW
alpha-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
gamma-Chlordane	<0.02	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDD	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDE	<0.04	mg/kg	8/26/08	9/12/08	KIW
4,4'-DDT	<0.04	mg/kg	8/26/08	9/12/08	KIW
Dieldrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan I	<0.02	mg/kg	8/26/08	9/12/08	KIW
Endosulfan II	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endosulfan sulfate	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin aldehyde	<0.04	mg/kg	8/26/08	9/12/08	KIW
Endrin ketone	<0.04	mg/kg	8/26/08	9/12/08	KIW
Heptachlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Heptachlor epoxide	<0.02	mg/kg	8/26/08	9/12/08	KIW
Methoxychlor	<0.02	mg/kg	8/26/08	9/12/08	KIW
Toxaphene	<5	mg/kg	8/26/08	9/12/08	KIW
Aroclor-1016	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1221	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1232	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1242	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1248	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1254	<0.2	mg/kg	8/26/08	8/29/08	KIW
Aroclor-1260	<0.2	mg/kg	8/26/08	8/29/08	KIW
Surrogate (TCMX)	82	%R	8/26/08	9/12/08	KIW
Surrogate (DCB)	123	%R	8/26/08	9/12/08	KIW
<i>(1) EPA 8260B TCL Volatiles</i>					
Acetone	<100	ug/kg		8/15/08	CRT
Benzene	<40	ug/kg		8/15/08	CRT

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Timber	LSL Sample ID:	0814563-002
Location:			
Sampled:	08/13/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles					
Bromodichloromethane	<40	ug/kg		8/15/08	CRT
Bromoform	<40	ug/kg		8/15/08	CRT
Bromomethane	<40	ug/kg		8/15/08	CRT
2-Butanone (MEK)	<100	ug/kg		8/15/08	CRT
Carbon disulfide	<40	ug/kg		8/15/08	CRT
Carbon tetrachloride	<40	ug/kg		8/15/08	CRT
Chlorobenzene	<40	ug/kg		8/15/08	CRT
Chloroethane	<40	ug/kg		8/15/08	CRT
Chloroform	<40	ug/kg		8/15/08	CRT
Chloromethane	<40	ug/kg		8/15/08	CRT
Dibromochloromethane	<40	ug/kg		8/15/08	CRT
1,1-Dichloroethane	<40	ug/kg		8/15/08	CRT
1,2-Dichloroethane	<40	ug/kg		8/15/08	CRT
1,1-Dichloroethene	<40	ug/kg		8/15/08	CRT
1,2-Dichloroethene, Total	<40	ug/kg		8/15/08	CRT
1,2-Dichloropropane	<40	ug/kg		8/15/08	CRT
cis-1,3-Dichloropropene	<40	ug/kg		8/15/08	CRT
trans-1,3-Dichloropropene	<40	ug/kg		8/15/08	CRT
Ethyl benzene	<40	ug/kg		8/15/08	CRT
2-Hexanone	<100	ug/kg		8/15/08	CRT
Methylene chloride	<100	ug/kg		8/15/08	CRT
4-Methyl-2-pentanone (MIBK)	<100	ug/kg		8/15/08	CRT
Styrene	<40	ug/kg		8/15/08	CRT
1,1,2,2-Tetrachloroethane	<40	ug/kg		8/15/08	CRT
Tetrachloroethene	<40	ug/kg		8/15/08	CRT
Toluene	<40	ug/kg		8/15/08	CRT
1,1,1-Trichloroethane	<40	ug/kg		8/15/08	CRT
1,1,2-Trichloroethane	<40	ug/kg		8/15/08	CRT
Trichloroethene	<40	ug/kg		8/15/08	CRT
Vinyl chloride	<40	ug/kg		8/15/08	CRT
Xylenes (Total)	<40	ug/kg		8/15/08	CRT
Surrogate (1,2-DCA-d4)	100	%R		8/15/08	CRT
Surrogate (Tol-d8)	96	%R		8/15/08	CRT
Surrogate (4-BFB)	108	%R		8/15/08	CRT
<i>Elevated detection limit due to matrix interference.</i>					
(1) EPA 8270 TCL Semi-Volatiles (B/N)					
Acenaphthene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Acenaphthylene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Anthracene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Benzo(a)anthracene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Benzo(b)fluoranthene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Benzo(k)fluoranthene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Benzo(ghi)perylene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Benzo(a)pyrene	<0.9	mg/kg	8/25/08	8/28/08	CRT
4-Bromophenyl-phenylether	<0.9	mg/kg	8/25/08	8/28/08	CRT
Butylbenzylphthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
Carbazole	<0.9	mg/kg	8/25/08	8/28/08	CRT

- - REVISED LABORATORY ANALYSIS REPORT - -

EcoLogic, LLC Cazenovia, NY

Sample ID:	Timber	LSL Sample ID:	0814563-002
Location:			
Sampled:	08/13/08 9:30	Sampled By:	MA
Sample Matrix:	SHW as Recd		

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8270 TCL Semi-Volatiles (B/N)					
4-Chloroaniline	<0.9	mg/kg	8/25/08	8/28/08	CRT
bis(2-Chloroethoxy)methane	<0.9	mg/kg	8/25/08	8/28/08	CRT
bis(2-Chloroethyl)ether	<0.9	mg/kg	8/25/08	8/28/08	CRT
2-Chloronaphthalene	<0.9	mg/kg	8/25/08	8/28/08	CRT
4-Chlorophenyl-phenylether	<0.9	mg/kg	8/25/08	8/28/08	CRT
Chrysene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Dibenz(a,h)anthracene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Dibenzofuran	<0.9	mg/kg	8/25/08	8/28/08	CRT
Di-n-butylphthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
1,2-Dichlorobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
1,3-Dichlorobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
1,4-Dichlorobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
3,3'-Dichlorobenzidine	<2	mg/kg	8/25/08	8/28/08	CRT
Diethylphthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
Dimethylphthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
2,4-Dinitrotoluene	<0.9	mg/kg	8/25/08	8/28/08	CRT
2,6-Dinitrotoluene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Di-n-octylphthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
bis(2-Ethylhexyl)phthalate	<0.9	mg/kg	8/25/08	8/28/08	CRT
Fluoranthene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Fluorene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Hexachlorobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Hexachlorobutadiene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Hexachlorocyclopentadiene	<2	mg/kg	8/25/08	8/28/08	CRT
Hexachloroethane	<0.9	mg/kg	8/25/08	8/28/08	CRT
Indeno(1,2,3-c,d)pyrene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Isophorone	<0.9	mg/kg	8/25/08	8/28/08	CRT
2-Methylnaphthalene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Naphthalene	<0.9	mg/kg	8/25/08	8/28/08	CRT
2-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
3-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
4-Nitroaniline	<2	mg/kg	8/25/08	8/28/08	CRT
Nitrobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
N-Nitrosodiphenylamine	<0.9	mg/kg	8/25/08	8/28/08	CRT
N-Nitroso-di-n-propylamine	<0.9	mg/kg	8/25/08	8/28/08	CRT
Phenanthrene	<0.9	mg/kg	8/25/08	8/28/08	CRT
1,2,4-Trichlorobenzene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Pyrene	<0.9	mg/kg	8/25/08	8/28/08	CRT
Surrogate (Nitrobenzene-d5)	39	%R	8/25/08	8/28/08	CRT
Surrogate (2-Fluorobiphenyl)	47	%R	8/25/08	8/28/08	CRT
Surrogate (Terphenyl-d14)	67	%R	8/25/08	8/28/08	CRT

(1) Modified SM 18-20 2540B Total Solids

Total Solids @ 103-105 C	18	%		8/19/08	MM
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(1) Particle Size Distribution

Particle Size Distribution	See Attached
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This analysis was performed by PW Laboratories, Inc.

Original Report Date: 10/07/08

Life Science Laboratories, Inc.

Page 8 of 9
Date Printed: 10/8/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- REVISED LABORATORY ANALYSIS REPORT --

EcoLogic, LLC Cazenovia, NY

Sample ID: Timber LSL Sample ID: 0814563-002

Location:

Sampled: 08/13/08 9:30 Sampled By: MA

Sample Matrix: SHW as Recd

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					

(1) Total Organic Carbon, EPA 9060

Total Organic Carbon

See Attached

8/27/08 09:21

TA

This analysis was sub-contracted.



SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:

- ug/l = microgram per liter
- ug/kg = microgram per kilogram
- mg/l = milligram per liter
- mg/kg = milligram per kilogram
- %R = Percent Recovery



PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

September 25, 2008

Mr. Greg Smith
Life Science Laboratories
5854 Butternut Drive
East Syracuse, New York 13057

RECEIVED
SEP 30 2008

Re: L-08090
Laboratory Testing
PO #S052572
PO #S052573

Dear Mr. Smith:

Enclosed are the results of laboratory testing performed at your request on five jar material samples delivered to our laboratory on September 18, 2008 for the above referenced project. Results include:

1. Sieve Analysis ASTM D422 & D1140
Laboratory I.D. #'s 23639 - 23643 5 each

All requested tests have been completed on the previously received sample(s) for the above project. All sample remains are scheduled to be disposed of on October 25, 2008. Please notify PW Laboratories, Inc. by letter or telephone prior to October 25, 2008 if you would prefer to pick up the sample(s) or that the sample(s) be retained by PW Laboratories, Inc. for an additional period of time.

Thank you for this opportunity to work with you.

Very truly yours,

PW LABORATORIES, INC.

A handwritten signature in cursive script, appearing to read 'Virginia J. Thoma'.

Virginia J. Thoma
Manager - Laboratory Services
VJT/bl
Encs:



SIEVE ANALYSIS OF
SOIL / AGGREGATE

Project Title: Laboratory Testing
PO# S052573
LSL Project #0814563

Project #:	L-08090	Report #:	1
Test Method:	ASTMD422 & D1140	Report Date:	September 25, 2008

[illegible]

Sample mass, as received, meets minimum mass requirements of test method:	Yes	X	No	
Prewashed:	Yes	X	No	
Performed By:	LS			
Checked By:	V.J. Thoma			
Remarks:				

August 27, 2008

11:53:38AM

Client: Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn: Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Nbr: 0814563
P/O Nbr: SO52515
Date Received: 08/21/08

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
0814563-001B Katonah	NRH1948-01	08/12/08 00:01
0814563-002B Timber	NRH1948-02	08/13/08 00:01

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

New York Certification Number: 11342

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Jennifer Gambill

Project Manager

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NRH1948-01 (0814563-001B Katonah - Soil) Sampled: 08/12/08 00:01								
General Chemistry Parameters								
Total Organic Carbon	221000		mg/Kg dry	1000	1	08/27/08 09:21	SW846 9060M	8083520
Sample ID: NRH1948-02 (0814563-002B Timber - Soil) Sampled: 08/13/08 00:01								
General Chemistry Parameters								
Total Organic Carbon	103000		mg/Kg dry	1000	1	08/27/08 09:21	SW846 9060M	8083520

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
---------	-------------	---	-------	------------	------------	--------------------

General Chemistry Parameters

8083520-BLK1

Total Organic Carbon	<172		mg/Kg dry	8083520	8083520-BLK1	08/27/08 09:21
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Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
General Chemistry Parameters									
8083520-DUP1									
Total Organic Carbon	103000	99600		mg/Kg dry	4	35	8083520	NRH1948-02	08/27/08 09:21

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

PROJECT QUALITY CONTROL DATA LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
8083520-BS1								
Total Organic Carbon	2.99	2.96		%	99%	85 - 110	8083520	08/27/08 09:21

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	New York
SW846 9060M	Soil	N/A	N/A	N/A

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method

Matrix

Analyte

Client Life Science Lab, Inc. (9896)
5854 Butternut
East Syracuse, NY 13057
Attn Greg Smith

Work Order: NRH1948
Project Name: NY Site
Project Number: 0814563
Received: 08/21/08 10:15

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT



PH1948

Cooler Received/Opened On 08/21/2008 @ 1015

1. Tracking # 1213X926134575 9698

Courier: UPS IR Gun ID 102594

2. Temperature of rep. sample or temp blank when opened: 5.4 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: NA

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (Initial) [Signature]

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (Initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (Initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (Initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (Initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO... Was a PIPE generated? YES...NO...#



Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057

0814563
Ecologic

Chain of Custody Record

Phone # (315) 445-1105

Contact Person:
Mark Arrigo

LSL Project #:

Client: Ecologic

Phone # 315-655-8305

Address: 132 1/2 Albany Street

Fax # 315-655-4086

Client's Site I.D.:

TOWN of Lewisboro

Authorization:

Sample Date

Sample Time

Type

Grab

Comp.

Matrix

Preserv. Added

Containers #

size/type

Analyses

Free Cl (mg/L)

Pres. Check

LSL Sample Number

Client's Sample Identifications

Sample Date

Sample Time

Type

Grab

Comp.

Matrix

Preserv. Added

Containers #

size/type

Analyses

Free Cl (mg/L)

Pres. Check

Notes and Hazard Identifications:

Times as written on bottles.

RD 8/14/08

Custody Transfers

Sampled By: Mark Arrigo

Received By:

Relinquished By: Mark Arrigo

Received By: LZ

Relinquished By:

Received for Lab By:

Date

Time

08-14-08

15:34

RCVD

Shipment Method:

Samples Received Intact: Y N

70C on ice

Attachment 3

Lewisboro Lakes Water Quality Database

(delivered on CD in electronic format)