

TIM MILLER ASSOCIATES, INC.

10 North Street, Cold Spring, New York 10516

Phone (845) 265-4400

Fax (845) 265-4418

March 7, 2016

Ms. Ingrid M. Richards, Chair
Town of Ossining Planning Board
101 Route 9A - P.O. Box 1166
Ossining, NY 10562

Re: Site Plan Approval for a Multi-Family Development
Project: Parth Knolls, LLC
Location: 87 Hawkes Avenue
Ossining, NY 10562

Dear Ms. Richards and Members of the Planning Board:

As requested by the Planning Board, Tim Miller Associates, Inc. recently sampled surface water at the 87 Hawkes Avenue property and we provide the results of the sampling herein.

Background

We understand that the Planning Board was concerned about a sheen observed on a puddle of surface water on the Hawkes Avenue property. Surface water sheens may be attributed to petroleum leaks or spills, but may also be the result of organic material such as decaying leaves. The puddle was the result of a groundwater seep located on the west side of the small stream that bisects the site. The location of the seep was confirmed by Mr. Steve Marino of Tim Miller Associates, who was present at the site walk with the Planning Board.

Sampling

Samples of the surface water were collected on February 26, 2016. The samples were collected directly from the surface water seep in bottles provided by the laboratory. The water in the puddle was slightly turbid, but had no observable sheen. The samples were collected, preserved and transported using professional methods. They were hand delivered to EnviroTest Laboratories in Newburgh, New York, a NYS Department of Health (NYSDOH) Certified lab (ELAP 10142). The water was analyzed for volatile organic compounds (VOCs) and for semi-volatile organic compounds (SVOC's). These parameters include compounds commonly found in petroleum products, including gasoline, diesel fuel and heating oil.

Results

The laboratory results found no VOC or SVOC compounds in the samples above the laboratory detection limit. The laboratory results are attached. The surface water samplings from the Hawkes Avenue property provide no indication of petroleum leaks or spills.

Ms. Ingrid Richards
Page 2

Please contact me if you have any questions or require additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'JDh', with a stylized, flowing script.

Jon P. Dahlgren
Senior Geologist
TIM MILLER ASSOCIATES, INC.

Cc: A. Beldotti
Enclosure

ANALYTICAL REPORT

Job Number: 420-101194-1

SDG Number: 87 Hawks Ave., Ossining

Job Description: Tim Miller Associates, Inc.

For:

Tim Miller Associates, Inc.

10 North Street

Cold Spring, NY 10516

Attention: Ms. Maureen Fisher



Debra Bayer

Customer Service Manager

dbayer@envirotestlaboratories.com

03/07/2016

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

METHOD SUMMARY

Client: Tim Miller Associates, Inc.

Job Number: 420-101194-1
SDG Number: 87 Hawks Ave., Ossining

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Purge and Trap for Aqueous Samples	EnvTest		SW846 5030C
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Separatory Funnel Liquid-Liquid Extraction	EnvTest		SW846 3510C

Lab References:

EnvTest = EnviroTest

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tim Miller Associates, Inc.

Job Number: 420-101194-1
SDG Number: 87 Hawks Ave., Ossining

Method	Analyst	Analyst ID
SW846 8260C	Andersen, Eric C	ECA
SW846 8270D	Labare, Alicia M	AML

SAMPLE SUMMARY

Client: Tim Miller Associates, Inc.

Job Number: 420-101194-1
SDG Number: 87 Hawks Ave., Ossining

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-101194-1	S - 1	Water	02/26/2016 1315	02/26/2016 1451

Ms. Maureen Fisher
 Tim Miller Associates, Inc.
 10 North Street
 Cold Spring, NY 10516

Job Number: 420-101194-1
 Sdg Number: 87 Hawks Ave., Ossining

Client Sample ID: S - 1
 Lab Sample ID: 420-101194-1

Date Sampled: 02/26/2016 1315
 Date Received: 02/26/2016 1451
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270D			Date Analyzed:	03/02/2016 1948		
Prep Method: 3510C			Date Prepared:	03/02/2016 0925		
1,2,4-Trichlorobenzene	10	U	ug/L	2.9	10	1.0
1,2-Dichlorobenzene	10	U	ug/L	3.0	10	1.0
2,4,5-Trichlorophenol	10	U	ug/L	1.3	10	1.0
2,4,6-Trichlorophenol	10	U	ug/L	0.94	10	1.0
2,4-Dichlorophenol	10	U	ug/L	1.2	10	1.0
2,4-Dimethylphenol	10	U	ug/L	1.3	10	1.0
2,4-Dinitrophenol	10	U	ug/L	1.8	10	1.0
2,4-Dinitrotoluene	10	U *	ug/L	2.2	10	1.0
2,6-Dinitrotoluene	10	U *	ug/L	1.8	10	1.0
2-Chloronaphthalene	10	U	ug/L	1.3	10	1.0
2-Chlorophenol	10	U	ug/L	1.1	10	1.0
2-Methylnaphthalene	10	U	ug/L	1.4	10	1.0
2-Methylphenol	10	U	ug/L	1.2	10	1.0
2-Nitroaniline	10	U *	ug/L	2.1	10	1.0
2-Nitrophenol	10	U	ug/L	1.0	10	1.0
3 & 4 Methylphenol	10	U	ug/L	1.3	10	1.0
3,3'-Dichlorobenzidine	50	U	ug/L	5.5	50	1.0
4,6-Dinitro-2-methylphenol	10	U	ug/L	1.6	10	1.0
4-Bromophenyl phenyl ether	10	U	ug/L	1.3	10	1.0
4-Chloro-3-methylphenol	10	U	ug/L	1.8	10	1.0
4-Chloroaniline	10	U	ug/L	2.7	10	1.0
4-Chlorophenyl phenyl ether	10	U	ug/L	2.8	10	1.0
4-Nitroaniline	10	U	ug/L	2.9	10	1.0
4-Nitrophenol	10	U	ug/L	2.6	10	1.0
Acenaphthene	10	U	ug/L	2.4	10	1.0
Acenaphthylene	10	U	ug/L	1.7	10	1.0
Anthracene	10	U	ug/L	1.8	10	1.0
Benzo[a]anthracene	10	U	ug/L	1.0	10	1.0
Benzo[a]pyrene	10	U	ug/L	1.3	10	1.0
Benzo[b]fluoranthene	10	U	ug/L	0.75	10	1.0
Benzo[g,h,i]perylene	10	U	ug/L	1.8	10	1.0
Benzo[k]fluoranthene	10	U	ug/L	1.0	10	1.0
Benzyl alcohol	20	U	ug/L	1.7	20	1.0
Bis(2-chloroethoxy)methane	10	U	ug/L	2.7	10	1.0
Bis(2-chloroethyl)ether	10	U	ug/L	2.0	10	1.0
Bis(2-ethylhexyl) phthalate	10	U *	ug/L	1.7	10	1.0
Butyl benzyl phthalate	10	U	ug/L	2.1	10	1.0
Carbazole	10	U	ug/L	2.5	10	1.0
Chrysene	10	U	ug/L	0.94	10	1.0

Ms. Maureen Fisher
 Tim Miller Associates, Inc.
 10 North Street
 Cold Spring, NY 10516

Job Number: 420-101194-1
 Sdg Number: 87 Hawks Ave., Ossining

Client Sample ID: S - 1
Lab Sample ID: 420-101194-1

Date Sampled: 02/26/2016 1315
 Date Received: 02/26/2016 1451
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Dibenz(a,h)anthracene	10	U	ug/L	1.8	10	1.0
Dibenzofuran	10	U	ug/L	2.0	10	1.0
Diethyl phthalate	10	U	ug/L	2.5	10	1.0
Dimethyl phthalate	10	U	ug/L	0.93	10	1.0
Di-n-butyl phthalate	10	U	ug/L	2.5	10	1.0
Di-n-octyl phthalate	10	U	ug/L	2.5	10	1.0
Fluoranthene	10	U	ug/L	1.6	10	1.0
Fluorene	10	U	ug/L	3.1	10	1.0
Hexachlorobenzene	10	U	ug/L	1.8	10	1.0
Hexachlorobutadiene	10	U	ug/L	4.6	10	1.0
Hexachlorocyclopentadiene	30	U	ug/L	3.8	30	1.0
Hexachloroethane	10	U	ug/L	4.5	10	1.0
Indeno[1,2,3-cd]pyrene	10	U	ug/L	1.6	10	1.0
Isophorone	10	U	ug/L	2.7	10	1.0
Naphthalene	10	U	ug/L	1.8	10	1.0
Nitrobenzene	10	U	ug/L	3.2	10	1.0
N-Nitrosodiethylamine	10	U	ug/L	2.2	10	1.0
N-Nitrosodimethylamine	50	U	ug/L	1.9	50	1.0
N-Nitrosodi-n-propylamine	10	U	ug/L	3.2	10	1.0
N-Nitrosodiphenylamine	10	U	ug/L	1.4	10	1.0
N-Nitrosopyrrolidine	10	U	ug/L	3.5	10	1.0
Pentachlorophenol	10	U	ug/L	2.0	10	1.0
Phenanthrene	10	U	ug/L	1.1	10	1.0
Phenol	10	U	ug/L	1.0	10	1.0
Pyrene	10	U	ug/L	1.9	10	1.0
Pyridine	10	U	ug/L	1.9	10	1.0
Bis(2-chloroisopropyl) ether	10	U	ug/L	1.4	10	1.0
Surrogate	Acceptance Limits					
2,4,6 - Tribromophenol	55		%		10 - 120	
2-Fluorobiphenyl	74		%		10 - 120	
2-Fluorophenol	23		%		10 - 120	
Nitrobenzene-d5	65		%		10 - 120	
Phenol-d5	21		%		10 - 120	
Terphenyl-d14	34		%		10 - 120	

Ms. Maureen Fisher
 Tim Miller Associates, Inc.
 10 North Street
 Cold Spring, NY 10516

Job Number: 420-101194-1
 Sdg Number: 87 Hawks Ave., Ossining

Client Sample ID: S - 1
 Lab Sample ID: 420-101194-1

Date Sampled: 02/26/2016 1315
 Date Received: 02/26/2016 1451
 Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Method: 8260C			Date Analyzed:	02/29/2016 1343		
Prep Method: 5030C			Date Prepared:	02/29/2016 1343		
1,2,3-Trichlorobenzene	1.0	U	ug/L	1.0	1.0	1.0
1,2,4-Trichlorobenzene	1.0	U	ug/L	1.0	1.0	1.0
1,2,4-Trimethylbenzene	1.0	U	ug/L	1.0	1.0	1.0
1,3,5-Trimethylbenzene	1.0	U	ug/L	1.0	1.0	1.0
1,3-Dichlorobenzene	1.0	U	ug/L	1.0	1.0	1.0
1,4-Dichlorobenzene	1.0	U	ug/L	1.0	1.0	1.0
1,4-Dioxane	50	U	ug/L	50	50	1.0
2-Chlorotoluene	1.0	U	ug/L	1.0	1.0	1.0
2-Hexanone	5.0	U	ug/L	5.0	5.0	1.0
3-Chloropropene	1.0	U	ug/L	1.0	1.0	1.0
4-Chlorotoluene	1.0	U	ug/L	1.0	1.0	1.0
p-Isopropyltoluene	1.0	U	ug/L	1.0	1.0	1.0
Acetone	5.0	U	ug/L	5.0	5.0	1.0
Acetonitrile	1.0	U	ug/L	1.0	1.0	1.0
Acrolein	2.0	U	ug/L	2.0	2.0	1.0
Acrylonitrile	1.0	U	ug/L	1.0	1.0	1.0
Benzene	1.0	U	ug/L	1.0	1.0	1.0
Benzyl chloride	1.0	U	ug/L	1.0	1.0	1.0
Bromobenzene	1.0	U	ug/L	1.0	1.0	1.0
Bromoform	1.0	U	ug/L	1.0	1.0	1.0
Bromomethane	1.0	U	ug/L	1.0	1.0	1.0
Carbon disulfide	1.0	U	ug/L	1.0	1.0	1.0
Carbon tetrachloride	1.0	U	ug/L	1.0	1.0	1.0
Chlorobenzene	1.0	U	ug/L	1.0	1.0	1.0
Chlorobromomethane	1.0	U	ug/L	1.0	1.0	1.0
Chlorodibromomethane	1.0	U	ug/L	1.0	1.0	1.0
Chloroethane	1.0	U	ug/L	1.0	1.0	1.0
Chloroform	1.3		ug/L	1.0	1.0	1.0
Chloromethane	1.0	U	ug/L	1.0	1.0	1.0
cis-1,2-Dichloroethene	1.0	U	ug/L	1.0	1.0	1.0
cis-1,3-Dichloropropene	1.0	U	ug/L	1.0	1.0	1.0
Dibromomethane	1.0	U	ug/L	1.0	1.0	1.0
Bromodichloromethane	1.0	U	ug/L	1.0	1.0	1.0
Dichlorodifluoromethane	1.0	U	ug/L	1.0	1.0	1.0
Ethylbenzene	1.0	U	ug/L	1.0	1.0	1.0
Hexachlorobutadiene	1.0	U	ug/L	1.0	1.0	1.0
Isopropylbenzene	1.0	U	ug/L	1.0	1.0	1.0
m-Xylene & p-Xylene	2.0	U	ug/L	2.0	2.0	1.0
4-Methyl-2-pentanone (MIBK)	5.0	U	ug/L	5.0	5.0	1.0

Ms. Maureen Fisher
Tim Miller Associates, Inc.
10 North Street
Cold Spring, NY 10516

Job Number: 420-101194-1
Sdg Number: 87 Hawks Ave., Ossining

Client Sample ID: S - 1
Lab Sample ID: 420-101194-1

Date Sampled: 02/26/2016 1315
Date Received: 02/26/2016 1451
Client Matrix: Water

Analyte	Result/Qualifier		Unit	RL	RL	Dilution
Methyl tert-butyl ether	1.0	U	ug/L	1.0	1.0	1.0
Methylene Chloride	1.0	U	ug/L	1.0	1.0	1.0
n-Butylbenzene	1.0	U	ug/L	1.0	1.0	1.0
N-Propylbenzene	1.0	U	ug/L	1.0	1.0	1.0
Naphthalene	5.0	U	ug/L	5.0	5.0	1.0
o-Xylene	1.0	U	ug/L	1.0	1.0	1.0
sec-Butylbenzene	1.0	U	ug/L	1.0	1.0	1.0
Styrene	1.0	U	ug/L	1.0	1.0	1.0
tert-Butylbenzene	1.0	U	ug/L	1.0	1.0	1.0
Tetrachloroethene	1.0	U	ug/L	1.0	1.0	1.0
Toluene	1.0	U	ug/L	1.0	1.0	1.0
trans-1,2-Dichloroethene	1.0	U	ug/L	1.0	1.0	1.0
trans-1,3-Dichloropropene	1.0	U	ug/L	1.0	1.0	1.0
trans-1,4-Dichloro-2-butene	5.0	U	ug/L	5.0	5.0	1.0
Trichloroethene	1.0	U	ug/L	1.0	1.0	1.0
Trichlorofluoromethane	1.0	U	ug/L	1.0	1.0	1.0
Vinyl acetate	1.0	U	ug/L	1.0	1.0	1.0
Vinyl chloride	1.0	U	ug/L	1.0	1.0	1.0
Xylenes, Total	1.0	U	ug/L	1.0	1.0	1.0
1,1,1,2-Tetrachloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,1,1-Trichloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,1,2-Trichloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,1-Dichloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,1-Dichloroethene	1.0	U	ug/L	1.0	1.0	1.0
1,1-Dichloropropene	1.0	U	ug/L	1.0	1.0	1.0
1,2-Dibromo-3-Chloropropane	5.0	U	ug/L	5.0	5.0	1.0
1,2-Dichloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,2-Dichloropropane	1.0	U	ug/L	1.0	1.0	1.0
1,3-Dichloropropane	1.0	U	ug/L	1.0	1.0	1.0
2,2-Dichloropropane	1.0	U	ug/L	1.0	1.0	1.0
2-Chloroethyl vinyl ether	1.0	U	ug/L	1.0	1.0	1.0
1,2-Dibromoethane	1.0	U	ug/L	1.0	1.0	1.0
2-Butanone (MEK)	1.0	U	ug/L	1.0	1.0	1.0
1,2-Dichloroethene, Total	1.0	U	ug/L	1.0	1.0	1.0
1,1,2,2-Tetrachloroethane	1.0	U	ug/L	1.0	1.0	1.0
1,2,3-Trichloropropane	1.0	U	ug/L	1.0	1.0	1.0
Surrogate	Acceptance Limits					
Toluene-d8 (Surr)	97		%	74 - 129		
1,2-Dichloroethane-d4 (Surr)	98		%	77 - 117		
4-Bromofluorobenzene	89		%	74 - 119		

DATA REPORTING QUALIFIERS

Client: Tim Miller Associates, Inc.

Job Number:
Sdg Number: 87 Hawks Ave., Ossining

Lab Section	Qualifier	Description
GC/MS VOA	U	The analyte was analyzed for but not detected at or above the lowest stated limit.
GC/MS Semi VOA	*	LCS or LCSD exceeds the control limits
	U	The analyte was analyzed for but not detected at or above the lowest stated limit.

Definitions and Glossary

Client: Tim Miller Associates, Inc.

Job Number:

Sdg Number: 87 Hawks Ave., Ossining

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

101194

REPORT# (Lab Use Only)

Lab Name	EnviroTest Laboratories
Address & Phone	315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

03/07/2016

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Tim Miller Associates, Inc.

Job Number: 420-101194-1
SDG Number: 87 Hawks Ave., Ossining

Login Number: 101194

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	12.0 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	True	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	