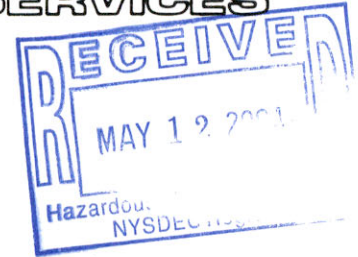


SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-7500 • FAX (516) 679-1900



October 3, 2002

Racanelli Construction
1895 Walt Whitman Road, Suite 1
Melville, N.Y. 11747
Attn: Mr. Marty Racanelli

Re: Vacant Parcel
Edison Avenue
Hauppauge, N.Y.

Dear Mr. Racanelli:

Forwarded herewith are the results of investigative activities recently completed at the above referenced site. The scope of work, conducted in general conformance with our proposal 8/19/02, was implemented for the purpose of assessing the environmental quality of that portion of the subject property, which was formerly operated as a landfill by the Town of Islip. Assessment of the landfill-like material and associated underlying undisturbed or virgin soil formations was completed as follow:

1. Screening of all soil samples recovered from geotechnical borehole locations, advanced into fill and natural formations throughout the subject property (total of 23 borings), for the presence of organic vapor and inspection of same for obvious signs of contamination.
2. Laboratory analysis of four (4) composite and four (4) discrete soil samples for volatile and semi-volatile organic compounds, herbicides, pesticides, PCB's, and metals, as outlined in NYSDEC TAGM 4046 and asbestos.

Qualified Soil Mechanics Environmental Services personnel collected all samples in accordance with appropriate sampling and decontamination protocols. The samples were generated utilizing hermetically sealed disposable sampling equipment and subsequently composited utilizing disposable food grade containers. The samples for analysis were hand delivered to Long Island Analytical Laboratories of Holbrook, NY (NYS certified), in accordance with appropriate Chain of Custody procedures.

The subject property is blanketed with up to approximately 35' feet of fill material, a bulk of which is consistent with former landfilling activities conducted by the Town of Islip. To facilitate a thorough assessment of the fill material on the subject property, as well as the underlying natural soil formations, a series of composite soil samples were generated from those soils acquired from four (4) individual borings, i.e. those locations which exhibited elevated organic vapor readings and/or were drilled directly into landfill-like fill materials (samples B-8/S-1 to S-7, B-14/S-1 to S-5, B-15/S-1 to S-7 and B-18/S-1 to S-5). The balance of the samples analyzed represent discrete grab samples of the natural soil formations below the fill at same

borehole locations (samples B-8/S-8, B-14-S-6, B-15/S-8, and B-18/S-6). The results of organic vapor screening and laboratory analysis are discussed below (see Site Plan, Tables #1 through 5, Boring Logs, and complete laboratory reports appended):

I Organic Vapor Screening

- All soil samples recovered from the geotechnical borehole locations were screened for the presence of organic vapor utilizing a PE Photovac Organic vapor Analyzer and inspected for obvious signs of contamination. The results of organic vapor screening indicated detectable concentrations of vapor at all boring locations (see Table below). Please refer to the attached Site plan for Boring Locations and Logs).

Boring Location	Detected Concentration (parts/million – ppm)
B-1	Obstruction at depth - Boring not completed
B-2	148.0 to 210.0
B-3	658.0 to 802.0
B-4	217.0 to 226.0
B-5	51.5 to 57.0
B-6	139.0 to 157.0
B-7	36.9 to 43.2
B-8	48.6 to 102.0
B-9	65.5 to 172.0
B-10	Non-detect to 42.1
B-11	Non-detect to 58.2
B-12	62.3 to 376.0
B-13	1219.0 to 2000.0+
B-14	183.0 to 1306.0
B-15	349.0 to 2000.0+
B-16	6.0 to 643.0
B-17	229.0 to 1915.0
B-18	96.2 to 302.0
B-19	Non-detect to 416.0
B-20	159.0 to 262.0
B-21	66.6 to 155.0
B-22	13.2 to 155.0
B-23	133.0 to 230.0
B-24	195.0 to 694.0

II Laboratory Results Composite Soil Samples – B-8/S-1 to S-7, B-14/S-1 to S-5, B-15/S-1 to S-7 and B-18/S-1 to S-6

- Non-detectable concentrations of volatile organic compounds (VOC's) in all samples with the exception of a single constituent in sample B-18/S-1 to S-5, which was within current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #1).
- Detectable concentrations of selected semi-volatile organic compounds (SVOC's) in all samples, some of which exceeded current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #2).
- Non-detectable concentration of PCB's in all samples (see Table #3).
- Detectable concentrations of a selected pesticide constituent in all samples, all of which were within current allowable concentrations in soils as defined by NYSDEC TAGM 4046 (see Table #3).
- Non-detectable concentrations of herbicides in all samples (see Table #4).
- Detectable concentrations of selected heavy metal constituents, some of which exceeded current allowable concentrations in soils as defined by NYSDEC TAGM 4046(see Table #5).
- Non-detectable concentrations of asbestos in all samples.

III Laboratory Results Discrete Soil Samples – B-8/S-8, B-14/S-6, B-15/S-8 and B-18/S-7

- Non-detectable concentrations of VOC's in all samples (see Table #1).
- Non-detectable concentrations of SVOC's in all samples with the exception of a selected constituent in all samples, which was within current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #2).
- Non-detectable concentration of PCB's in all samples (see Table #3).
- Non-detectable concentrations of pesticides in all samples (see Table #3).
- Non-detectable concentrations of herbicides in all samples (see Table #4).
- Detectable concentrations of selected heavy metal constituents, all of which were within current allowable concentrations in soils as defined by NYSDEC TAGM 4046 with the exception of iron in all samples (see Table #5).
- Non-detectable concentrations of asbestos in all samples.

In conclusion, based on the results of laboratory analysis of composite soil samples of the landfill-like material, it is our opinion that the areas investigated have been adversely impacted by selected SVOC and metals constituents effectively precluding classification of same as clean fill and deferring normal handling, transportation, and disposal options. Notably, however, the detected slightly elevated concentrations of SVOC constituents are common byproducts of fossil fuel combustion, i.e., coal ash and cinders, and are therefore ubiquitous in urban environments and as such should not represent a significant priority for further investigation of cleanup to a regulatory agency. Similarly, the detected slightly elevated concentrations of metal constituents, while noteworthy, are not indicative of a significant environmental concern since the detected concentrations are only slightly elevated and within regional background concentrations. The

only exception was the detected concentration of zinc in three of the composite samples. Notably, however, zinc is not a RCRA metal and, as such, its presence in samples from landfill-like materials will not, in our opinion, represent priority for further investigation or remediation to a regulatory agency. Accordingly, the identified condition at the subject property should not impede proposed commercial development of the property.

Renovation of the subject property via the installation of asphalt paved parking fields and concrete slabs walkways/sidewalks will virtually encapsulate any underlying areas of SVOC and metal contamination, thus significantly reducing potential exposure pathways in the future. Accordingly, the only remaining exposure pathway for identified contaminants is, therefore, through absorption or inhalation during proposed development of the site. Exposure pathways can be effectively minimized during construction activities by employing fugitive dust suppression techniques, including use of water trucks to wet down the exposed soil surfaces. We do, however, recommend that: a) appropriate Health and Safety and Contingency Plans to deal with known environmental concerns (methane, deleterious solid waste, etc.), as well as, any unidentified adverse environmental concerns (contaminated soils, buried drums, etc.) be prepared for the subject site; b) a soil management plan prepared to properly assess and dispose of all solid waste and soil that will be removed from the site; c) that the landfill-like material be disturbed as little as possible during proposed site development activities via the use of piled building foundations (in areas where the fill extends greater than 5' bgs) in lieu of conventional spread footings, which require more extensive excavations and result in superfluous fill materials; and d) all proposed on-site leaching storm water runoff drywells structures be installed only in areas that were not subject to historic land filling efforts in order to offset the potential for leaching out of contaminants from the land fill-like material into the underlying natural soil formations.

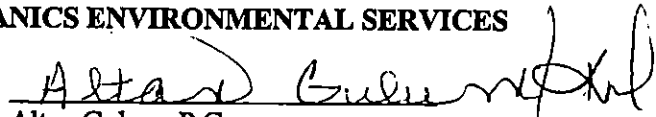
Significant concentrations of organic vapor were identified both during drilling activities and during screening of recovered soils samples. Accordingly, any proposed developments of the subject property will, in our opinion require the installation of an active sub-slab venting system. Similarly, a passive venting system will likely be required under the asphalt paved parking fields and low permeability soil caps over landscaped areas. Therefore, we recommend that a series of methane/combustible gas monitoring wells be installed on that portion of the subject property to be improved with new construction to assist in venting system sizing and design.

Finally, based on the results of laboratory analysis of discrete samples of the natural soils beneath the landfill like material, in the areas investigated, have not been adversely impacted relative to most of the targeted analytical parameters. The detected slightly elevated concentrations of a selected metal constituent (i.e. iron), while noteworthy, are not indicative of a significant environmental concern since iron is not a RCRA metal and the detected concentration are all within regional background concentrations as defined by the NYSDEC.

Should you have any questions regarding the contents of this letter, please don't hesitate to contact our office.

Very truly yours,

SOIL MECHANICS ENVIRONMENTAL SERVICES


Altan Gulum, P.G.

Project Manager



Robert Cardinale, M.S., C.E.G., P.G.
Director of Environmental Services


Carl Vernick, P.E.
President

**Table #1
Soil Samples
NYS TAGM Volatiles Analysis**

Parameter	B-8/ S1-S7	B-8/S-8	B-14/ S1-S5	B-14/S-6	B-15/ S1-S7	B-15/S-8	B-18/ S1-S5	B-18/S-6	Allowable
acetone	-	-	-	-	-	-	-	-	-
benzene	-	-	-	-	-	-	-	-	-
benzoic acid	-	-	-	-	-	-	-	-	-
2-butanone (MEK)	-	-	-	-	-	-	-	-	-
carbon disulfide	-	-	-	-	-	-	-	-	-
carbon tetrachloride	-	-	-	-	-	-	-	-	-
chlorobenzene	-	-	-	-	-	-	-	-	-
chloroethane	-	-	-	-	-	-	-	-	-
chloroform	-	-	-	-	-	-	-	-	-
dibromochloromethane	-	-	-	-	-	-	-	-	-
1,2-dichlorobenzene	-	-	-	-	-	-	-	-	-
1,3-dichlorobenzene	-	-	-	-	-	-	-	-	-
1,4-dichlorobenzene	-	-	-	-	-	-	35	-	8,500.0
1,1-dichloroethane	-	-	-	-	-	-	-	-	-
1,2-dichloroethane	-	-	-	-	-	-	-	-	-
1,1-dichloroethene	-	-	-	-	-	-	-	-	-
trans-1,2-dichloroethene	-	-	-	-	-	-	-	-	-
1,3-dichloropropane	-	-	-	-	-	-	-	-	-
ethylbenzene	-	-	-	-	-	-	-	-	-
1,1,2-trichloroethane	-	-	-	-	-	-	-	-	-
methylene chloride	-	-	-	-	-	-	-	-	-
4-methyl-2-pentanone	-	-	-	-	-	-	-	-	-
tetrachloroethene	-	-	-	-	-	-	-	-	-
1,1,1-trichloroethane	-	-	-	-	-	-	-	-	-
1,1,2,2-tetrachloroethane	-	-	-	-	-	-	-	-	-
1,2,3-trichlorobenzene	-	-	-	-	-	-	-	-	-
1,2,4-trichlorobenzene	-	-	-	-	-	-	-	-	-
toluene	-	-	-	-	-	-	-	-	-
trichloroethene	-	-	-	-	-	-	-	-	-
vinyl chloride	-	-	-	-	-	-	-	-	-
p & m-xylene	-	-	-	-	-	-	-	-	-
o-xylene	-	-	-	-	-	-	-	-	-

SMES # 02-830

All constituents measured in ug/Kg

- = Non-detectable concentrations

Allowables from: NYSDEC TAGM: Determination of soil cleanup objectives and cleanup levels
(HWR-94-4048-1/24/94).

Table #2
Soil Samples
NYS TAGM Semi-Volatiles Analysis

Parameter	B-8/ S1-S7	B-8/S-8	B14/ S1-S5	B-14/S-6	B-15/ S1-S7	B-15/S-8	B-18/ S1-S5	B-18/S-6	Allowable
acenaphthene	-	-	-	-	-	-	-	-	-
acenaphthylene	-	-	-	-	-	-	-	-	-
aniline	-	-	-	-	-	-	-	-	-
anthracene	-	-	-	-	-	-	-	-	-
benzo-a-anthracene	507	-	118	-	83	-	-	-	224.0
benzo-a-pyrene	531	-	166	-	99	-	-	-	61.0
benzo-b-fluoroanthene	508	-	159	-	108	-	-	-	1,100.0
benzo-g,h,i-perylene	306	-	100	-	60	-	-	-	50,000.0
benzo-k-fluoroanthene	439	-	136	-	99	-	-	-	1,100.0
bis(2-ethylexyl)phtalate	1,256	3,037	720	256	843	141	15,445	67	50,000.0
butylbenzylphtalate	334	-	-	-	-	-	766	-	50,000.0
chrysene	620	-	166	-	111	-	54	-	400.0
4-chloroaniline	-	-	-	-	-	-	-	-	-
4-chloro-3-methylphenol	-	-	-	-	-	-	-	-	-
2-chlorophenol	-	-	-	-	-	-	-	-	-
dibenzofuran	-	-	-	-	-	-	-	-	-
dibenzo-a,h-anthracene	-	-	-	-	-	-	-	-	-
3,3-dichlorobenzidine	-	-	-	-	-	-	-	-	-
2,4-dichlorophenol	-	-	-	-	-	-	-	-	-
2,4-dinitrophenol	-	-	-	-	-	-	-	-	-
2,6-dinitrotoluene	-	-	-	-	-	-	-	-	-
diethylphtalate	-	-	-	-	-	-	40	-	7,100.0
dimethylphtalate	-	-	-	-	-	-	-	-	-

SMES # 02-630

All constituents measured in ug/Kg

- = Non-detectable concentrations

Allowables from: NYSDEC TAGM: Determination of soil cleanup objectives and cleanup levels
(HWR-94-4046-1/24/94)

* - MDL's were raised due to matrix interference

Table #3
Soil Samples
NYS TAGM Pesticides/PCB's Analysis

Compound	B-8/ S1-S7	B-8/S-8	B-14/ S1-S5	B-14/S-6	B-15/ S1-S7	B-15/S-8	B-18/ S1-S5	B-18/S-6	Allowable
aldrin	-	-	-	-	-	-	-	-	-
α-BHC	-	-	-	-	-	-	-	-	-
β-BHC	-	-	-	-	-	-	-	-	-
γ-BHC	-	-	-	-	-	-	-	-	-
chlordane	99	-	31	-	43	-	38	-	540.0
4,4-DDD	103	-	9	-	33	-	10	-	2,900.0
4,4-DDE	38	-	-	-	-	-	6	-	2,100.0
4,4-DDT	124	-	-	-	-	-	-	-	2,100.0
dieldrin	-	-	-	-	-	-	8	-	44.0
endosulfan I	-	-	-	-	-	-	-	-	-
endosulfan II	-	-	-	-	-	-	-	-	-
endosulfan sulfate	-	-	-	-	-	-	-	-	-
endrin	-	-	-	-	-	-	-	-	-
endrin ketone	-	-	-	-	-	-	-	-	-
γ-BHC (Lindane)	-	-	-	-	-	-	-	-	-
γ-chlordane	-	-	-	-	-	-	-	-	-
heptachlor	-	-	-	-	-	-	-	-	-
heptachlor epoxide	-	-	-	-	-	-	-	-	-
4,4-methoxychlor	-	-	-	-	-	-	-	-	-
mitotane	-	-	-	-	-	-	-	-	-
parathion	-	-	-	-	-	-	-	-	-
Arochlor 1016	-	-	-	-	-	-	-	-	-
Arochlor 1221	-	-	-	-	-	-	-	-	-
Arochlor 1232	-	-	-	-	-	-	-	-	-
Arochlor 1242	-	-	-	-	-	-	-	-	-
Arochlor 1248	-	-	-	-	-	-	-	-	-
Arochlor 1254	-	-	-	-	-	-	-	-	-
Arochlor 1260	-	-	-	-	-	-	-	-	-

SMES # 02-630

All results reported in ug/kg - = Non-detectable concentrations
 Allowables from: NYSDEC TAGM: Determination of soil cleanup objectives and cleanup levels (HWR-94-4046-1/24/94).

Table #4
Soil Samples
NYS TAGM Herbicides Analysis

Parameter	B-8/ S1-S7	B-8/S-8	B-14/ S1-S5	B-14/S-6	B-15/ S1-S7	B-15/S-8	B-18/ S1-S5	B-18/S-6	Allowable
Dibenzo-furans	-	-	-	-	-	-	-	-	-
2,4-D	-	-	-	-	-	-	-	-	-
Silvex (2,4,5-TP)	-	-	-	-	-	-	-	-	-

SMES # 02-630

All results reported in ug/Kg

- = Non-detectable concentrations

**Table #5
Soil Samples
NYS TAGM Metals**

Parameter	B-8/ S1-S7	B-8/S-8	B-14/ S1-S5	B-14/S-6	B-15/ S1-S7	B-15/S-8	B-18/ S1-S5	B-18/S-6	Allowable	NYS Background
Silver as Ag	-	-	-	-	-	-	-	-	-	-
Aluminum as Al	5,339	1,106	4,475	1,819	5,123	1,027	2,630	1,113	SB	SB
Arsenic as As	2.78	-	2.02	-	-	-	-	-	-	-
Barium as Ba	60.4	5.48	59.7	5.79	17.3	7.06	8.49	4.57	300.0	15-600
Beryllium as Be	-	-	-	-	-	-	-	-	-	-
Calcium as Ca	15,092	186	7,576	198	8,557	213	849	228	SB	130-35,000
Cadmium as Cd	-	-	-	-	-	-	-	-	-	-
Cyanide as Cn	-	-	-	-	-	-	-	-	-	-
Cobalt as Co	-	-	-	-	-	-	-	-	-	-
Chromium as Cr	12.2	3.81	13.2	4.59	8.92	2.94	7.38	3.79	10.0	1.5-40
Copper as Cu	12.5	13.3	17.4	3.13	10.6	5.59	6.50	3.57	25.0	1-50
Iron as Fe	8,447	2,476	8,999	2,782	7,517	2,303	4,543	2,133	2,000	2,000-550,000
Mercury as Hg	0.14	-	0.05	-	0.03	-	0.05	0.020	-	0.001-0.2
Potassium as K	458	137	449	185	278	106	148	148	SB	85.00-43,000
Magnesium as Mg	4,207	221	2,319	602	2,391	210	319	206	SB	100-5,000
Manganese as Mn	90.1	79.0	95.0	76.6	65.6	231	59.4	23.2	SB	50-5,000
Sodium as Na	232	66.4	141	69.6	112	57.0	57.9	64.7	SB	6,000-8,000
Nickel as Ni	4.60	2.10	8.35	2.45	4.34	1.93	3.21	-	13.0	0.5-25
Lead as Pb	128	-	193	-	82.7	-	16.8	3.86	200-500	-
Antimony as Sb	3.31	-	-	-	-	-	-	-	-	SB
Selenium as Se	-	-	-	-	-	-	-	-	-	-
Thalium as Tl	-	-	-	-	-	-	-	-	-	-
Vanadium as V	7.92	3.78	10.7	4.59	8.99	2.64	4.76	2.82	150.0	1-300
Zinc as Zn	142	9.25	193	9.44	414	6.72	27.5	31.6	20.0	9-50

SMES #02-630

All Constituents measured in mg/Kg

- = Non-detectible concentrations

Allowables from: NYSDEC TAGM: Determination of soil cleanup objectives and cleanup levels (HWR-94-4046-1/24/94).



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/11/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-3

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	658
2	10-12	0-2000	802

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencaytz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
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INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
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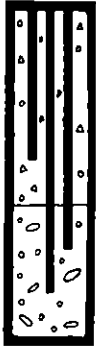
LOCATION #: B-6

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	145
2	10-12	0-2000	139
3	15-17	0-2000	157

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/11/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-7

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	43.2
2	10-12	0-2000	42
3	15-17	0-2000	40
4	20-22	0-2000	36.9

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/11/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-7

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1		0-2000	NO SAMPLE
2	5-7	0-2000	88.4
3	10-12	0-2000	67.7
4	15-17	0-2000	102
5	20-22	0-2000	52.8
6	25-27	0-2000	69
7	30-32	0-2000	48.6
8	35-37	0-2000	51

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/11/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-9

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	65.5
2	10-12	0-2000	138
3	15-17	0-2000	172

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



SOIL MECHANICS ENVIRONMENTAL SERVICES

3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-7500 • FAX (516) 679-1900

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/10/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-10

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	5-7	0-2000	42.1
3	10-12	0-2000	29.6
4	15-17	0-2000	ND
5	20-22	0-2000	ND
6	24-26	0-2000	3.5
7	26-28	0-2000	ND

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Mike Brennan



SOIL MECHANICS ENVIRONMENTAL SERVICES

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(516) 221-7500 • FAX (516) 679-1900

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/10/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

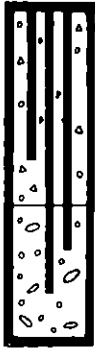
LOCATION #: B-11

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	5-7	0-2000	ND
3	10-12	0-2000	20.3
4	15-17	0-2000	58.2
5	20-22	0-2000	32.6
6	25-27	0-2000	28.3
7	30-32	0-2000	ND
8	35-37	0-2000	ND

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Mike Brennan



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(516) 221-7500 • FAX (516) 679-1900

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/10/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

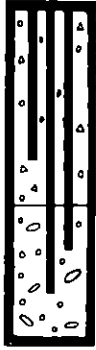
LOCATION #: B-11

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	5-7	0-2000	ND
3	10-12	0-2000	20.3
4	15-17	0-2000	58.2
5	20-22	0-2000	32.6
6	25-27	0-2000	28.3
7	30-32	0-2000	ND
8	35-37	0-2000	ND

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Mike Brennan



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3770 MERRICK ROAD • SEAFORD, L.I., NEW YORK 11783
(516) 221-7500 • FAX (516) 679-1900

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/10/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 -- 101/1 1.7

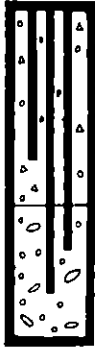
LOCATION #: B-12

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	275.0
2	2-4	0-2000	272.0
3	4-6	0-2000	152.0
4	10-12	0-2000	376.0
5	15-17	0-2000	102.1
6	20-22	0-2000	141.2
7	25-27	0-2000	151
8	30-32	0-2000	62.3

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Mike Brennan



SOIL MECHANICS ENVIRONMENTAL SERVICES

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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/12/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-13

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	2000+
2	10-12	0-2000	2000+
3	15-17	0-2000	2000+
4	20-22	0-2000	2000+
5	25-27	0-2000	2000+
6	30-32	0-2000	2000+
7	35-37	0-2000	1,219

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



SOIL MECHANICS ENVIRONMENTAL SERVICES

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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/11/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-14

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	183
2	10-12	0-2000	581
3	15-17	0-2000	196
4	20-22	0-2000	1,306
5	25-27	0-2000	1,129
6	30-32	0-2000	448

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



SOIL MECHANICS ENVIRONMENTAL SERVICES

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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/12/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 - 101/1 1.7

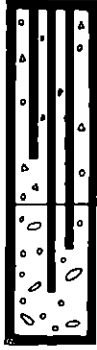
LOCATION #: B-15

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	5-7	0-2000	2000+
2	10-12	0-2000	1,040
3	15-17	0-2000	1,440
4	20-22	0-2000	967
5	25-27	0-2000	NO SAMPLE
6	30-32	0-2000	281
7	35-37	0-2000	666
8	40-42	0-2000	349

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

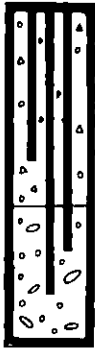
LOCATION #: B-16

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	6
2	2-4	0-2000	76.7
3	4-6	0-2000	103.
4	10-12	0-2000	138
5	15-17	0-2000	115
6	20-22	0-2000	199
7	25-27	0-2000	NO DATA/POOR RECOVERY
8	30-32	0-2000	156
9	35-37	0-2000	252
10	40-42	0-2000	643

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/5/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

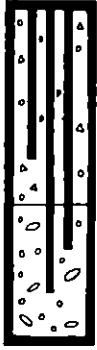
LOCATION #: B-17

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	1,693
2	2-4	0-2000	1,915
3	4-6	0-2000	931 (DAMP)
4	10-12	0-2000	229 (DAMP)
5	15-17	0-2000	925
6	20-22	0-2000	700 (EXCEEDS PEEK ALARM)
7	25-27	0-2000	626

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

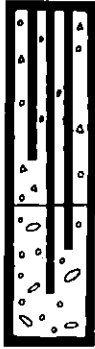
LOCATION #: B-18

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	140
2	2-4	0-2000	156
3	4-6	0-2000	302
4	10-12	0-2000	248
5	15-17	0-2000	253
6	20-22	0-2000	136
7	25-27	0-2000	151
8	30-32	0-2000	96.2

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

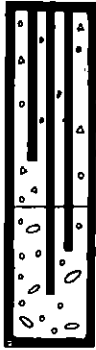
LOCATION #: B-19

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	416
3	4-6	0-2000	245
4	10-12	0-2000	282

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-20

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	168
2	2-4	0-2000	159
3	4-6	0-2000	208
4	10-12	0-2000	262

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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(516) 221-7500 • FAX (516) 679-1900

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 -- 101/1 1.7

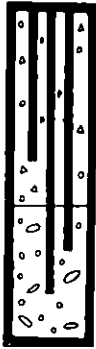
LOCATION #: B-21

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	123
2	2-4	0-2000	128
3	4-6	0-2000	82.6
4	10-12	0-2000	126
5	15-17	0-2000	66.6
6	20-22	0-2000	155
7	25-27	0-2000	82.1

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/4/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-22

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	13.2
2	2-4	0-2000	155
3	4-6	0-2000	155
4	10-12	0-2000	152
5	15-17	0-2000	103

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz

ENVIRONMENTAL ASSESSMENTS • ENVIRONMENTAL DRILLING AND TESTING • TEST BORINGS • GROUND WATER DETERMINATIONS
FOUNDATION RECOMMENDATIONS • HOLLOW STEM AUGER BORINGS • LABORATORY ANALYSES • TOP SOIL ANALYSES
ENGINEERING SUPERVISION • DIAMOND CORE DRILLING • UNDISTURBED SAMPLING • BEARING VALUES
TEST PITS • CONTROLLED LANDFILL • PERCOLATION TESTS • WELL POINT INSTALLATIONS



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/5/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 - 101/1 1.7

LOCATION #: B-23

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	184
2	2-4	0-2000	230
3	4-6	0-2000	228
4	10-12	0-2000	134
5	15-17	0-2000	134
6	20-22	0-2000	133
7	25-27	0-2000	147

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



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HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 02-630
JOB LOCATION: Hauppauge
JOB NAME:
DATE OF BORINGS: 9/5/02
DATE OF TESTING: Same
INSTRUMENT:

- PE Photovac 2020
 Foxboro Century OVA 128 GC
 HNU Photo-Ionization P1 – 101/1 1.7

LOCATION #: B-24

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	694
2	2-4	0-2000	500
3	4-6	0-2000	553
4	10-12	0-2000	292
5	15-17	0-2000	342
6	20-22	0-2000	322
7	25-27	0-2000	195

ND = NOT DETECTED
NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: Dave Shencavitz



1 of 49 pages

September 27, 2002

Bob Cardinale
Soil Mechanics
3770 Merrick Road
Seaford, New York 11783

Re: Hauppauge, 02-630

Dear Mr. Cardinale:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on September 20, 2002. Long Island Analytical Laboratories analyzed the samples on September 27, 2002 for the following:

CLIENT ID	ANALYSIS
B-8 S1-S7	TAGM Protocol
B-14 S1-S5	TAGM Protocol
B-15 S1-S7	TAGM Protocol
B-18 S1-S5	TAGM Protocol
B-8	TAGM Protocol
B-14	TAGM Protocol
B-15	TAGM Protocol
B-18	TAGM Protocol

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.



LONG ISLAND ANALYTICAL LABORATORIES INC.

NYSDOH ELAP# 11693
USEPA# NY01273
CTDOH# PH-0284

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

1 of 2 pages

October 4, 2002

Bob Cardinale
Soil Mechanics
3770 Merrick Road
Seaford, New York 11783

Re: Hauppauge, 02-630

Dear Mr. Cardinale:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on September 20, 2002. Long Island Analytical Laboratories analyzed the samples on October 4, 2002 for the following:

CLIENT ID	ANALYSIS
B-8 S1-S7	PLM Analysis
B-14 S1-S5	PLM Analysis
B-15 S1-S7	PLM Analysis
B-18 S1-S5	PLM Analysis
B-8	PLM Analysis
B-14	PLM Analysis
B-15	PLM Analysis
B-18	PLM Analysis

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Vennard

Laboratory Director



**LONG
ISLAND
ANALYTICAL
LABORATORIES INC.**

101-4 Colin Drive • Holbrook, New York 11741

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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<200
ACENAPHTHYLENE	208-96-8	<200
ANILINE	65-53-3	<200
ANTHRACENE	120-12-7	<200
BENZO-a-ANTHRACENE	56-55-3	507
BENZO-a-PYRENE	50-32-8	531
BENZO-b-FLUOROANTHENE	205-99-2	508
BENZO-g,h,i-PERYLENE	191-24-2	306
BENZO-k-FLUOROANTHENE	207-08-9	439
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	1,256
BUTYLBENZYLPHthalATE	85-68-7	334
CHRYSENE	218-01-9	620
4-CHLOROANILINE	106-47-8	<200
4-CHLORO-3-METHYLPHENOL	59-50-7	<200
2-CHLOROPHENOL	95-57-8	<200
DIBENZOFURAN	132-64-9	<200
DIBENZO-a,h-ANTHRACENE	53-70-3	<200
3,3-DICHLOROBENZIDINE	91-94-1	<200
2,4-DICHLOROPHENOL	102-83-2	<200
2,4-DINITROPHENOL	51-28-5	<200
2,6-DINITROTOLUENE	606-20-2	<200
DIETHYLPHthalATE	84-66-2	<200
DIMETHYLPHthalATE	131-11-3	<200

Note: MDL's are raised due to matrix interference.



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"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	<200
Di-n-OCTYLPHthalate	117-84-0	<200
FLUORANTHENE	206-44-0	1,242
FLUORENE	86-73-7	<200
HEXACHLORO BENZENE	118-74-1	<200
INDENO(1,2,3-c,d)PYRENE	193-39-5	301
ISOPHORONE	78-59-1	<200
2-METHYLNAPHTHALENE	91-57-6	<200
2-METHYLPHENOL	95-48-7	<200
4-METHYLPHENOL	106-44-5	<200
NAPHTHALENE	91-20-3	<200
NITROBENZENE	98-95-3	<200
2-NITROANILINE	88-74-4	<200
2-NITROPHENOL	88-75-5	<200
4-NITROPHENOL	100-02-7	<200
3-NITROANILINE	99-09-2	<200
PENTACHLORPHENOL	87-86-5	<200
PHENANTHRENE	85-01-8	697
PHENOL	108-95-1	<200
PYRENE	129-00-0	1,108
2,4,5-TRICHLOROPHENOL	95-95-4	<200

Note: MDL's are raised due to matrix interference.

Michael Verrill

Laboratory Director



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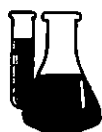
Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	99
4,4'- DDD	72-54-8	103
4,4'-DDE	72-55-9	38
4,4'-DDT	50-29-3	124
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Versell

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/26/02	Matrix: Soil
Date analyzed: 9/26/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Venzell

Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225468
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	5,339
ARSENIC, As	1.65 mg/kg	2.78
BARIUM, Ba	3.33 mg/kg	60.4
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	15,092
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	12.2
COPPER, Cu	1.65 mg/kg	12.5
IRON, Fe	1.65 mg/kg	8,447
MERCURY, Hg	0.02 mg/kg	0.14
POTASSIUM, K	1.65 mg/kg	458
MAGNESIUM, Mg	1.65 mg/kg	4,207
MANGANESE, Mn	1.65 mg/kg	90.1
SODIUM, Na	1.65 mg/kg	232
NICKEL, Ni	1.65 mg/kg	4.60
LEAD, Pb	1.65 mg/kg	128
ANTIMONY, Sb	1.65 mg/kg	3.31
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	7.92
ZINC, Zn	1.65 mg/kg	142

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Venzel

 Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Vennard

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<100
ACENAPHTHYLENE	208-96-8	<100
ANILINE	65-53-3	<100
ANTHRACENE	120-12-7	<100
BENZO-a-ANTHRACENE	56-55-3	118
BENZO-a-PYRENE	50-32-8	166
BENZO-b-FLUOROANTHENE	205-99-2	159
BENZO-g,h,i-PERYLENE	191-24-2	100
BENZO-k-FLUOROANTHENE	207-08-9	136
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	720
BUTYLBENZYLPHTHALATE	85-68-7	<100
CHRYSENE	218-01-9	166
4-CHLOROANILINE	106-47-8	<100
4-CHLORO-3-METHYLPHENOL	59-50-7	<100
2-CHLOROPHENOL	95-57-8	<100
DIBENZOFURAN	132-64-9	<100
DIBENZO-a,h-ANTHRACENE	53-70-3	<100
3,3-DICHLOROBENZIDINE	91-94-1	<100
2,4-DICHLOROPHENOL	102-83-2	<100
2,4-DINITROPHENOL	51-28-5	<100
2,6-DINITROTOLUENE	606-20-2	<100
DIETHYLPHTHALATE	84-66-2	<100
DIMETHYLPHTHALATE	131-11-3	<100

Note: MDL's are raised due to matrix interference.

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHTHALATE	84-74-2	<100
DI-n-OCTYLPHTHALATE	117-84-0	<100
FLUORANTHENE	206-44-0	291
FLUORENE	86-73-7	<100
HEXACHLOROENZENE	118-74-1	<100
INDENO(1,2,3-c,d)PYRENE	193-39-5	<100
ISOPHORONE	78-59-1	<100
2-METHYLNAPHTHALENE	91-57-6	<100
2-METHYLPHENOL	95-48-7	<100
4-METHYLPHENOL	106-44-5	<100
NAPHTHALENE	91-20-3	<100
NITROBENZENE	98-95-3	<100
2-NITROANILINE	88-74-4	<100
2-NITROPHENOL	88-75-5	<100
4-NITROPHENOL	100-02-7	<100
3-NITROANILINE	99-09-2	<100
PENTACHLOROPHENOL	87-86-5	<100
PHENANTHRENE	85-01-8	187
PHENOL	108-95-1	<100
PYRENE	129-00-0	255
2,4,5-TRICHLOROPHENOL	95-95-4	<100

Note: MDL's are raised due to matrix interference.

Michael Vennart

Laboratory Director



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Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	31
4,4'- DDD	72-54-8	9
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Venzel

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Vennard

Laboratory Director



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Date received: 9/20/02	Laboratory ID: 0225469
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	4,475
ARSENIC, As	1.65 mg/kg	2.02
BARIUM, Ba	3.33 mg/kg	59.7
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	7,576
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	13.2
COPPER, Cu	1.65 mg/kg	17.4
IRON, Fe	1.65 mg/kg	8,999
MERCURY, Hg	0.02 mg/kg	0.05
POTASSIUM, K	1.65 mg/kg	449
MAGNESIUM, Mg	1.65 mg/kg	2,319
MANGANESE, Mn	1.65 mg/kg	95.0
SODIUM, Na	1.65 mg/kg	141
NICKEL, Ni	1.65 mg/kg	8.35
LEAD, Pb	1.65 mg/kg	193
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	10.7
ZINC, Zn	1.65 mg/kg	193

Performed by SW-846 Method 6010
⁹Method: SM18(4500-CN-D)

Michael Vennard

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225470
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Vennard

Laboratory Director



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Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	83
BENZO-a-PYRENE	50-32-8	99
BENZO-b-FLUOROANTHENE	205-99-2	108
BENZO-g,h,i-PERYLENE	191-24-2	60
BENZO-k-FLUOROANTHENE	207-08-9	99
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	843
BUTYLBENZYLPHthalATE	85-68-7	<40
CHRYSENE	218-01-9	111
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHthalATE	84-66-2	<40
DIMETHYLPHthalATE	131-11-3	<40



Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225470
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	<40
DI-n-OCTYLPHthalate	117-84-0	149
FLUORANTHENE	206-44-0	176
FLUORENE	86-73-7	<40
HEXACHLORO BENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	59
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	<40
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLOROPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	97
PHENOL	108-95-1	<40
PYRENE	129-00-0	166
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Venzel

Laboratory Director



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Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	43
4,4'- DDD	72-54-8	33
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Vennard

Laboratory Director



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101-4 Colin Drive • Holbrook, New York 11741

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225470
Date extracted: 9/20/02	Matrix: Soil
Date analyzed: 9/20/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Versell

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15 S1-S7)
Date received: 9/20/02	Laboratory ID: 0225470
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	5,123
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	17.3
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	8,557
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	8.92
COPPER, Cu	1.65 mg/kg	10.6
IRON, Fe	1.65 mg/kg	7,517
MERCURY, Hg	0.02 mg/kg	0.03
POTASSIUM, K	1.65 mg/kg	278
MAGNESIUM, Mg	1.65 mg/kg	2,391
MANGANESE, Mn	1.65 mg/kg	65.6
SODIUM, Na	1.65 mg/kg	112
NICKEL, Ni	1.65 mg/kg	4.34
LEAD, Pb	1.65 mg/kg	82.7
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	8.99
ZINC, Zn	1.65 mg/kg	414

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Venzel

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	35
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Versell

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	<40
BENZO-a-PYRENE	50-32-8	<40
BENZO-b-FLUOROANTHENE	205-99-2	<40
BENZO-g,h,i-PERYLENE	191-24-2	<40
BENZO-k-FLUOROANTHENE	207-08-9	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	15,445
BUTYLBENZYLPHTHALATE	85-68-7	766
CHRYSENE	218-01-9	54
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHTHALATE	84-66-2	40
DIMETHYLPHTHALATE	131-11-3	<40



Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHTHALATE	84-74-2	1,331
Di-n-OCTYLPHTHALATE	117-84-0	121
FLUORANTHENE	206-44-0	<40
FLUORENE	86-73-7	<40
HEXACHLORO BENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	384
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLORPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	49
PHENOL	108-95-1	<40
PYRENE	129-00-0	46
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Vennard
Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	38
4,4'- DDD	72-54-8	10
4,4'-DDE	72-55-9	6
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	8
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Versell

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Venzel

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18 S1-S5)
Date received: 9/20/02	Laboratory ID: 0225471
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	2,630
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	8.49
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	849
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	7.38
COPPER, Cu	1.65 mg/kg	6.50
IRON, Fe	1.65 mg/kg	4,543
MERCURY, Hg	0.02 mg/kg	0.05
POTASSIUM, K	1.65 mg/kg	148
MAGNESIUM, Mg	1.65 mg/kg	319
MANGANESE, Mn	1.65 mg/kg	59.4
SODIUM, Na	1.65 mg/kg	57.9
NICKEL, Ni	1.65 mg/kg	3.21
LEAD, Pb	1.65 mg/kg	16.8
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	4.76
ZINC, Zn	1.65 mg/kg	27.5

Performed by SW-846 Method 6010
 %Method: SM18(4500-CN-D)

Michael Venzel

 Laboratory Director



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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8)
Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Vennard

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8)
Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	<40
BENZO-a-PYRENE	50-32-8	<40
BENZO-b-FLUOROANTHENE	205-99-2	<40
BENZO-g,h,i-PERYLENE	191-24-2	<40
BENZO-k- FLUOROANTHENE	207-08-9	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	3037
BUTYLBENZYLPHthalate	85-68-7	<40
CHRYSENE	218-01-9	<40
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHthalate	84-66-2	<40
DIMETHYLPHthalate	131-11-3	<40



Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8)
Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	<40
DI-n-OCTYLPHthalate	117-84-0	<40
FLUORANTHENE	206-44-0	<40
FLUORENE	86-73-7	<40
HEXACHLORO BENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	<40
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLORPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	<40
PHENOL	108-95-1	<40
PYRENE	129-00-0	<40
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Venzel

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8)
Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	<25
4,4'- DDD	72-54-8	<5
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Venzel

Laboratory Director



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Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Vennard

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-8)
Date received: 9/20/02	Laboratory ID: 0225472
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	1,106
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	5.48
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	186
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	3.81
COPPER, Cu	1.65 mg/kg	13.3
IRON, Fe	1.65 mg/kg	2,476
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	137
MAGNESIUM, Mg	1.65 mg/kg	221
MANGANESE, Mn	1.65 mg/kg	79.0
SODIUM, Na	1.65 mg/kg	66.4
NICKEL, Ni	1.65 mg/kg	2.10
LEAD, Pb	1.65 mg/kg	<1.65
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	3.78
ZINC, Zn	1.65 mg/kg	9.25

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Verrill

Laboratory Director



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"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14)
Date received: 9/20/02	Laboratory ID: 0225473
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Versell

Laboratory Director



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101-4 Colin Drive • Holbrook, New York 11741

TOMORROWS ANALYTICAL SOLUTIONS TODAY Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14)
Date received: 9/20/02	Laboratory ID: 0225473
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	<40
BENZO-a-PYRENE	50-32-8	<40
BENZO-b-FLUOROANTHENE	205-99-2	<40
BENZO-g,h,i-PERYLENE	191-24-2	<40
BENZO-k-FLUOROANTHENE	207-08-9	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	256
BUTYLBENZYLPHTHALATE	85-68-7	<40
CHRYSENE	218-01-9	<40
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHTHALATE	84-66-2	<40
DIMETHYLPHTHALATE	131-11-3	<40



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Date received: 9/20/02	Laboratory ID: 0225473
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Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	<40
Di-n-OCTYLPHthalate	117-84-0	<40
FLUORANTHENE	206-44-0	<40
FLUORENE	86-73-7	<40
HEXACHLORO BENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	<40
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLOROPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	<40
PHENOL	108-95-1	<40
PYRENE	129-00-0	<40
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Venzel

Laboratory Director



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Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	<25
4,4'- DDD	72-54-8	<5
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Vennard

Laboratory Director



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Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Vennart

Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-14)
Date received: 9/20/02	Laboratory ID: 0225473
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	1,819
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	5.79
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	198
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	4.59
COPPER, Cu	1.65 mg/kg	3.13
IRON, Fe	1.65 mg/kg	2,782
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	185
MAGNESIUM, Mg	1.65 mg/kg	602
MANGANESE, Mn	1.65 mg/kg	76.6
SODIUM, Na	1.65 mg/kg	69.6
NICKEL, Ni	1.65 mg/kg	2.45
LEAD, Pb	1.65 mg/kg	<1.65
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	4.59
ZINC, Zn	1.65 mg/kg	9.44

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Versell

Laboratory Director



Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15)
Date received: 9/20/02	Laboratory ID: 0225474
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

Michael Venzel

Laboratory Director



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Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	<40
BENZO-a-PYRENE	50-32-8	<40
BENZO-b-FLUOROANTHENE	205-99-2	<40
BENZO-g,h,i-PERYLENE	191-24-2	<40
BENZO-k-FLUOROANTHENE	207-08-9	<40
Bis(2-ETHYLEXYL)PHTHALATE	117-81-7	141
BUTYLBENZYLPHTHALATE	85-68-7	<40
CHRYSENE	218-01-9	<40
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHTHALATE	84-66-2	<40
DIMETHYLPHTHALATE	131-11-3	<40



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15)
Date received: 9/20/02	Laboratory ID: 0225474
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	<40
Di-n-OCTYLPHthalate	117-84-0	<40
FLUORANTHENE	206-44-0	<40
FLUORENE	86-73-7	<40
HEXACHLORO BENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	<40
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLORPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	<40
PHENOL	108-95-1	<40
PYRENE	129-00-0	<40
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Verrilli

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15)
Date received: 9/20/02	Laboratory ID: 0225474
Date extracted: 9/24/02	Matrix: Soil
Date analyzed: 9/24/02	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	<25
4,4'- DDD	72-54-8	<5
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

Michael Venzel

Laboratory Director



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Date received: 9/20/02	Laboratory ID: 0225474
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Venzel

Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-15)
Date received: 9/20/02	Laboratory ID: 0225474
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	1,027
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	7.06
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	213
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	2.94
COPPER, Cu	1.65 mg/kg	5.59
IRON, Fe	1.65 mg/kg	2,303
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	106
MAGNESIUM, Mg	1.65 mg/kg	210
MANGANESE, Mn	1.65 mg/kg	231
SODIUM, Na	1.65 mg/kg	57.0
NICKEL, Ni	1.65 mg/kg	1.93
LEAD, Pb	1.65 mg/kg	<1.65
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	2.64
ZINC, Zn	1.65 mg/kg	6.72

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Vennard

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18)
Date received: 9/20/02	Laboratory ID: 0225475
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	Results ug/kg
ACETONE	62-64-1	<50
BENZENE	71-43-2	<5
2-BUTANONE (MEK)	78-93-3	<10
CARBON DISULFIDE	75-15-0	<5
CARBON TETRACHLORIDE	56-23-5	<5
CHLOROBENZENE	108-90-7	<5
CHLOROETHANE	75-00-3	<5
CHLOROFORM	67-66-3	<5
DIBROMOCHLOROMETHANE	1868-53-7	<5
1,2-DICHLOROBENZENE	95-50-1	<5
1,3-DICHLOROBENZENE	541-73-1	<5
1,4-DICHLOROBENZENE	106-46-7	<5
1,1-DICHLOROETHANE	75-34-3	<5
1,2-DICHLOROETHANE	107-06-2	<5
1,1-DICHLOROETHENE	75-35-4	<5
trans-1,2-DICHLOROETHENE	156-60-5	<5
1,3-DICHLOROPROPANE	142-28-9	<5
ETHYLBENZENE	100-41-4	<5
1,1,2-TRICHLOROETHANE	79-00-5	<5
METHYLENE CHLORIDE	75-09-2	<5
4-METHYL-2-PENTANONE	108-10-1	<5
TETRACHLOROETHENE	127-18-4	<5
1,1,1-TRICHLOROETHANE	71-55-6	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	<5
1,2,3-TRICHLOROBENZENE	87-61-6	<5
1,2,4-TRICHLOROBENZENE	120-82-1	<5
TOLUENE	108-88-3	<5
TRICHLOROETHENE	79-01-6	<5
VINYL CHLORIDE	75-01-4	<5
p & m-XYLENE	1330-20-7	<10
o-XYLENE	1330-20-7	<5

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Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
ACENAPHTHENE	83-32-9	<40
ACENAPHTHYLENE	208-96-8	<40
ANILINE	65-53-3	<40
ANTHRACENE	120-12-7	<40
BENZO-a-ANTHRACENE	56-55-3	<40
BENZO-a-PYRENE	50-32-8	<40
BENZO-b-FLUOROANTHENE	205-99-2	<40
BENZO-g,h,i-PERYLENE	191-24-2	<40
BENZO-k-FLUOROANTHENE	207-08-9	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	67
BUTYLBENZYLPHTHALATE	85-68-7	<40
CHRYSENE	218-01-9	<40
4-CHLOROANILINE	106-47-8	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	<40
2-CHLOROPHENOL	95-57-8	<40
DIBENZOFURAN	132-64-9	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	<40
3,3-DICHLOROBENZIDINE	91-94-1	<40
2,4-DICHLOROPHENOL	102-83-2	<40
2,4-DINITROPHENOL	51-28-5	<40
2,6-DINITROTOLUENE	606-20-2	<40
DIETHYLPHTHALATE	84-66-2	<40
DIMETHYLPHTHALATE	131-11-3	<40



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18)
Date received: 9/20/02	Laboratory ID: 0225475
Date extracted: 9/25/02	Matrix: Soil
Date analyzed: 9/25/02	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	Results ug/kg
DI-n-BUTYLPHTHALATE	84-74-2	<40
DI-n-OCTYLPHTHALATE	117-84-0	<40
FLUORANTHENE	206-44-0	<40
FLUORENE	86-73-7	<40
HEXACHLOROENZENE	118-74-1	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	<40
ISOPHORONE	78-59-1	<40
2-METHYLNAPHTHALENE	91-57-6	<40
2-METHYLPHENOL	95-48-7	<40
4-METHYLPHENOL	106-44-5	<40
NAPHTHALENE	91-20-3	<40
NITROBENZENE	98-95-3	<40
2-NITROANILINE	88-74-4	<40
2-NITROPHENOL	88-75-5	<40
4-NITROPHENOL	100-02-7	<40
3-NITROANILINE	99-09-2	<40
PENTACHLORPHENOL	87-86-5	<40
PHENANTHRENE	85-01-8	<40
PHENOL	108-95-1	<40
PYRENE	129-00-0	<40
2,4,5-TRICHLOROPHENOL	95-95-4	<40

Michael Venzel

Laboratory Director



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NYS TAGM PESTICIDES

COMPOUND	CAS No.	RESULTS ug/kg
Aldrin	309-00-2	<5
α - BHC	319-84-6	<5
β - BHC	319-85-7	<5
δ - BHC	319-86-8	<5
Chlordane	12789-03-6	<25
4,4'- DDD	72-54-8	<5
4,4'-DDE	72-55-9	<5
4,4'-DDT	50-29-3	<5
Dieldrin	60-57-1	<5
Endosulfan I	959-98-8	<5
Endosulfan II	33212-65-9	<5
Endosulfan sulfate	1031-07-8	<5
Endrin	72-20-8	<5
Endrin ketone	53494-70-5	<5
γ - BHC (Lindane)	58-89-9	<5
γ - Chlordane	5103-74-2	<5
Heptachlor	76-44-8	<5
Heptachlor epoxide	1024-57-3	<5
4,4'-Methoxychlor	72-43-5	<5
Mitotane	53-17-0	<5
Parathion	56-38-2	<5
Arochlor 1016	12674-11-2	<200
Arochlor 1221	1104-28-2	<200
Arochlor 1232	11141-16-5	<200
Arochlor 1242	53469-21-9	<200
Arochlor 1248	12672-29-6	<200
Arochlor 1254	11097-69-1	<200
Arochlor 1260	11096-82-5	<200

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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18)
Date received: 9/20/02	Laboratory ID: 0225475
Date extracted: 9/26/02	Matrix: Soil
Date analyzed: 9/26/02	ELAP #: 11693

NYS TAGM HERBICIDES

PARAMETER	RESULTS ug/kg
DIBENZO-FURAN	<50
2,4,D	<50
SILVEX(2,4,5-TP)	<50

Michael Vennart

Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 02-630 (B-18)
Date received: 9/20/02	Laboratory ID: 0225475
Date extracted: 9/24, 9/25, 9/27/02	Matrix: Soil
Date analyzed: 9/24, 9/25, 9/27/02	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	1,113
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	4.57
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	228
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	3.79
COPPER, Cu	1.65 mg/kg	3.57
IRON, Fe	1.65 mg/kg	2,133
MERCURY, Hg	0.02 mg/kg	0.020
POTASSIUM, K	1.65 mg/kg	148
MAGNESIUM, Mg	1.65 mg/kg	206
MANGANESE, Mn	1.65 mg/kg	23.2
SODIUM, Na	1.65 mg/kg	64.7
NICKEL, Ni	1.65 mg/kg	<1.65
LEAD, Pb	1.65 mg/kg	3.86
ANTIMONY, Sb	1.65 mg/kg	<1.65
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	2.82
ZINC, Zn	1.65 mg/kg	31.6

Performed by SW-846 Method 6010
 Method: SM18(4500-CN-D)

Michael Vennard

 Laboratory Director



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2 of 2 pages

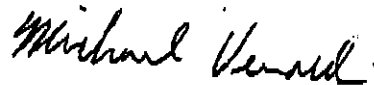
CLIENT: Soil Mechanics 3770 Merrick Road Seaford, NY 11783	DATE SAMPLED: 9/20/02 DATE RECEIVED: 9/20/02 DATE ANALYZED: 10/4/02 DATE REPORTED: 10/4/02
LOCATION: Hauppauge, 02-630	CONTRACTOR: 11693

PLM ANALYSIS REPORT

LIB ID	CLIENT ID	PERCENTAGE OF ASBESTOS	OTHER MATERIAL
A:5041	B-8 S1-S7	NAD	Wood, Quartz, Calcite, Gypsum, Cement, Tar, Clay
A:5042	B-14 S1-S5	NAD	Cellulose, Synthetic Fiber, Quartz, Calcite, Gypsum, Cement, Tar, Clay
A:5043	B-15 S1-S7	NAD	Wood, Quartz, Calcite, Gypsum, Tar, Clay, Cement
A:5044	B-18 S1-S5	NAD	Cellulose, Quartz, Calcite, Gypsum, Leather, Plastic, Clay
A:5045	B-8	NAD	Quartz, Feldspare, Hornblende, Clay
A:5046	B-14	NAD	Quartz, Feldspare, Hornblende, Clay
A:5047	B-15	NAD	Quartz, Feldspare, Hornblende, Clay
A:5048	B-18	NAD	Quartz, Feldspare, Hornblende, Clay, Cement

NAD: No Asbestos Detected

BULK ANALYSIS PER 40 CFR, SUBPART F, APPENDIX A
METHOD: ELAP 198.1/198.4



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