

SOIL MECHANICS

ENVIRONMENTAL SERVICES

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January 8, 2004

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

Re: Vacant Parcel
Edison Avenue
Hauppauge, N.Y.
SMES #03-786

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 dated 10/29/03, was implemented for the purpose of further assessing the environmental quality of that portion of the subject property, which was formerly operated as a landfill by the Town of Islip. Assessment activities included the following:

- 1). Drilling of a series of 12 soil test borings at selected locations on the subject property; collection of associated soil samples, on a continuous basis, to virgin soil formations underlying the Site's fill materials.
- 2). Installation of a series of six (6) @ 2.0" diameter soil-vapor monitoring wells to NYSDEC specifications, at selected locations on the subject property.
- 3). Screening of all recovered soil samples for the presence of organic vapor, utilizing photo ionization detector (PID) and inspection of same for obvious signs of contamination, i.e., unnatural odors, staining, etc..
- 4). Screening of soil-vapor monitoring wells for the presence of methane and associated gases, utilizing a landfill gas analyzer.
- 5). Laboratory analysis of 12 selected soil samples for volatile and semi volatile organic compounds, herbicides, pesticides, PCB's, and metals, as outlined in NYSDEC TAGM 4046.

Qualified Soil Mechanics Environmental Services personnel collected all samples in accordance with appropriate sampling and decontamination protocols. 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 results of investigative activities indicated the following (see Site Plan, Tables #1 through #6, Head Space Organic Vapor Summary Sheets, Boring Logs, complete laboratory reports, and chains of custody appended).

The subject property is blanketed with up to approximately 37' feet of fill material, a bulk of which is associated with former landfilling activities conducted by the Town of Islip. To facilitate a thorough assessment of the fill material on the subject property, a series of 11 soil test borings were advanced through the site's fill materials to the underlying natural soil formations. One of the proposed soil test borings (B-38) could not be completed due to the presence of a large soil stockpile in the area to be investigated. A total of six (6) soil-vapor monitoring wells were installed, at locations which were subject to most extensive backfilling efforts. Two (2) of the wells (SGW-1 and 4) were, however, destroyed subsequent to installation and, as such, could not be sampled.

I Organic Vapor Screening

All soil samples recovered from the borehole locations were screened for the presence of organic vapor utilizing a PE Photovac Organic Vapor Analyzer or photo ionization detector (PID) and inspected for obvious signs of contamination. The results of organic vapor screening are summarized in the Table A below. Evidence of obvious signs of contamination were not observed in any of the recovered soil samples. Accordingly, those samples with the highest overall organic vapor reading at each borehole location were selected for further laboratory analysis.

Table A

Boring Location	Detected Concentration (parts/million – ppm)
B-34	Non-Detect
B-35	Non-Detect
B-36	Non-Detect
B-37	Non-Detect to 104.0
B-38	Not Drilled
B-39	Non-Detect to 6.6
B-40	Non-Detect to 4.4
B-41	Non-Detect to 5.8
B-42	1.0 to 54.5
B-43	Non-Detect to 112.0
B-44	Non-Detect to 21.7
B-45	4.9 to 23.5

II Results of Laboratory Analysis Soil Samples – B-34/S-5, B-35/S-5, B-36/S-2, B-37/S-4, B-39/S-5, B-40/S-4, B-41/S-6, B-42/S-7, B-43/S-18, B-44/S-7, and B-45/S-4

- Non-detectable concentrations of volatile organic compounds (VOCs) in samples B-34/S-5, B-35/S-5, B-39/S-5, B-40/S-4, B-43/S-18; detectable concentrations in the balance of the samples, all of which were within current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #1).
- Non-detectable concentrations of selected semi-volatile organic compounds (SVOCs) in samples B-39/S-5 and B-40/S-4; detectable concentrations in the balance of the samples, some of which exceeded current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #2).
- Non-detectable concentration of pesticides in samples B-40/S-4, B-42/S-S-7, B-43/S-18, and B-45/S-4; detectable concentrations in the balance of the samples, all of which were within current allowable concentration in soils as defined by NYSDEC – TAGM 4046 (see Table #3).
- Non-detectable concentrations of PCBs in all samples, with the exception of a single constituent in samples B-42/S-7 and B-45/S4, both of which were within current allowable concentration 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 in all samples, some of which exceeded current allowable concentrations in soils as defined by NYSDEC TAGM 4046(see Table #5).

III Results of Soil-Vapor Screening

To effectively assess soil-vapor quality at the subject property, a series of soil-vapor samples were acquired from wells installed at selected locations throughout the site. All wells were sampled for the presence of methane, organic vapor, oxygen, hydrogen sulphide, and carbon dioxide, utilizing a LANDTEC GA-90 Landfill Gas Analyzer and a PE Photovac PID.

- Detectable concentrations of methane in soil-vapor samples acquired from monitoring all well locations, all of which exceeded the lower explosive limit or LEL for methane of 5% methane/volume (see Table #6).
- Non-detectable concentrations of organic vapor in all monitoring well locations when screened with a PID (see Table #6).
- Non-detectable concentrations of hydrogen sulphide in all samples (see Table #6).

IV Conclusions

In conclusion, it is our opinion that the results of laboratory analysis of soil samples acquired as part of this investigation are in general conformance with those attained during a previous investigation conducted by our office (see our report dated 10/3/02). Accordingly, it continues to be 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. The only exception to the aforementioned was the detected concentrations of cadmium, copper, nickel, mercury, and zinc in selected samples, which exceed background concentrations defined by the NYSDEC. The identified condition, with respect to the cadmium and mercury, is noteworthy, because they are RCRA metals and are, therefore, subject to greater scrutiny with respect to landfilling operations. Nevertheless, the detected concentrations of these metals only slightly exceed published background levels. Therefore, it continues to be our opinion that the identified impaired soil quality at the subject property should not impede proposed commercial redevelopment of the property. Naturally, a final decision regarding the need for the implementation of additional investigative activities or remedial efforts must be made by a regulatory agency.

As discussed in our previous study, use of proposed site improvements, i.e., asphalt paved parking fields, concrete slabs, concrete walkways/sidewalks, etc., to cap any underlying areas of SVOC and metal contamination and eliminate potential exposure pathways for same is a viable remedial approach for the subject property. The results of laboratory analysis of the natural soil formations underlying the site's fill materials, which were previously assessed, indicate that identified contaminants are locked into the soil matrix and do not appear to be leaching out. Accordingly, the only remaining exposure pathway for identified contaminants is, therefore, through absorption or inhalation during proposed development of the site. Exposure pathways can, therefore, 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, therefore, continue to recommend that: a) appropriate Health and Safety and Contingency Plans to deal with known environmental concerns (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 drywell 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.

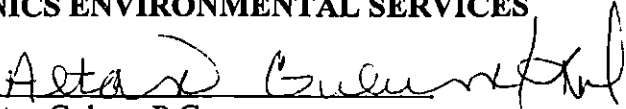
Significant concentrations of methane, well in excess of its LEL, were identified in soil-vapor wells installed at selected locations on the subject property. Based on the detected concentrations of methane, it is our opinion that an active and/or passive soil-vapor venting system will be necessary as part of any site redevelopment effort. Further to the aforementioned,

a passive venting system may be required under the asphalt paved parking fields and low permeability soil caps over landscaped areas.


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

Very truly yours,

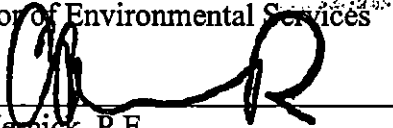
SOIL MECHANICS ENVIRONMENTAL SERVICES



Altan Gulum, P.G.
Project Manager



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



Carl Vernick, P.E.
President

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

Parameter	B34/ S5	B35/ S5	B36/ S2	B37/ S4	B39/ S5	B40/ S4	B41/ S6	B42/ S7	B43/ S18	B44/ S7	B45/ S4	Allowable*
acetone	<50	<50	88	151	<50	<50	176	<50	<5	166	<5	200.0
benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
2-butanone (MEK)	<10	<10	12	<10	<10	<10	28	<10	<5	41	<5	300.0
carbon disulfide	<5	<5	<5	<5	<5	<5	15	<5	<5	<5	<5	-
carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
chlorobenzene	<5	<5	<5	<5	<5	<5	<5	13	<5	9	16	1,700.0
chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,2-dichlorobenzene	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<5	-
1,3-dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	7,900.0
1,4-dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	25	<5	32	30	8,500.0
1,1-dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,1-dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
trans-1,2-dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,2-dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,3-dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	32	<5	5,500.0
1,1,2-trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	5	<5	100.0
4-methyl-2-pentanone	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	106	<5	1,400.0
1,1,1-trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,1,2,2-tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,2,3-trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
1,2,4-trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	12	<5	1,500.0
trichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
vinyl chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	-
Xylenes (Mixed)	<10	<10	<10	<10	<10	<10	<10	<10	<10	72	10	1,200.0

All constituents measured in ug/Kg

- = Non-detectable concentrations

*Recommended Soil Clean-up Objectives from NYSDEC TAGM (HMR-94-4046-1/24/94).

**Table #2
Soil Samples
NYS TAGM Semi-Volatiles Analysis**

Parameter	B34/ S5	B35/ S5	B36/ S2	B37/ S4	B39/ S5	B40/ S4	B41/ S6	B42/ S7	B43/ S18	B44/ S7	B45/ S4	Allowable*
acenaphthene	<160	<80	<320	1,420	<40	<40	1,510	<80	<40	<40	<40	50,000.0
acenaphthylene	<160	<80	<320	707	<40	<40	<320	<80	<40	<40	<40	41,000.0
aniline	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
anthracene	<160	<80	343	4,558	<40	<40	2,053	<80	<40	<40	<40	50,000.0
benzo-a-anthracene	<160	207	773	5,918	<40	<40	6,917	<80	<40	<40	<40	224.0
benzo-a-pyrene	<160	182	670	4,280	<40	<40	5,484	<80	<40	<40	<40	61.0
benzo-b-fluoranthene	160	234	718	3,943	<40	<40	6,712	<80	<40	<40	<40	1,100.0
benzo-g,h,i-perylene	<160	129	396	2,181	<40	<40	3,232	<80	<40	<40	<40	50,000.0
benzo-k-fluoranthene	<160	99	<320	2,897	<40	<40	2,791	<80	<40	<40	<40	1,100.0
bis(2-ethylhexyl)phthalate	<160	<500	672	3,831	<500	<500	6,361	10,991	819	7,326	837	50,000.0
butylbenzylphthalate	<160	<80	<320	<120	<40	<40	597	<80	<40	557	<40	50,000.0
chrysene	<160	217	723	4,888	<40	<40	6,210	<80	<40	<40	<40	400.0
4-chloroaniline	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
4-chloro-3-methylphenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2-chlorophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
dibenzofuran	<160	<80	<320	1,689	<40	<40	1,175	<80	<40	<40	<40	6,200.0
dibenzo-a,h-anthracene	<160	<80	<320	673	<40	<40	887	<80	<40	<40	<40	14.0
3,3-dichlorobenzidine	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2,4-dichlorophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2,4-dinitrophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2,6-dinitrotoluene	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
diethylphthalate	<160	<80	<320	<120	<40	<40	<320	188	<40	309	<40	7,100.0
dimethylphthalate	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
di-n-butylphthalate	<500	<500	<500	<500	<500	<500	<500	<500	<500	<40	<40	-
di-n-octylphthalate	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
fluoranthene	187	382	1,578	14,386	<40	<40	12,030	<80	<40	1,531	<40	50,000.0
fluorene	<160	<80	<320	2,922	<40	<40	2,073	119	<40	374	<40	50,000.0
hexachlorobenzene	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
indeno(1,2,3-c,d)pyrene	<160	112	385	2,389	<40	<40	3,448	<80	<40	<40	<40	3,200.0
isophorone	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2-methylnaphthalene	<160	<80	<320	1,242	<40	<40	331	484	<40	95	<40	36,400.0
2-methylphenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
4-methylphenol	<160	<80	<320	298	<40	<40	<320	<80	<40	2,550	<40	900.0
naphthalene	<160	<80	<320	1,785	<40	<40	651	840	<40	1,146	43	13,000.0
nitrobenzene	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2-nitroaniline	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
2-nitrophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
4-nitrophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
3-nitroaniline	<160	<80	<320	<120	<40	<40	<320	<80	<40	<40	<40	-
pentachlorophenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	218	<40	1,000.0
phenanthrene	<160	198	1,429	16,539	<40	<40	10,120	273	<40	<40	<40	50,000.0
phenol	<160	<80	<320	<120	<40	<40	<320	<80	<40	148	<40	-
pyrene	181	363	1,567	13,555	<40	<40	11,510	<80	<40	<40	<40	50,000.0
2,4,6-trichlorophenol	<160	<80	<320	<120	<500	<500	<320	<80	<40	<40	<40	-

SMES # 03-786

All constituents measured in ug/Kg

- = Non-detectable concentrations

* Recommended soil Clean-up Objectives from NYSDEC TAGM (HWR-94-4046-1/24/94).

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

Compound	B34/ S5	B35/ S5	B36/ S2	B37/ S4	B39/ S5	B40/ S4	B41/ S6	B42/ S7	B43/ S18	B44/ S7	B45/ S4	Allowable*
aldrin	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
a-BHC	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
B-BHC	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
g-BHC	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
chlordane	34	143	52	236	<15	<15	213	<15	<15	<15	<15	540.0
4,4-DDD	<5	108	8	30	11	<5	15	<5	<5	13	<5	2,900.0
4,4-DDE	<5	116	7	21	11	<5	10	<5	<5	6	<5	2,100.0
4,4-DDT	<5	22	<5	<7	7	<5	<5	<5	<5	<5	<5	2,100.0
dieldrin	<5	<5	<5	<7	39	<5	<5	<5	<5	8	<5	44.0
endosulfan I	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
endosulfan II	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
endosulfan sulfate	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
endrin	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
endrin ketone	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
y-BHC (Lindane)	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
y-chlordane	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
heptachlor	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
heptachlor epoxide	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
4,4-methoxychlor	<5	<5	<5	<7	7	<5	<5	<5	<5	<5	<5	**
mitotane	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
parathion	<5	<5	<5	<7	<5	<5	<5	<5	<5	<5	<5	-
Arochlor 1016	<200	<200	<200	<200	<200	<200	<200	499	<200	<200	777	10,000.0(+)
Arochlor 1221	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Arochlor 1232	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Arochlor 1242	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Arochlor 1248	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Arochlor 1254	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-
Arochlor 1260	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	-

SMES # 03-786

All results reported in ug/kg

- = Non-detectable concentrations

(+) Allowable from 1.5' and below

*Recommended soil Clean-up Objectives from NYSDEC TAGM (HWR-94-4046-1/24/94)

**Total Pesticides < 10 parts/million

Table #4
Soil Samples
NYS TAGM Herbicides Analysis

Parameter	B34/ S5	B35/ S5	B36/ S2	B37/ S4	B39/ S5	B40/ S4	B41/ S6	B42/ S7	B43/ S18	B44/ S7	B45/ S4	Allowable*
Dibenzo-furans	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-
2,4-D	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-
Silvex (2,4,5-TP)	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	-

SMES # 03-786

All results reported in ug/Kg

- = Non-detectable concentrations

*Recommended soil Clean-up Objectives from NYSDEC TAGM (HWR-94-4046-1/24/94).

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

Parameter	B34/ S5	B35/ S5	B36/ S2	B37/ S4	B39/ S5	B40/ S4	B41/ S6	B42/ S7	B43/ S18	B44/ S7	B45/ S4	Allowable*	NYS Background
Silver as Ag	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	-	-
Aluminum as Al	5,952	4,696	3,685	5,403	4,628	3,658	3,051	2,435	1,388	10,832	2,079	SB	33,000.0
Arsenic as As	<1.65	1.67	<1.65	2.75	<1.65	<1.65	2.37	<1.65	<1.65	<1.65	<1.65	7.5	3-12
Barium as Ba	18.9	29.1	31.4	234	33.8	8.83	43.9	11.3	6.75	14.2	12.9	300.0	15-600
Beryllium as Be	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	-	-
Calcium as Ca	2,087	5,025	17,956	29,008	10,924	445	15,383	726	167	2,445	1,075	SB	130-35,000
Cadmium as Cd	<1.00	<1.00	1.01	<1.00	<1.00	<1.00	1.35	1.16	<1.00	<1.00	<1.00	1.0	0.1-1.0
Cyanide as Cn	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-	-
Cobalt as Co	3.08	3.27	3.23	4.30	3.18	1.68	3.72	5.83	<1.65	3.61	2.51	30.0	2.5-60.0
Chromium as Cr	6.42	8.66	9.44	13.4	5.43	3.64	19.1	12.4	2.77	10.0	7.99	10.0	1.5-40.0
Copper as Cu	10.1	79.8	25.1	25.2	60.0	3.10	55.1	39.6	2.19	5.44	8.83	25.0	1-50.0
Iron as Fe	6,964	6,226	6,554	6,793	5,805	3,634	9,715	5,422	2,115	9,326	11,615	2,000.0	2,000-550,000
Mercury as Hg	<0.020	0.089	0.054	0.476	0.064	<0.020	0.168	0.067	<0.020	0.179	0.131	0.1	0.001-0.2
Potassium as K	424	462	1,001	7,336	905	152	531	130	163	476	127	SB	8,500-43,000
Magnesium as Mg	992	1,934	4,552	1,625	1,179	491	2283	300	294	1,418	513	SB	100-5,000
Manganese as Mn	122	98.3	97.5	103	56.8	37.2	126	36.9	51.0	133	91.9	SB	50-5,000
Sodium as Na	72.2	67.3	251	2,452	83.5	28.1	161	53.0	30.0	69.4	62.7	SB	6,000-8,000
Nickel as Ni	4.19	5.49	5.78	18.9	4.25	2.13	9.87	41.5	2.12	5.09	3.85	13.0	0.5-25.0
Lead as Pb	50.0	45.1	30.5	64.8	16.5	6.12	64.4	30.5	1.67	6.72	16.3	200-500	-
Antimony as Sb	1.96	2.26	<1.65	<1.65	<1.65	<1.65	1.95	<1.65	<1.65	<1.65	<1.65	SB	-
Selenium as Se	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	-	-
Thalium as Tl	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	<1.65	-	-
Vanadium as V	12.5	11.9	10.6	26.3	8.07	5.68	8.94	3.70	2.89	13.1	3.88	150.0	1-300
Zinc as Zn	38.6	44.7	57.9	102	53.3	9.97	988	69.7	24.3	290	70.9	20.0	9-50

SMES #03-786

All constituents measured in mg/Kg

- =Non-detectable concentrations

*Recommended soil Clean-up Objectives from NYSDEC TAGM (HWR-94-4046-1/24/94).

SB = Site Background

**Table #6
Soil-Gas Results**

Sample ID #	CH₄*	CO₂*	O₂*	H₂S	PID	Comment(s)
SGW-1	-	-	-	-	-	Well Destroyed
SGW-2	51.1	2.2	3.9	ND	ND	-
SGW-3	34.8	11.5	1.3	ND	ND	-
SGW-4	-	-	-	-	-	Well Destroyed
SGW-5	18.4	11.0	10.2	ND	ND	-
SGW-6	47.9	24.6	0.5	ND	ND	-

03-786

*All units are Percent Gas by Volume

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/24/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-34

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	ND
4	6-8	0-2000	ND
5	8-10	0-2000	ND
6	10-12	0-2000	ND
*7	12-14	0-2000	ND
8	14-16	0-2000	ND
9	16-18	0-2000	ND
10	18-20	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: PAUL B.

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/24/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-35**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	ND
4	6-8	0-2000	ND
*5	8-10	0-2000	ND
6	10-12	0-2000	ND
7	12-14	0-2000	ND
8	14-16	0-2000	ND
9	16-18	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: **PAUL B.**

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/24/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-36**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	ND
*4	6-8	0-2000	ND
5	8-10	0-2000	ND
6	10-12	0-2000	ND
7	12-14	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: **PAUL B.**

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/19/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-37

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	ND
*4	15-17	0-2000	104.0
5	20-22	0-2000	19.0
6	25-27	0-2000	ND
7	30-32	0-2000	ND
8	35-37	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: PAUL B.

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/18/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-39**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	5-7	0-2000	3.0
3	10-12	0-2000	4.2
4	15-17	0-2000	0.5
*5	20-22	0-2000	6.6
6	25-27	0-2000	0.6
7	30-32	0-2000	5.6

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: DAN MARZANO

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/20/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-40**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	ND
4	6-8	0-2000	ND
5	8-10	0-2000	ND
6	10-12	0-2000	ND
7	12-14	0-2000	1.3
8	14-16	0-2000	ND
9	16-18	0-2000	ND
10	18-20	0-2000	0.6
*11	20-22	0-2000	4.4
12	22-24	0-2000	3.0

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: PAUL B.

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/20/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-40 – CONT'D.**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
13	24-26	0-2000	1.0
14	26-28	0-2000	0.3
15	28-30	0-2000	ND
16	30-32	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: **PAUL B.**

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/24/03 – 11/25/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-41

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	ND
4	15-17	0-2000	ND
5	20-22	0-2000	ND
*6	25-27	0-2000	8.1 {DECOMPOSED WOOD}
7	30-32	0-2000	5.8
8	35-37	0-2000	.6
9	37-39	0-2000	4.0
10	40-42	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: PAUL B.

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/18/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-42

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	1.0
2	5-7	0-2000	3.0
3	10-12	0-2000	30.0
4	15-17	0-2000	NR
5	20-22	0-2000	1.2
6	25-27	0-2000	24.2
*7	30-32	0-2000	54.5
8	35-37	0-2000	22.9 {NATURAL}

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: DAN MARZANO

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/18/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: **B-43**

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	6.9
4	6-8	0-2000	2.7
5	8-10	0-2000	17.5
6	10-12	0-2000	5.7
7	12-14	0-2000	ND
8	14-16	0-2000	24.5
9	16-18	0-2000	41.5
10	18-20	0-2000	ND
11	20-22	0-2000	51.7
12	22-24	0-2000	43.5

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: **DAN MARZANO**

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/18/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-43 – CONT'D.

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
13	24-26	0-2000	56.5
14	26-28	0-2000	38.0
15	28-30	0-2000	41.0
16	30-32	0-2000	35.0
17	32-34	0-2000	7.1
*18	34-36	0-2000	112.0

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: DAN MARZANO

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/20/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-44

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	ND
2	2-4	0-2000	ND
3	4-6	0-2000	70
4	6-8	0-2000	6.6
5	8-10	0-2000	34
6	10-12	0-2000	18.6
*7	12-14	0-2000	21.7
8	14-16	0-2000	8.3
9	16-18	0-2000	6.7
10	18-20	0-2000	ND
*11	20-22	0-2000	0.8
12	22-24	0-2000	ND

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

INSPECTOR: PAUL E.

HEAD SPACE ORGANIC VAPOR ANALYSIS

JOB #: 03-786
 JOB LOCATION: Hauppauge
 JOB NAME:
 DATE OF BORINGS: 11/18/03
 DATE OF TESTING: Same
 INSTRUMENT:

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

LOCATION #: B-45

SAMPLE #	DEPTH (FT.)	DETECTION RANGE	DETECTED CONCENTRATION (ppm)
1	0-2	0-2000	7.9
2	5-7	0-2000	9.4
3	10-12	0-2000	5.4
*4	15-17	0-2000	23.5
5	20-22	0-2000	22.0
6	25-27	0-2000	10.5
7	30-32	0-2000	4.9 {NATURAL}

ND = NOT DETECTED
 NR = NO RECOVERY

*LABORATORY ANALYSIS

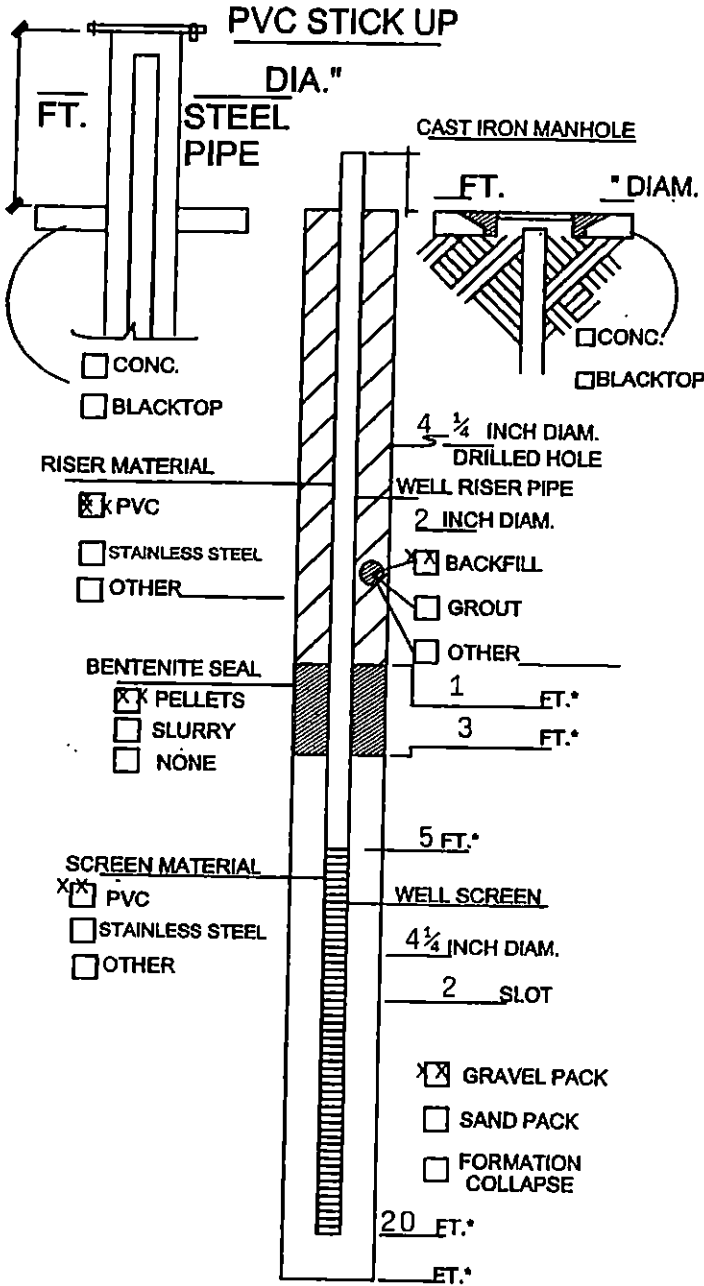
INSPECTOR: DAN MARZANO

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. 1



- CONC.
- BLACKTOP

RISER MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

BENTONITE SEAL

- PELLETS
- SLURRY
- NONE

SCREEN MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

CAST IRON MANHOLE

FT. " DIAM.

- CONC.
- BLACKTOP

4 1/4 INCH DIAM. DRILLED HOLE

WELL RISER PIPE 2 INCH DIAM.

BACKFILL

GROUT

OTHER _____

1 FT.*

3 FT.*

5 FT.*

WELL SCREEN

4 1/4 INCH DIAM.

2 SLOT

GRAVEL PACK

SAND PACK

FORMATION COLLAPSE

20 FT.*

FT.*

PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/25/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: 20'

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT: _____

DEVELOPMENT DATE: _____

DEVELOPMENT RATE G P M: _____

PUMP DURATION (MINUTES) _____

METHOD:

PUMP

BAILER

OTHER _____

DEPTH TO WATER _____

NOTES:

NOTE: MEASURING POINT IS GROUND SURFACE UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

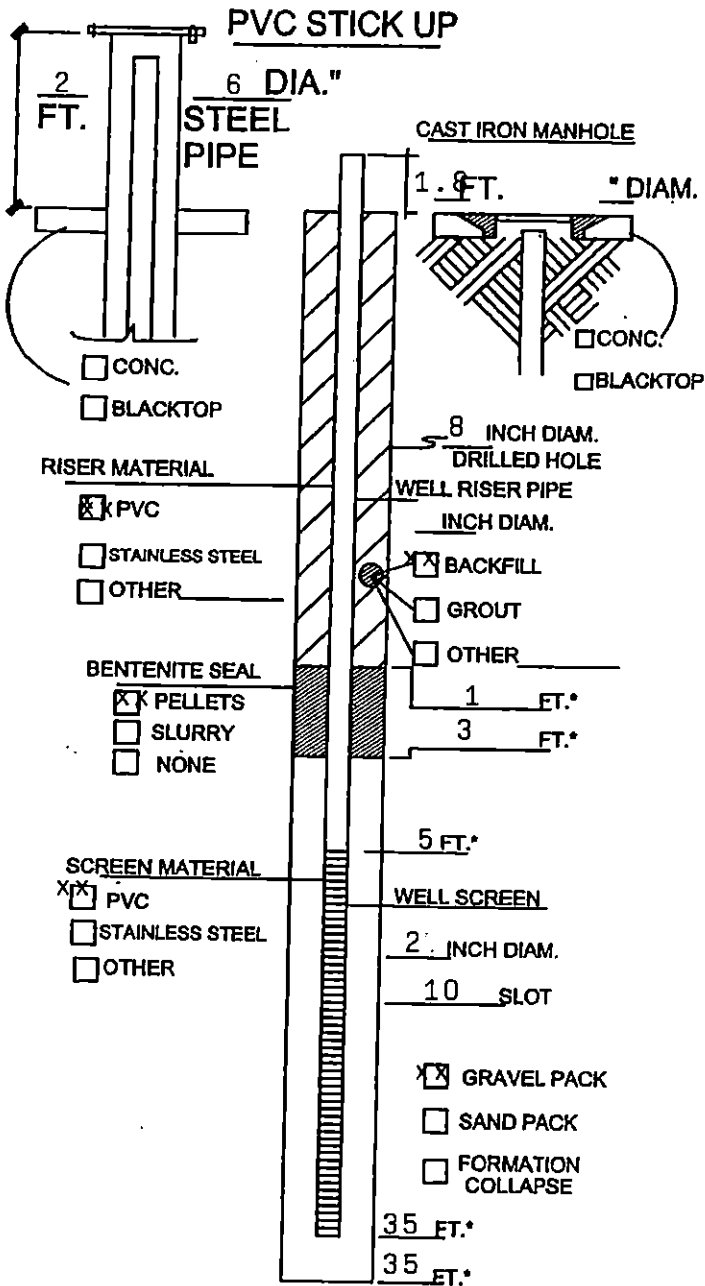
PREPARED BY: M. Z.

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. MW-2



PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/19/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: _____

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT:

DEVELOPMENT DATE: _____

DEVELOPMENT RATE G P M: _____

PUMP DURATION (MINUTES) _____

METHOD:

PUMP

BAILER

OTHER

DEPTH TO WATER _____

NOTES:

NOTE: MEASURING POINT IS GROUND SURFACE UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

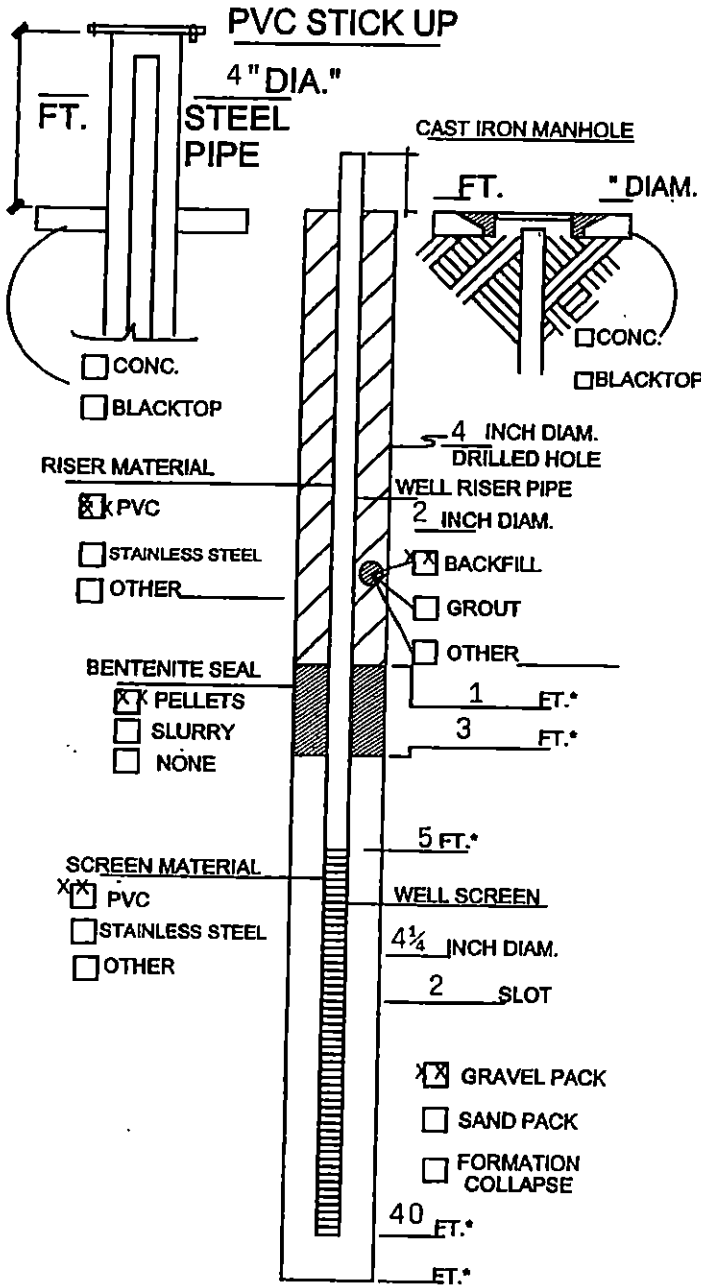
PREPARED BY: STEVE

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. 4



PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/25/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: 40'

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT:

DEVELOPMENT DATE:

DEVELOPMENT RATE G P M:

PUMP DURATION (MINUTES)

METHOD:

PUMP

BAILER

OTHER

DEPTH TO WATER _____

NOTES:

B-41

NOTE: MEASURING POINT IS GROUND SURFACE UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

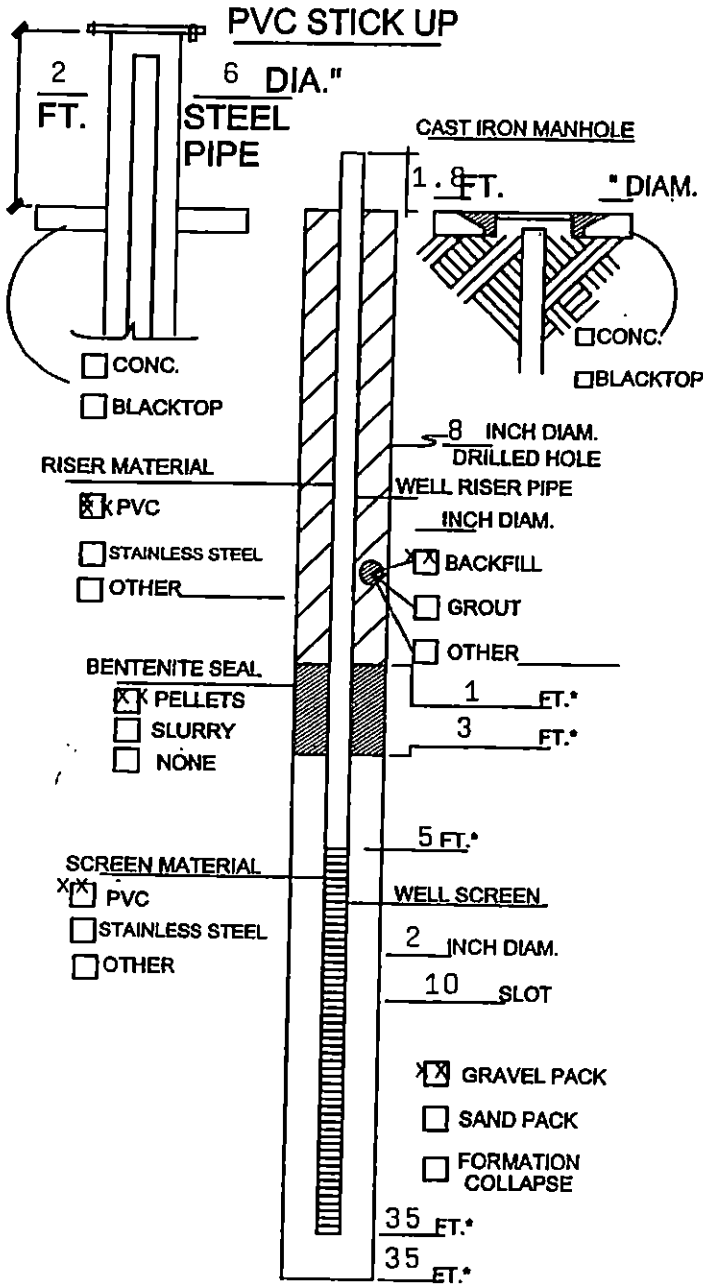
PREPARED BY: M.Z.

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. MW-3



PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/19/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: _____

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT: _____

DEVELOPMENT DATE: _____

DEVELOPMENT RATE G P M: _____

PUMP DURATION (MINUTES) _____

METHOD: _____

PUMP

BAILER

OTHER

DEPTH TO WATER _____

NOTES: _____

B-37

NOTE: MEASURING POINT IS GROUND SURFACE
UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

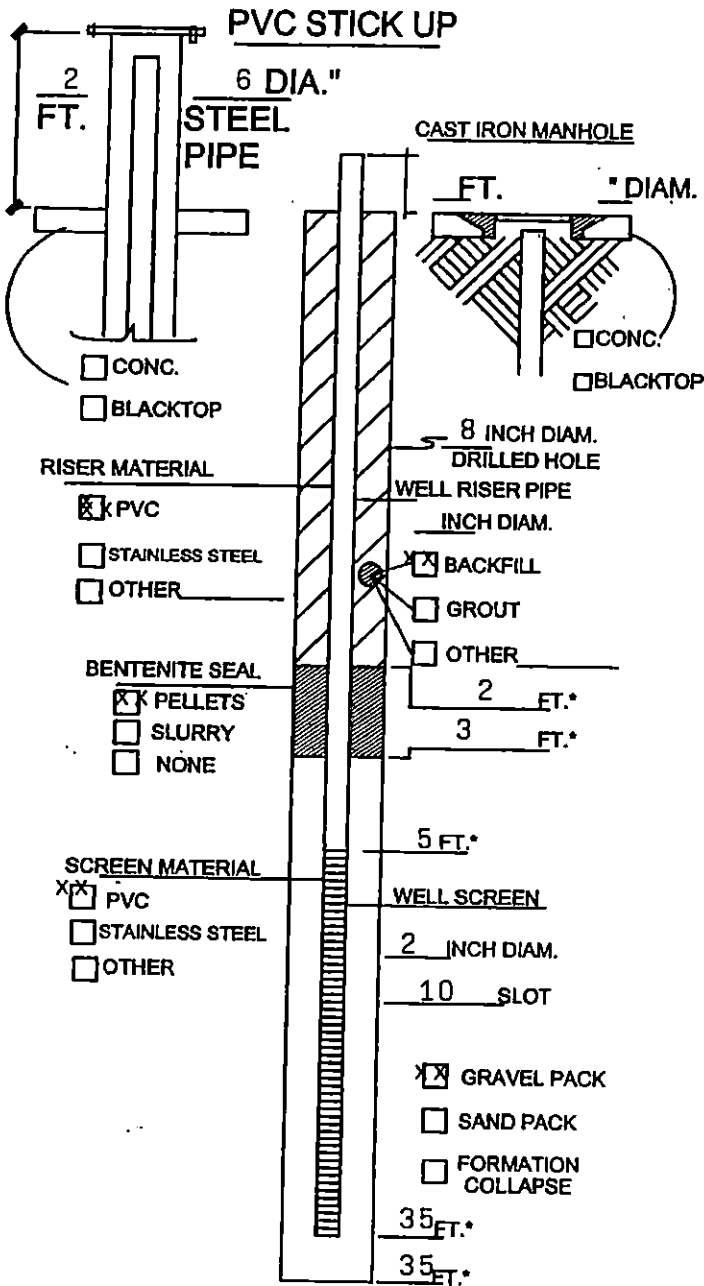
PREPARED BY: S. MITCHELL

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. MW-5



RISER MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

BENTONITE SEAL

- PELLETS
- SLURRY
- NONE

SCREEN MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/18/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: _____

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT:

DEVELOPMENT DATE: _____

DEVELOPMENT RATE G P M: _____

PUMP DURATION (MINUTES) _____

METHOD:

PUMP

BAILER

OTHER _____

DEPTH TO WATER _____

NOTES:

NOTE: MEASURING POINT IS GROUND SURFACE UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

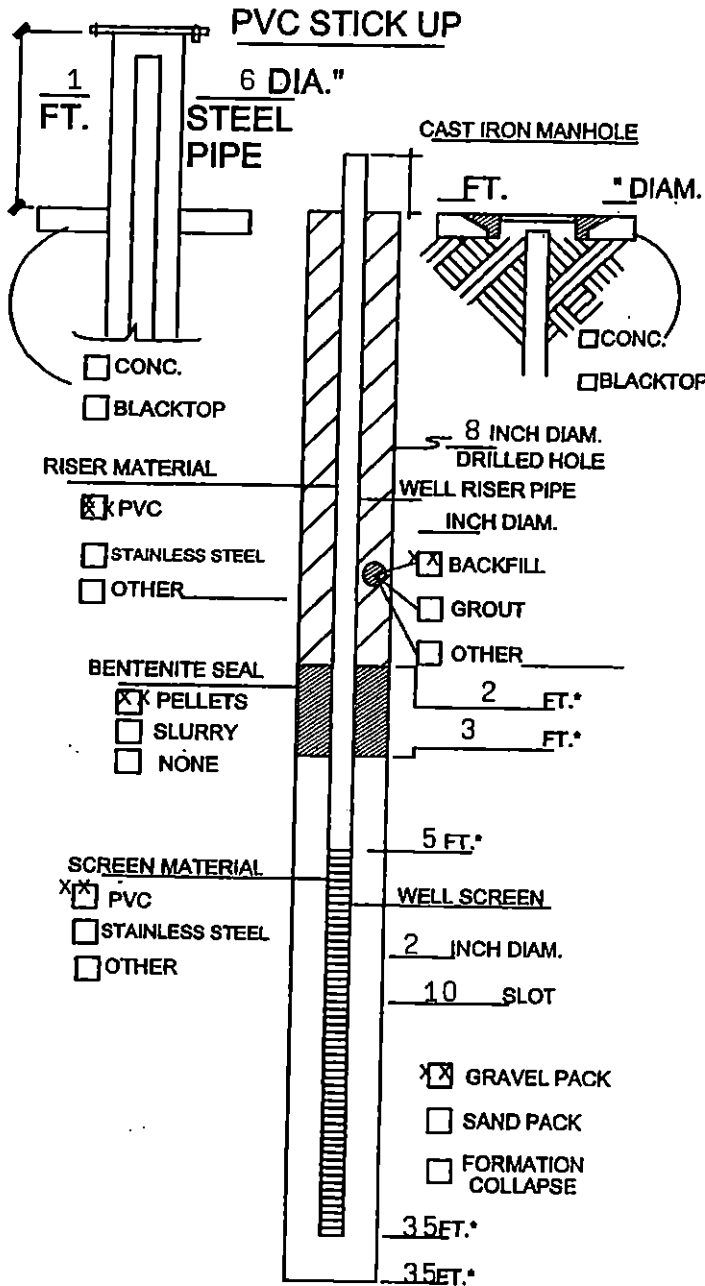
PREPARED BY: S. MITCHELL

SOIL MECHANICS

STAND PIPE

OBSERVATION WELL LOG

JOB NO. 03-786
WELL NO. MW-6



RISER MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

BENTONITE SEAL

- PELLETS
- SLURRY
- NONE

SCREEN MATERIAL

- PVC
- STAINLESS STEEL
- OTHER _____

PROJECT NAME: _____

LOCATION: HAUPPAUGE

INSTALLATION DATE: 11/18/03

WELL HEAD ELEVATION _____

DEPTH TO WATER: _____

DEPTH TO WELL BOTTOM: _____

LENGTH OF WATER COLUMN: _____

CALCULATED VOL. OF WATER IN WELL: _____

DEVELOPMENT: _____

DEVELOPMENT DATE: _____

DEVELOPMENT RATE G P M: _____

PUMP DURATION (MINUTES) _____

METHOD:

PUMP

BAILER

OTHER _____

DEPTH TO WATER _____

NOTES:

NOTE: MEASURING POINT IS GROUND SURFACE UNLESS OTHERWISE NOTED.

* DEPTH BELOW GROUND SURFACE

PREPARED BY: S. MITCHELL



1 of 25 pages

December 8, 2003

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

Re: Hauppauge, 03-786

Dear Mr. Cardinale:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on November 26, 2003. Long Island Analytical Laboratories analyzed the samples on December 5, 2003 for the following:

CLIENT ID	ANALYSIS
B34/S5	TAGM Protocol
B35/S5	TAGM Protocol
B36/S2	TAGM Protocol
B41/S6	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.



1 of 43 pages

December 4, 2003

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

Re: Hauppauge, 03-786

Dear Mr. Cardinale:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on November 21, 2003. Long Island Analytical Laboratories analyzed the samples on December 3, 2003 for the following:

CLIENT ID	ANALYSIS
B-37/S-4	TAGM Protocol
B-39/S-5	TAGM Protocol
B-42/S-7	TAGM Protocol
B-43/S-18	TAGM Protocol
B-45/S-4	TAGM Protocol
B-40/S-4	TAGM Protocol
B-44/S-7	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.

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B34/S5)
Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM VOLATILES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B34/S5)
Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<160
ACENAPHTHYLENE	208-96-8	40 ug/kg	<160
ANILINE	65-53-3	40 ug/kg	<160
ANTHRACENE	120-12-7	40 ug/kg	<160
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<160
BENZO-a-PYRENE	50-32-8	40 ug/kg	<160
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	160
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<160
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<160
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500
BUTYLBENZYLPHthalate	85-68-7	40 ug/kg	<160
CHRYSENE	218-01-9	40 ug/kg	<160
4-CHLOROANILINE	106-47-8	40 ug/kg	<160
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<160
2-CHLOROPHENOL	95-57-8	40 ug/kg	<160
DIBENZOFURAN	132-64-9	40 ug/kg	<160
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<160
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<160
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<160
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<160
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<160
DIETHYLPHthalate	84-66-2	40 ug/kg	<160
DIMETHYLPHthalate	131-11-3	40 ug/kg	<160

MDL = Minimum Detection Limit.

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B34/S5)
Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<160
FLUORANTHENE	206-44-0	40 ug/kg	187
FLUORENE	86-73-7	40 ug/kg	<160
HEXACHLORO BENZENE	118-74-1	40 ug/kg	<160
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<160
ISOPHORONE	78-59-1	40 ug/kg	<160
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<160
2-METHYLPHENOL	95-48-7	40 ug/kg	<160
4-METHYLPHENOL	106-44-5	40 ug/kg	<160
NAPHTHALENE	91-20-3	40 ug/kg	<160
NITROBENZENE	98-95-3	40 ug/kg	<160
2-NITROANILINE	88-74-4	40 ug/kg	<160
2-NITROPHENOL	88-75-5	40 ug/kg	<160
4-NITROPHENOL	100-02-7	40 ug/kg	<160
3-NITROANILINE	99-09-2	40 ug/kg	<160
PENTACHLORPHENOL	87-86-5	40 ug/kg	<160
PHENANTHRENE	85-01-8	40 ug/kg	<160
PHENOL	108-95-1	40 ug/kg	<160
PYRENE	129-00-0	40 ug/kg	181
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<160

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/2/03	Matrix: Soil
Date analyzed: 12/2/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	34
4,4'- DDD	72-54-8	5 ug/kg	<5
4,4'-DDE	72-55-9	5 ug/kg	<5
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B34/S5)
Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/26/03	Laboratory ID: 1027949
Date extracted: 12/4/03	Matrix: Soil
Date analyzed: 12/4/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	5,952
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	18.9
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	2,087
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^o	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.08
CHROMIUM, Cr	1.65 mg/kg	6.42
COPPER, Cu	1.65 mg/kg	10.1
IRON, Fe	1.65 mg/kg	6,964
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	424
MAGNESIUM, Mg	1.65 mg/kg	992
MANGANESE, Mn	1.65 mg/kg	122
SODIUM, Na	1.65 mg/kg	72.2
NICKEL, Ni	1.65 mg/kg	4.19
LEAD, Pb	1.65 mg/kg	50.0
ANTIMONY, Sb	1.65 mg/kg	1.96
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	12.5
ZINC, Zn	1.65 mg/kg	38.6

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^oMethod: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM VOLATILES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<80
ACENAPHTHYLENE	208-96-8	40 ug/kg	<80
ANILINE	65-53-3	40 ug/kg	<80
ANTHRACENE	120-12-7	40 ug/kg	<80
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	207
BENZO-a-PYRENE	50-32-8	40 ug/kg	182
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	234
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	129
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	99
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<80
CHRYSENE	218-01-9	40 ug/kg	217
4-CHLOROANILINE	106-47-8	40 ug/kg	<80
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<80
2-CHLOROPHENOL	95-57-8	40 ug/kg	<80
DIBENZOFURAN	132-64-9	40 ug/kg	<80
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<80
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<80
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<80
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<80
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<80
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<80
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<80

MDL = Minimum Detection Limit.



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<80
FLUORANTHENE	206-44-0	40 ug/kg	382
FLUORENE	86-73-7	40 ug/kg	<80
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<80
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	112
ISOPHORONE	78-59-1	40 ug/kg	<80
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<80
2-METHYLPHENOL	95-48-7	40 ug/kg	<80
4-METHYLPHENOL	106-44-5	40 ug/kg	<80
NAPHTHALENE	91-20-3	40 ug/kg	<80
NITROBENZENE	98-95-3	40 ug/kg	<80
2-NITROANILINE	88-74-4	40 ug/kg	<80
2-NITROPHENOL	88-75-5	40 ug/kg	<80
4-NITROPHENOL	100-02-7	40 ug/kg	<80
3-NITROANILINE	99-09-2	40 ug/kg	<80
PENTACHLORPHENOL	87-86-5	40 ug/kg	<80
PHENANTHRENE	85-01-8	40 ug/kg	198
PHENOL	108-95-1	40 ug/kg	<80
PYRENE	129-00-0	40 ug/kg	363
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<80

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/2/03	Matrix: Soil
Date analyzed: 12/2/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	143
4,4'- DDD	72-54-8	5 ug/kg	108
4,4'-DDE	72-55-9	5 ug/kg	116
4,4'-DDT	50-29-3	5 ug/kg	22
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.



Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B35/S5)
Date received: 11/26/03	Laboratory ID: 1027950
Date extracted: 12/4/03	Matrix: Soil
Date analyzed: 12/4/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	4,696
ARSENIC, As	1.65 mg/kg	1.67
BARIUM, Ba	3.33 mg/kg	29.1
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	5,025
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^e	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.27
CHROMIUM, Cr	1.65 mg/kg	8.66
COPPER, Cu	1.65 mg/kg	79.8
IRON, Fe	1.65 mg/kg	6,226
MERCURY, Hg	0.02 mg/kg	0.089
POTASSIUM, K	1.65 mg/kg	462
MAGNESIUM, Mg	1.65 mg/kg	1,934
MANGANESE, Mn	1.65 mg/kg	98.3
SODIUM, Na	1.65 mg/kg	67.3
NICKEL, Ni	1.65 mg/kg	5.49
LEAD, Pb	1.65 mg/kg	45.1
ANTIMONY, Sb	1.65 mg/kg	2.26
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	11.9
ZINC, Zn	1.65 mg/kg	44.7

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^eMethod: SM18(4500-CN-D)



Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B36/S2)
Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	88
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	12
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	<5
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	<5
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<320
ACENAPHTHYLENE	208-96-8	40 ug/kg	<320
ANILINE	65-53-3	40 ug/kg	<320
ANTHRACENE	120-12-7	40 ug/kg	343
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	773
BENZO-a-PYRENE	50-32-8	40 ug/kg	570
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	718
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	396
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<320
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	672
BUTYLBENZYLPHthalATE	85-68-7	40 ug/kg	<320
CHRYSENE	218-01-9	40 ug/kg	723
4-CHLOROANILINE	106-47-8	40 ug/kg	<320
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<320
2-CHLOROPHENOL	95-57-8	40 ug/kg	<320
DIBENZOFURAN	132-64-9	40 ug/kg	<320
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<320
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<320
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<320
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<320
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<320
DIETHYLPHthalATE	84-66-2	40 ug/kg	<320
DIMETHYLPHthalATE	131-11-3	40 ug/kg	<320

MDL = Minimum Detection Limit.

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B36/S2)
Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
DI-n-OCTYLPHthalate	117-84-0	40 ug/kg	<320
FLUORANTHENE	206-44-0	40 ug/kg	1578
FLUORENE	86-73-7	40 ug/kg	<320
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<320
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	385
ISOPHORONE	78-59-1	40 ug/kg	<320
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<320
2-METHYLPHENOL	95-48-7	40 ug/kg	<320
4-METHYLPHENOL	106-44-5	40 ug/kg	<320
NAPHTHALENE	91-20-3	40 ug/kg	<320
NITROBENZENE	98-95-3	40 ug/kg	<320
2-NITROANILINE	88-74-4	40 ug/kg	<320
2-NITROPHENOL	88-75-5	40 ug/kg	<320
4-NITROPHENOL	100-02-7	40 ug/kg	<320
3-NITROANILINE	99-09-2	40 ug/kg	<320
PENTACHLORPHENOL	87-86-5	40 ug/kg	<320
PHENANTHRENE	85-01-8	40 ug/kg	1429
PHENOL	108-95-1	40 ug/kg	<320
PYRENE	129-00-0	40 ug/kg	1567
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<320

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B36/S2)
Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/2/03	Matrix: Soil
Date analyzed: 12/2/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	52
4,4'- DDD	72-54-8	5 ug/kg	8
4,4'-DDE	72-55-9	5 ug/kg	7
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.



Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B36/S2)
Date received: 11/26/03	Laboratory ID: 1027951
Date extracted: 12/4/03	Matrix: Soil
Date analyzed: 12/4/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	3,685
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	31.4
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	17,956
CADMIUM, Cd	1.00 mg/kg	1.01
CYANIDE, Cn ²	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.23
CHROMIUM, Cr	1.65 mg/kg	9.44
COPPER, Cu	1.65 mg/kg	25.1
IRON, Fe	1.65 mg/kg	6,554
MERCURY, Hg	0.02 mg/kg	0.054
POTASSIUM, K	1.65 mg/kg	1,001
MAGNESIUM, Mg	1.65 mg/kg	4,552
MANGANESE, Mn	1.65 mg/kg	97.5
SODIUM, Na	1.65 mg/kg	251
NICKEL, Ni	1.65 mg/kg	5.78
LEAD, Pb	1.65 mg/kg	30.5
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	10.6
ZINC, Zn	1.65 mg/kg	57.9

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

²Method: SM18(4500-CN-D)

Michael Veraldi

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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-37/S-4)
Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	151
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	<10
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	<5
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	<5
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-37/S-4)
Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	1,420
ACENAPHTHYLENE	208-96-8	40 ug/kg	707
ANILINE	65-53-3	40 ug/kg	<120
ANTHRACENE	120-12-7	40 ug/kg	4,558
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	5,918
BENZO-a-PYRENE	50-32-8	40 ug/kg	4,280
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	3,943
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	2,181
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	2,891
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	3,831
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<120
CHRYSENE	218-01-9	40 ug/kg	4,868
4-CHLOROANILINE	106-47-8	40 ug/kg	<120
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<120
2-CHLOROPHENOL	95-57-8	40 ug/kg	<120
DIBENZOFURAN	132-64-9	40 ug/kg	1,689
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	573
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<120
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<120
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<120
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<120
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<120
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<120

MDL = Minimum Detection Limit.

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



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Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
DI-n-OCTYLPHthalate	117-84-0	40 ug/kg	<120
FLUORANTHENE	206-44-0	40 ug/kg	14,386
FLUORENE	86-73-7	40 ug/kg	2,922
HEXACHLORO BENZENE	118-74-1	40 ug/kg	<120
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	2,389
ISOPHORONE	78-59-1	40 ug/kg	<120
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	1,242
2-METHYLPHENOL	95-48-7	40 ug/kg	<120
4-METHYLPHENOL	106-44-5	40 ug/kg	298
NAPHTHALENE	91-20-3	40 ug/kg	1,785
NITROBENZENE	98-95-3	40 ug/kg	<120
2-NITROANILINE	88-74-4	40 ug/kg	<120
2-NITROPHENOL	88-75-5	40 ug/kg	<120
4-NITROPHENOL	100-02-7	40 ug/kg	<120
3-NITROANILINE	99-09-2	40 ug/kg	<120
PENTACHLORPHENOL	87-86-5	40 ug/kg	<120
PHENANTHRENE	85-01-8	40 ug/kg	16,539
PHENOL	108-95-1	40 ug/kg	<120
PYRENE	129-00-0	40 ug/kg	13,555
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<120

MDL = Minimum Detection Limit.

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Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<7
α - BHC	319-84-6	5 ug/kg	<7
β - BHC	319-85-7	5 ug/kg	<7
δ - BHC	319-86-8	5 ug/kg	<7
Chlordane	12789-03-6	15 ug/kg	236
4,4'- DDD	72-54-8	5 ug/kg	30
4,4'-DDE	72-55-9	5 ug/kg	21
4,4'-DDT	50-29-3	5 ug/kg	<7
Dieldrin	60-57-1	5 ug/kg	<7
Endosulfan I	959-98-8	5 ug/kg	<7
Endosulfan II	33212-65-9	5 ug/kg	<7
Endosulfan sulfate	1031-07-8	5 ug/kg	<7
Endrin	72-20-8	5 ug/kg	<7
Endrin ketone	53494-70-5	5 ug/kg	<7
γ - BHC (Lindane)	58-89-9	5 ug/kg	<7
γ - Chlordane	5103-74-2	5 ug/kg	<7
Heptachlor	76-44-8	5 ug/kg	<7
Heptachlor epoxide	1024-57-3	5 ug/kg	<7
4,4'-Methoxychlor	72-43-5	5 ug/kg	<7
Mitotane	53-17-0	5 ug/kg	<7
Parathion	56-38-2	5 ug/kg	<7
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

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

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Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.



Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-37/S-4)
Date received: 11/21/03	Laboratory ID: 1027500
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	5,403
ARSENIC, As	1.65 mg/kg	2.75
BARIUM, Ba	3.33 mg/kg	234
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	29,008
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^o	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	4.30
CHROMIUM, Cr	1.65 mg/kg	13.4
COPPER, Cu	1.65 mg/kg	25.2
IRON, Fe	1.65 mg/kg	6,793
MERCURY, Hg	0.02 mg/kg	0.476
POTASSIUM, K	1.65 mg/kg	7,336
MAGNESIUM, Mg	1.65 mg/kg	1,625
MANGANESE, Mn	1.65 mg/kg	103
SODIUM, Na	1.65 mg/kg	2,452
NICKEL, Ni	1.65 mg/kg	18.9
LEAD, Pb	1.65 mg/kg	64.8
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	26.3
ZINC, Zn	1.65 mg/kg	102

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^oMethod: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-39/S-5)
Date received: 11/21/03	Laboratory ID: 1027501
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM VOLATILES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/21/03	Laboratory ID: 1027501
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
ANILINE	65-53-3	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40

MDL = Minimum Detection Limit.



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Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<40
FLUORANTHENE	206-44-0	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
3-NITROANILINE	99-09-2	40 ug/kg	<40
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-39/S-5)
Date received: 11/21/03	Laboratory ID: 1027501
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	11
4,4'-DDE	72-55-9	5 ug/kg	11
4,4'-DDT	50-29-3	5 ug/kg	7
Dieldrin	60-57-1	5 ug/kg	39
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	7
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-39/S-5)
Date received: 11/21/03	Laboratory ID: 1027501
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-39/S-5)
Date received: 11/21/03	Laboratory ID: 1027501
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	4,628
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	33.8
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	10,924
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^o	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.18
CHROMIUM, Cr	1.65 mg/kg	5.43
COPPER, Cu	1.65 mg/kg	60.0
IRON, Fe	1.65 mg/kg	5,805
MERCURY, Hg	0.02 mg/kg	0.064
POTASSIUM, K	1.65 mg/kg	905
MAGNESIUM, Mg	1.65 mg/kg	1,179
MANGANESE, Mn	1.65 mg/kg	56.8
SODIUM, Na	1.65 mg/kg	83.5
NICKEL, Ni	1.65 mg/kg	4.25
LEAD, Pb	1.65 mg/kg	16.5
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	8.07
ZINC, Zn	1.65 mg/kg	53.3

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^oMethod: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-42/S-7)
Date received: 11/21/03	Laboratory ID: 1027502
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	<50
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	<10
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	13
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	25
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Date received: 11/21/03	Laboratory ID: 1027502
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<80
ACENAPHTHYLENE	208-96-8	40 ug/kg	<80
ANILINE	65-53-3	40 ug/kg	<80
ANTHRACENE	120-12-7	40 ug/kg	<80
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<80
BENZO-a-PYRENE	50-32-8	40 ug/kg	<80
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<80
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<80
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<80
Bis(2-ETHYLEXYL)PHTHALATE	117-81-7	500 ug/kg	10,991
BUTYLBENZYLPHthalATE	85-68-7	40 ug/kg	<80
CHRYSENE	218-01-9	40 ug/kg	<80
4-CHLOROANILINE	106-47-8	40 ug/kg	<80
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<80
2-CHLOROPHENOL	95-57-8	40 ug/kg	<80
DIBENZOFURAN	132-64-9	40 ug/kg	<80
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<80
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<80
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<80
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<80
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<80
DIETHYLPHthalATE	84-66-2	40 ug/kg	188
DIMETHYLPHthalATE	131-11-3	40 ug/kg	<80

MDL = Minimum Detection Limit.

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



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Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<80
FLUORANTHENE	206-44-0	40 ug/kg	<80
FLUORENE	86-73-7	40 ug/kg	119
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<80
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<80
ISOPHORONE	78-59-1	40 ug/kg	<80
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	484
2-METHYLPHENOL	95-48-7	40 ug/kg	<80
4-METHYLPHENOL	106-44-5	40 ug/kg	<80
NAPHTHALENE	91-20-3	40 ug/kg	840
NITROBENZENE	98-95-3	40 ug/kg	<80
2-NITROANILINE	88-74-4	40 ug/kg	<80
2-NITROPHENOL	88-75-5	40 ug/kg	<80
4-NITROPHENOL	100-02-7	40 ug/kg	<80
3-NITROANILINE	99-09-2	40 ug/kg	<80
PENTACHLORPHENOL	87-86-5	40 ug/kg	<80
PHENANTHRENE	85-01-8	40 ug/kg	273
PHENOL	108-95-1	40 ug/kg	<80
PYRENE	129-00-0	40 ug/kg	<80
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<80

MDL = Minimum Detection Limit.

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

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-42/S-7)
Date received: 11/21/03	Laboratory ID: 1027502
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	<5
4,4'-DDE	72-55-9	5 ug/kg	<5
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	499
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-42/S-7)
Date received: 11/21/03	Laboratory ID: 1027502
Date extracted: 11/26/3	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-42/S-7)
Date received: 11/21/03	Laboratory ID: 1027502
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	2,435
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	11.3
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	726
CADMIUM, Cd	1.00 mg/kg	1.16
CYANIDE, Cn ²	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	5.83
CHROMIUM, Cr	1.65 mg/kg	12.4
COPPER, Cu	1.65 mg/kg	39.6
IRON, Fe	1.65 mg/kg	5,422
MERCURY, Hg	0.02 mg/kg	0.067
POTASSIUM, K	1.65 mg/kg	130
MAGNESIUM, Mg	1.65 mg/kg	300
MANGANESE, Mn	1.65 mg/kg	36.9
SODIUM, Na	1.65 mg/kg	53.0
NICKEL, Ni	1.65 mg/kg	41.5
LEAD, Pb	1.65 mg/kg	30.5
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	3.70
ZINC, Zn	1.65 mg/kg	69.7

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

*Method: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

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

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-43/S-18)
Date received: 11/21/03	Laboratory ID: 1027503
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM VOLATILES

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

MDL = Minimum Detection Limit.

Michael Veraldi

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Date received: 11/21/03	Laboratory ID: 1027503
Date extracted: 12/1/03	Matrix: Soil
Date analyzed: 12/1/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
ANILINE	65-53-3	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	819
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40

MDL = Minimum Detection Limit.



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Date analyzed: 12/1/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<40
FLUORANTHENE	206-44-0	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
3-NITROANILINE	99-09-2	40 ug/kg	<40
PENTACHLOROPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40

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NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	<5
4,4'-DDE	72-55-9	5 ug/kg	<5
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

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Date extracted: 12/1/03	Matrix: Soil
Date analyzed: 12/1/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

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Date received: 11/21/03	Laboratory ID: 1027503
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	1,388
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	6.75
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	167
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^p	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	<1.65
CHROMIUM, Cr	1.65 mg/kg	2.77
COPPER, Cu	1.65 mg/kg	2.19
IRON, Fe	1.65 mg/kg	2,115
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	163
MAGNESIUM, Mg	1.65 mg/kg	294
MANGANESE, Mn	1.65 mg/kg	51.0
SODIUM, Na	1.65 mg/kg	30.0
NICKEL, Ni	1.65 mg/kg	2.12
LEAD, Pb	1.65 mg/kg	1.67
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	2.89
ZINC, Zn	1.65 mg/kg	24.3

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^aMethod: SM18(4500-CN-D)

Michael Veraldi

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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-45/S-4)
Date received: 11/21/03	Laboratory ID: 1027504
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	<50
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	<10
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	16
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	30
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	10
o-XYLENE	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Michael Veraldi

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Date received: 11/21/03	Laboratory ID: 1027504
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
ANILINE	65-53-3	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	837
BUTYLBENZYLPHthalate	85-68-7	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
DIETHYLPHthalate	84-66-2	40 ug/kg	<40
DIMETHYLPHthalate	131-11-3	40 ug/kg	<40

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Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<40
FLUORANTHENE	206-44-0	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
HEXACHLORO BENZENE	118-74-1	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	43
NITROBENZENE	98-95-3	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
3-NITROANILINE	99-09-2	40 ug/kg	<40
PENTACHLOROPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi

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Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	<5
4,4'-DDE	72-55-9	5 ug/kg	<5
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	777
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

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Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



**LONG
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ANALYTICAL
LABORATORIES INC.**

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, 03-786 (B-45/S-4)
Date received: 11/21/03	Laboratory ID: 1027504
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	2,079
ARSENIC, As	1.65 mg/kg	<1.65
BARIUM, Ba	3.33 mg/kg	12.9
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	1,075
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ²	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	2.51
CHROMIUM, Cr	1.65 mg/kg	7.99
COPPER, Cu	1.65 mg/kg	8.83
IRON, Fe	1.65 mg/kg	11,615
MERCURY, Hg	0.02 mg/kg	0.131
POTASSIUM, K	1.65 mg/kg	127
MAGNESIUM, Mg	1.65 mg/kg	513
MANGANESE, Mn	1.65 mg/kg	91.9
SODIUM, Na	1.65 mg/kg	62.7
NICKEL, Ni	1.65 mg/kg	3.85
LEAD, Pb	1.65 mg/kg	16.3
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	3.88
ZINC, Zn	1.65 mg/kg	70.9

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010
²Method: SM18(4500-CN-D)

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Date received: 11/21/03	Laboratory ID: 1027505
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM VOLATILES

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

MDL = Minimum Detection Limit.

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Date received: 11/21/03	Laboratory ID: 1027505
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
ANILINE	65-53-3	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTHALATE	117-81-7	500 ug/kg	<500
BUTYLBENZYLPHthalATE	85-68-7	40 ug/kg	<40
CHRYSENE	218-01-9	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
DIETHYLPHthalATE	84-66-2	40 ug/kg	<40
DIMETHYLPHthalATE	131-11-3	40 ug/kg	<40

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NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
DI-n-OCTYLPHthalate	117-84-0	40 ug/kg	<40
FLUORANTHENE	206-44-0	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	<40
NAPHTHALENE	91-20-3	40 ug/kg	<40
NITROBENZENE	98-95-3	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
3-NITROANILINE	99-09-2	40 ug/kg	<40
PENTACHLOROPHENOL	87-86-5	40 ug/kg	<40
PHENANTHRENE	85-01-8	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	<40
PYRENE	129-00-0	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40

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Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	<5
4,4'-DDE	72-55-9	5 ug/kg	<5
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

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Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-40/S-4)
Date received: 11/21/03	Laboratory ID: 1027505
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	3,658
ARSENIC, As	1.65 mg/kg	<1.65
BARIIUM, Ba	3.33 mg/kg	8.83
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	445
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ²	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	1.68
CHROMIUM, Cr	1.65 mg/kg	3.64
COPPER, Cu	1.65 mg/kg	3.10
IRON, Fe	1.65 mg/kg	3,634
MERCURY, Hg	0.02 mg/kg	<0.020
POTASSIUM, K	1.65 mg/kg	152
MAGNESIUM, Mg	1.65 mg/kg	491
MANGANESE, Mn	1.65 mg/kg	37.2
SODIUM, Na	1.65 mg/kg	28.1
NICKEL, Ni	1.65 mg/kg	2.13
LEAD, Pb	1.65 mg/kg	6.12
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	5.68
ZINC, Zn	1.65 mg/kg	9.97

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

²Method: SM18(4500-CN-D)

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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B41/S6)
Date received: 11/26/03	Laboratory ID: 1027952
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	176
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	28
CARBON DISULFIDE	75-15-0	5 ug/kg	15
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLOROBENZENE	108-90-7	5 ug/kg	<5
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLOROBENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLOROBENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLOROBENZENE	106-46-7	5 ug/kg	<5
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	<5
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	<5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	<5
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLOROBENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLOROBENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	<5
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	<10
o-XYLENE	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

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Date received: 11/26/03	Laboratory ID: 1027952
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	1510
ACENAPHTHYLENE	208-96-8	40 ug/kg	<320
ANILINE	65-53-3	40 ug/kg	<320
ANTHRACENE	120-12-7	40 ug/kg	2053
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	6917
BENZO-a-PYRENE	50-32-8	40 ug/kg	5484
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	6712
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	3232
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	2791
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	6361
BUTYLBENZYLPHthalate	85-68-7	40 ug/kg	597
CHRYSENE	218-01-9	40 ug/kg	6210
4-CHLOROANILINE	106-47-8	40 ug/kg	<320
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<320
2-CHLOROPHENOL	95-57-8	40 ug/kg	<320
DIBENZOFURAN	132-64-9	40 ug/kg	1175
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	867
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<320
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<320
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<320
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<320
DIETHYLPHthalate	84-66-2	40 ug/kg	<320
DIMETHYLPHthalate	131-11-3	40 ug/kg	<320

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Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500
Di-n-OCTYLPHthalate	117-84-0	40 ug/kg	<320
FLUORANTHENE	206-44-0	40 ug/kg	12,030
FLUORENE	86-73-7	40 ug/kg	2073
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<320
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	3448
ISOPHORONE	78-59-1	40 ug/kg	<320
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	331
2-METHYLPHENOL	95-48-7	40 ug/kg	<320
4-METHYLPHENOL	106-44-5	40 ug/kg	<320
NAPHTHALENE	91-20-3	40 ug/kg	651
NITROBENZENE	98-95-3	40 ug/kg	<320
2-NITROANILINE	88-74-4	40 ug/kg	<320
2-NITROPHENOL	88-75-5	40 ug/kg	<320
4-NITROPHENOL	100-02-7	40 ug/kg	<320
3-NITROANILINE	99-09-2	40 ug/kg	<320
PENTACHLOROPHENOL	87-86-5	40 ug/kg	<320
PHENANTHRENE	85-01-8	40 ug/kg	10,120
PHENOL	108-95-1	40 ug/kg	<320
PYRENE	129-00-0	40 ug/kg	11,510
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<320

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Date received: 11/26/03	Laboratory ID: 1027952
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	213
4,4'- DDD	72-54-8	5 ug/kg	15
4,4'-DDE	72-55-9	5 ug/kg	10
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	<5
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B41/S6)
Date received: 11/26/03	Laboratory ID: 1027952
Date extracted: 12/3/03	Matrix: Soil
Date analyzed: 12/3/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.



Michael Veraldi-Laboratory Director

Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B41/S6)
Date received: 11/26/03	Laboratory ID: 1027952
Date extracted: 12/4/03	Matrix: Soil
Date analyzed: 12/4/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	3,051
ARSENIC, As	1.65 mg/kg	2.37
BARIUM, Ba	3.33 mg/kg	43.9
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	15,383
CADMIUM, Cd	1.00 mg/kg	1.35
CYANIDE, Cn ^e	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.72
CHROMIUM, Cr	1.65 mg/kg	19.1
COPPER, Cu	1.65 mg/kg	55.1
IRON, Fe	1.65 mg/kg	9,715
MERCURY, Hg	0.02 mg/kg	0.168
POTASSIUM, K	1.65 mg/kg	531
MAGNESIUM, Mg	1.65 mg/kg	2,283
MANGANESE, Mn	1.65 mg/kg	126
SODIUM, Na	1.65 mg/kg	161
NICKEL, Ni	1.65 mg/kg	9.87
LEAD, Pb	1.65 mg/kg	64.4
ANTIMONY, Sb	1.65 mg/kg	1.95
SELENIUM, Se	1.65 mg/kg	<1.65
THALIUM, Tl	1.65 mg/kg	<1.65
VANADIUM, V	1.65 mg/kg	8.94
ZINC, Zn	1.65 mg/kg	988

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^eMethod: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 11/26/03	Matrix: Soil
Date analyzed: 11/26/03	ELAP #: 11693

NYS TAGM VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACETONE	62-64-1	50 ug/kg	166
BENZENE	71-43-2	5 ug/kg	<5
2-BUTANONE (MEK)	78-93-3	10 ug/kg	41
CARBON DISULFIDE	75-15-0	5 ug/kg	<5
CARBON TETRACHLORIDE	56-23-5	5 ug/kg	<5
CHLORO BENZENE	108-90-7	5 ug/kg	9
CHLOROETHANE	75-00-3	5 ug/kg	<5
CHLOROFORM	67-66-3	5 ug/kg	<5
DIBROMOCHLOROMETHANE	1868-53-7	5 ug/kg	<5
1,2-DICHLORO BENZENE	95-50-1	5 ug/kg	<5
1,3-DICHLORO BENZENE	541-73-1	5 ug/kg	<5
1,4-DICHLORO BENZENE	106-46-7	5 ug/kg	32
1,1-DICHLOROETHANE	75-34-3	5 ug/kg	<5
1,2-DICHLOROETHANE	107-06-2	5 ug/kg	<5
1,1-DICHLOROETHENE	75-35-4	5 ug/kg	<5
trans-1,2-DICHLOROETHENE	156-60-5	5 ug/kg	<5
1,3-DICHLOROPROPANE	142-28-9	5 ug/kg	<5
ETHYLBENZENE	100-41-4	5 ug/kg	32
1,1,2-TRICHLOROETHANE	79-00-5	5 ug/kg	<5
METHYLENE CHLORIDE	75-09-2	5 ug/kg	5
4-METHYL-2-PENTANONE	108-10-1	5 ug/kg	<5
TETRACHLOROETHENE	127-18-4	5 ug/kg	106
1,1,1-TRICHLOROETHANE	71-55-6	5 ug/kg	<5
1,1,2,2-TETRACHLOROETHANE	79-34-5	5 ug/kg	<5
1,2,3-TRICHLORO BENZENE	87-61-6	5 ug/kg	<5
1,2,4-TRICHLORO BENZENE	120-82-1	5 ug/kg	<5
TOLUENE	108-88-3	5 ug/kg	12
TRICHLOROETHENE	79-01-6	5 ug/kg	<5
VINYL CHLORIDE	75-01-4	5 ug/kg	<5
p & m-XYLENE	1330-20-7	10 ug/kg	56
o-XYLENE	1330-20-7	5 ug/kg	16

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
ACENAPHTHENE	83-32-9	40 ug/kg	<40
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40
ANILINE	65-53-3	40 ug/kg	<40
ANTHRACENE	120-12-7	40 ug/kg	<40
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	<40
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	7,326
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	557
CHRYSENE	218-01-9	40 ug/kg	<40
4-CHLOROANILINE	106-47-8	40 ug/kg	<40
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40
DIBENZOFURAN	132-64-9	40 ug/kg	<40
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40
DIETHYLPHTHALATE	84-66-2	40 ug/kg	309
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40

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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM SEMI-VOLATILES

Parameter	CAS No.	MDL	Results ug/kg
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	1,531
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	374
FLUORANTHENE	206-44-0	40 ug/kg	<40
FLUORENE	86-73-7	40 ug/kg	<40
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40
ISOPHORONE	78-59-1	40 ug/kg	<40
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	95
2-METHYLPHENOL	95-48-7	40 ug/kg	<40
4-METHYLPHENOL	106-44-5	40 ug/kg	2,550
NAPHTHALENE	91-20-3	40 ug/kg	1,146
NITROBENZENE	98-95-3	40 ug/kg	<40
2-NITROANILINE	88-74-4	40 ug/kg	<40
2-NITROPHENOL	88-75-5	40 ug/kg	<40
4-NITROPHENOL	100-02-7	40 ug/kg	<40
3-NITROANILINE	99-09-2	40 ug/kg	<40
PENTACHLOROPHENOL	87-86-5	40 ug/kg	218
PHENANTHRENE	85-01-8	40 ug/kg	<40
PHENOL	108-95-1	40 ug/kg	148
PYRENE	129-00-0	40 ug/kg	<40
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 11/25/03	Matrix: Soil
Date analyzed: 11/25/03	ELAP #: 11693

NYS TAGM PESTICIDES

COMPOUND	CAS No.	MDL	RESULTS ug/kg
Aldrin	309-00-2	5 ug/kg	<5
α - BHC	319-84-6	5 ug/kg	<5
β - BHC	319-85-7	5 ug/kg	<5
δ - BHC	319-86-8	5 ug/kg	<5
Chlordane	12789-03-6	15 ug/kg	<15
4,4'- DDD	72-54-8	5 ug/kg	13
4,4'-DDE	72-55-9	5 ug/kg	6
4,4'-DDT	50-29-3	5 ug/kg	<5
Dieldrin	60-57-1	5 ug/kg	8
Endosulfan I	959-98-8	5 ug/kg	<5
Endosulfan II	33212-65-9	5 ug/kg	<5
Endosulfan sulfate	1031-07-8	5 ug/kg	<5
Endrin	72-20-8	5 ug/kg	<5
Endrin ketone	53494-70-5	5 ug/kg	<5
γ - BHC (Lindane)	58-89-9	5 ug/kg	<5
γ - Chlordane	5103-74-2	5 ug/kg	<5
Heptachlor	76-44-8	5 ug/kg	<5
Heptachlor epoxide	1024-57-3	5 ug/kg	<5
4,4'-Methoxychlor	72-43-5	5 ug/kg	<5
Mitotane	53-17-0	5 ug/kg	<5
Parathion	56-38-2	5 ug/kg	<5
Arochlor 1016	12674-11-2	200 ug/kg	<200
Arochlor 1221	1104-28-2	200 ug/kg	<200
Arochlor 1232	11141-16-5	200 ug/kg	<200
Arochlor 1242	53469-21-9	200 ug/kg	<200
Arochlor 1248	12672-29-6	200 ug/kg	<200
Arochlor 1254	11097-69-1	200 ug/kg	<200
Arochlor 1260	11096-82-5	200 ug/kg	<200

MDL = Minimum Detection Limit.



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 12/1/03	Matrix: Soil
Date analyzed: 12/1/03	ELAP #: 11693

NYS TAGM HERBICIDES

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

MDL = Minimum Detection Limit.

Michael Veraldi

Michael Veraldi-Laboratory Director



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Client: Soil Mechanics	Client ID: Hauppauge, 03-786 (B-44/S-7)
Date received: 11/21/03	Laboratory ID: 1027506
Date extracted: 11/24, 12/3/03	Matrix: Soil
Date analyzed: 11/24, 12/3/03	ELAP #: 11693

NYS TAGM METALS

PARAMETER	MDL	RESULTS mg/kg
SILVER, Ag	1.65 mg/kg	<1.65
ALUMINUM, Al	1.65 mg/kg	10,832
ARSENIC, As	1.65 mg/kg	<1.65
BARIIUM, Ba	3.33 mg/kg	14.2
BERYLLIUM, Be	1.65 mg/kg	<1.65
CALCIUM, Ca	1.65 mg/kg	2,445
CADMIUM, Cd	1.00 mg/kg	<1.00
CYANIDE, Cn ^o	0.10 mg/kg	<0.10
COBALT, Co	1.65 mg/kg	3.61
CHROMIUM, Cr	1.65 mg/kg	10.0
COPPER, Cu	1.65 mg/kg	5.44
IRON, Fe	1.65 mg/kg	9,326
MERCURY, Hg	0.02 mg/kg	0.179
POTASSIUM, K	1.65 mg/kg	476
MAGNESIUM, Mg	1.65 mg/kg	1,418
MANGANESE, Mn	1.65 mg/kg	133
SODIUM, Na	1.65 mg/kg	69.4
NICKEL, Ni	1.65 mg/kg	5.09
LEAD, Pb	1.65 mg/kg	6.72
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	13.1
ZINC, Zn	1.65 mg/kg	290

MDL = Minimum Detection Limit.

Performed by SW-846 Method 6010

^oMethod: SM18(4500-CN-D)

Michael Veraldi

Michael Veraldi-Laboratory Director



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SOIL MECHANICS

3770 MERRICK ROAD • SEAFORD, L. I., NEW YORK 11783 • (516) 221-2333

CHAIN OF CUSTODY

LABORATORY: Long Island Analytical

0005490



#0005490*

PROJECT NAME:							PROJECT NO.	NUMBER OF CONTAINERS	ANALYSIS												ADDITIONAL REQUIREMENTS
LAUDDAUGE (EDISON AVE)							03-786		PP METALS	LEAD	THM	CYANIDE	VCA	BTX	PCB	PEST.	HERB.	A/E	B/N	OTHER	
SAMPLE ID. NUMBER	DATE	TIME	CONF.	GRAV.	MATRIX	SAMPLE LOCATION															
34/55	11-24-03	10279	49	✓	Soil	(8'-10')	1													VOC	
35/55		10279	50	✓	Soil	(8'-10')	1													SVOC	
36/52		10279	51	✓	Soil	(2'-4')	1													HERB.	
11/56	11-24-03	10279	52	✓	Soil	(10'-12')	1													PEST.	
																				PCB's	
																				METALS	
DISPATCHED BY (SIGNATURE)		DATE/TIME		AGENT OF:				RECD. BY (SIGNATURE)		DATE/TIME		AGENT:									
								T. Shwartz		11/26/03 1:05P		LIAI									
PREPARED NAME		DATE/TIME		AGENT OF:				RECD. BY (SIGN.)		DATE/TIME		AGENT:									
BY (SIG.)		DATE/TIME		RECEIVED FOR LAB BY:				DATE/TIME		REMARKS:											
M. Shencowitz		11-26-03		D. Foukianick				11/26/03 12:20		P.O. # 8931											
PREPARED NAME		DATE/TIME		SAMPLER NAME (PRINT)																	
				David M. Shencowitz																	

