Remedial Action Status Report

Spill Name:
NYSDEC Region 6 – Fort La Presentation
Route 68, Ogdensburg, New York

Spill Number: 01-03685
PIN: 03276

NYSDEC DER Contact:
Lincoln Fancher
NYSDEC Region 6
317 Washington Street
Watertown, N.Y. 13601-3787

Report Date:

January 24, 2008

Submitted By:
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Beginning on May 4, 2007 continuing through October 16, 2007, Nature's Way Environmental Consultants and Contractors, Inc. (Nature's Way) excavated and disposed of petroleum contaminated soil at the above referenced site for the NYSDEC Region 6 Watertown office. The purpose of the remedial excavation at this site was to remove contaminated source material in order to reduce or eliminate future impacts to groundwater, soils, and other potential environmental receptors.

Additional site work during the period indicated above included the following; restoration of excavated areas to match pre-excavation conditions, surveying and delineation of western property boundaries, installation of groundwater monitoring points, preliminary design work for sewer line replacement, and aiding in archaeological activities conducted by the New York State Museum. The following report summarizes all site work conducted in the period indicated above.

Soil Excavation/Disposal and Associated Site Work: Second Phase

Preliminary site work commenced in the northern portion of working Area 1 on May 4, 2007. Preliminary site work consisted of clearing trees and brush in areas of known petroleum impacts. Based on observed soil condition, a varied amount of un-impacted soil was removed from the work area ground surface. Soils within work areas stripped of soils showing no visible signs of petroleum impacts were field screened with a photo-ionization detector (PID). Based on field readings indicating total VOC concentrations of 0 parts per million (ppm), the soils were staged outside the immediate work area to be used as fill material.

During the course of excavation in working Area 1 on Fort La Presentation property the soil profile from grade generally consisted of dark brown organics from grade to an average depth of 1 foot below grade. Historic fill material was encountered from an average depth of 1.5 feet below grade to an average depth of 4 feet below grade. Beneath the historic fill material a peat layer varying in total thickness extended to an average depth of 5.5 feet below grade. Upon removal of the peat layer, gray silt and sand were encountered. Total depth of excavation within working Area 1 on Fort La Presentation Property reached an average depth of 6 feet below grade. Overall depth of excavation was determined by field screening of soils for total VOC concentrations with PID monitoring equipment. The field data collected from excavation in Area 1 on Fort La Presentation property indicated the highest total VOC concentrations in the 3 feet to 5 feet below grade range.
Upon completion of excavation on Fort La Presentation property, remedial excavation efforts continued to the west on to the Exxon Mobil property. Excavation on the Exxon

Mobil property began in the approximate vicinity of the historic location of Heating Oil #9 bulk storage. Soils on the Exxon Mobil property generally consisted of brown sand (fill material) grading to gray silts grading to silty clay. In select locations, a peat was encountered above the silty clay layer in varying thicknesses. Additionally exposure of soils in select locations revealed the presence of a layer of cinder type material beneath the encountered fill.

Progressing to the south excavation efforts intersected the central and western portions of IRM excavation Area 1 in the area due south of the former MW-42 monitoring well location. As excavation continued, fill material from previous intrusive site work was encountered. Based on visual inspection of clearly differentiated horizons, previously disturbed soils extended to an average total depth of 3 to 4 feet below grade. Soils encountered beneath the newer fill material showed petroleum staining and exhibited moderate to strong petroleum odors.

Remedial excavation efforts continued in swaths moving from east to west beginning in the northern portion of the Exxon Mobil property in areas of known petroleum impacts. Each systematic removal of impacted soils within a swath continued until reaching the southern portion of IRM excavation Area 1. Excavation on the Exxon Mobil property also included the removal of soils beneath fill material placed in IRM excavation Area 2. Removal of petroleum impacted soils continued in sections from north to south until the intersection with the western boundary of the Exxon Mobil property was eminent. Soils encountered in the vicinity of the western boundary presented visual indicators of continued petroleum impacts to the west. Field screening of soils in this vicinity also confirmed the need to progress off Exxon Mobil property and on to adjoining residential properties.

In order to delineate potential boundaries of excavation on the western working face of excavation activities, Nature's Way conducted a limited subsurface investigation employing direct push technology. Subsurface investigation efforts were conducted on July 30 & 31, 2007. Boring depths were based on site topography, observed soil moisture content in soil samples collected during boring advancements, and subsurface conditions (such as subsurface obstructions causing refusal of direct-push tooling). Soil Boring locations are delineated in Figure 5. Continuous soil samples were collected at all soil boring locations. Soil sampling equipment was decontaminated (washed with Liquinox soap and potable water) between sampling intervals.

Soil boring termination depths ranged from 8 feet below grade to 24 feet below grade. Soils encountered during the course of subsurface investigation consisted at most locations of brown silt and sand grading to gray silt and sand grading to gray silty clay with gravel at depth. Dependent on the location of soil borings, a layer of peat was encountered above the silty clay varying in thickness. All soil samples were stored in sealed plastic bags and the headspace of each sample was field analyzed for the presence of volatile organic compounds (VOCs) using a PID. The PID was calibrated daily to a 100 parts per million (ppm) Isobutylene standard. Soil sample headspace readings from the collected samples are summarized in Appendix B.

Subsequent to delineation of impacts to soils beyond the western Exxon Mobil property boundary, excavation efforts proceeded to the west. Preliminary site clearing was necessary in order to continue to the west, this included removal of plant material and semi-permanent structures. Soils encountered beyond the property boundary were consistent with soils encountered in previous excavation on the site. Variation existed only on the McMartin and Armano properties where a layer of wood shavings and other debris existed at an average depth of 2 feet below grade to an average depth of 4 feet below grade. PID readings in this portion of the excavation yielded the highest results in the wood and debris material. The limits of excavation on residential properties are included in Figure 1.

Simultaneously to excavation on residential properties excavation in the southeastern portion of the Exxon Mobil property was also occurring. On August 8, 2007 excavation efforts revealed petroleum product piping infrastructure at a depth of 4 feet below grade. Visual inspection of soils adjacent to the piping clearly exhibited evidence of petroleum staining and were field screened with a PID. Field screening of soils adjacent to the 6 inch diameter piping yielded total PID readings of 72 ppm to 905 ppm in the 4 feet below grade range. Continued excavation in the southeastern portion of the Exxon Mobil property revealed the presence of an underground storage tank (UST). The upper portion of the UST was mechanically exposed, and immediately upon exposure impacted groundwater was displaced from openings in the UST. Impacted groundwater was evacuated from the area of excavation and the UST employing an industrial vacuum truck and transferred to on-site frac tanks for treatment through carbon.

Subsequent to exposure of the UST, preparations were made for removing the tank from the surrounding soils. The UST was staged on 6-ml poly at the paved southern boundary of the Exxon Mobil property. Based on field measurements and inspection the UST was found to be of approximately 4,000 gallons in total capacity and separated into chambers. On August 15, 2007 the UST was relocated to the soil staging area and cleaned for disposal. All applicable confined space entry procedures were employed during the course of tank cleaning activities. Upon completion of tank cleaning activities, the UST was delivered to the Waste Stream facility located in Potsdam, NY for disposal.

Upon completion of soils removal adjacent to the former UST location, excavation activities in the southern portion of the site were suspended. The southern portion of the Exxon Mobil property contains City of Ogdensburg owned combined sewer overflow infrastructure. During the course of excavation in the vicinity of this structure, petroleum impacted soils were encountered surrounding all sides of the structure. NYSDEC officials in conjunction with the City of Ogdensburg Department of Public Works have resolved to leave portions of the structure in place until plans for replacement can be generated.

A total of 60,728.46 tons of petroleum impacted soil were extracted from work areas indicated in Figure 1 in the period beginning May 2007 through September 2007. Excavated soils were temporarily staged in the southern portion of the site, and

subsequently loaded for disposal at the Rodman DANC facility and the Franklin County Solid Waste facility. The Rodman DANC facility received 20,113.46 tons of the total quantity of PCS while the Franklin County facility accepted 40,615 tons of petroleum impacted soils. Transport of petroleum impacted soils was conducted by Riccelli Enterprises, Inc., M&M Trucking, and Richardson & Son Trucking. During the course of M&M Trucking involvement in the second phase of excavation and disposal of impacted soils, on-site scaling was employed to verify axle weight of transport vehicles for safety purposes.

Upon completion of viable work areas within work areas indicated by excavation boundary mark-out delineated in Figure 1, gabion stone and clean run-of-bank gravel were employed to backfill the areas of excavation. Fill material was placed in the excavation in lifts and machine compacted to a rough grade mark matching initial site grade conditions. Backfill material was predominantly supplied through CJC Contractors, Inc. employing various local trucking sources.

Subsequent to backfilling and compacting completed areas of excavation, impacted areas were dressed to re-create pre-existing site conditions. All areas impacted by excavation activities received 3 to 6 inches of topsoil and were subsequently seeded employing hydro-seeding technology. Areas of special concern in restoration efforts included the residential properties impacted by excavation activities at the western boundary of the work areas outlined in Figure 1. Residential properties were restored to closely match original conditions by installing appropriate plant material and semi-permanent structures where applicable.

Excavation Soil Sample Analysis

During the course of excavation in working Areas 1 and impacted areas indicated in Figure 1, composite soil samples were collected based on PID readings, absence of any nuisance petroleum odor, and absence of discoloration of soils indicating petroleum contamination. Composite soil samples were collected in order to confirm that petroleum impacted soils were removed from a given work area corresponding with NYSDEC TAGM standards.

Confirmation samples were collected employing standard sampling practices, packaged on ice, and submitted to Severn Trent Laboratories for analysis. Submitted samples were analyzed for semi-volatile organic compounds (SVOCs) in accordance with USEPA method 8270 B/N plus tentatively identified compounds (TICs) and for volatile organic compounds (VOCs) in accordance with USEPA Method 8260 plus MTBE, TBA, and TICs. All laboratory reporting of sample analysis includes category B deliverables.

Composite confirmation samples in working Area 1 and other areas of excavation delineated in Figure 1 were collected from excavation sidewalls at 30 foot intervals and from the excavation bottom in approximately 900 square foot intervals. Soil sample locations are delineated in Figure 1. The summary of soil sample analytical results is presented as Table 2. Additional confirmation samples were collected from soils beneath

the soil staging area located at the southern face of the Fort La Presentation property. Analytical results from staging area confirmation samples are presented in Table 5. During the course of confirmation or endpoint sampling, sample location physical data was recorded and has been summarized in Tables 7-9.

Confirmation samples at designated sidewall sample locations 40 through 44 (see Figure 1) will be collected upon re-mobilization in 2008. Additionally, the applicable endpoint samples will be collected within the combined sewer overflow corridor. Upon examination of endpoint sampling in conjunction with summary of field observation of subsurface conditions (see Tables 7-9), it does not appear that additional sampling is necessary beyond the locations mentioned above.

Air Monitoring

During the course of intrusive activities in both working Areas 1 and 3, air monitoring was conducted in accordance with stipulations set forth in the NYSDOH Generic Community Air Monitoring Plan (CAMP).

In accordance with CAMP requirements, a total of five stations were employed to monitor VOC concentrations in ambient air. The stations consisted of PIDs with 24 hour data logging capability housed in environmental enclosures mounted on aluminum tripods. The VOC monitoring stations were placed where one station was staged upwind of the area of excavation and four stations were staged downwind of the area of excavation. Data logging occurred at five VOC monitoring stations with average total concentrations being recorded at fifteen minute intervals. During the course of excavation activities in both work Areas 1 and 3, recorded total VOC concentrations in ambient air did not exceed 5 parts per million (ppm).

In addition to VOC monitoring, ambient air was monitored for particulate concentrations during ground intrusive activities. Dustrak monitors capable of recording particulates less than 10 micrometers in size were employed with one station located upwind of excavation areas and a second station located downwind of the areas of excavation. The particulate monitors logged data continuously throughout excavation activities, recording average total concentrations in 15 minute cycles. During the course of excavation activities in both working Areas 1 and 3, total particulate concentrations did not exceed 100 micrograms per cubic meter in any recorded 15 minute cycle.

Due to the volume of data collected from VOC monitoring stations and particulate monitoring stations, data summaries have not been included in the enclosures to this report. Any air monitoring data associated with ground intrusive activities conducted at the site is available upon request.

In addition to metered monitoring, dust suppression techniques were employed in order to minimize particulate concentrations in ambient air.

Excavation Dewatering and Groundwater Treatment

During the course of excavation activities, groundwater influx to the excavation occurred at average depths of four to six feet below grade. The groundwater encountered during excavation was removed from the work area employing the use of industrial vacuum trucks and a combination of diaphragm pumps, a Godwin style pump, and a 4" trash pump. Groundwater collected from the excavation was stored in three 21,000 gallon frac tanks staged predominantly at the northwestern boundary of Fort La Presentation owned property.

The contents of the frac tanks were filtered through sediment filters and subsequently through activated carbon housed in vessels whose carbon capacity is 1,000 pounds. Upon completion of the filtration process, the groundwater was discharged to the St. Lawrence River. Throughout excavation activities, an estimated total of 630,000 gallons of petroleum impacted groundwater were recovered and treated through the carbon filtration system. Samples of carbon system influent and effluent were collected throughout treatment activities by technicians from Upstate Laboratories, Inc. to ensure groundwater discharge to the St. Lawrence River did not exceed NYSDEC groundwater standards for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Analytical results are summarized in Table 6.

Groundwater Monitoring and Analysis

In order to verify the presence or absence of continued petroleum impacts to groundwater at the site, Nature's Way has installed one inch diameter groundwater monitoring points at the perimeters of excavated areas of the site. Groundwater monitoring points were installed employing direct-push technology.

On October 16 and 17, 2007, Nature's Way advanced 8 soil borings (SB-1 through SB-8) at the site using direct push technology. Soil boring at locations (S-B1 through SB-8) also included the installation of 1-inch diameter monitoring wells (MW-1a through MW-8a). Soil boring and monitoring well locations are delineated in Figure 1. Soil boring and monitoring well installations were supervised by a Nature's Way geologist.

The 8 boreholes were advanced to depths ranging from 12 feet below grade to 16 feet below grade. Boring depths were based on site topography, observed soil moisture content in soil samples collected during boring advancements, and subsurface conditions (such as subsurface obstructions causing refusal of direct-push tooling). Continuous soil samples were collected at all soil boring locations. Soil sampling equipment was decontaminated (washed with Liquinox soap and potable water) between sampling intervals.

Soil samples consisted predominantly of medium to fine grain sand, organic peat material and intermittently dense silt with some clay. Based on the moisture content in the samples, the depth to groundwater was estimated at an average depth of 4.65 feet below grade across the site. Petroleum odors were noted at soil boring locations SB-5 and SB-7. All soil samples were stored in sealed plastic bags and the headspace of each sample was field analyzed for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). The PID was calibrated daily to a 100 parts per million (ppm) Isobutylene standard. VOCs were detected in soils at soil boring locations SB-5 and SB-7. Soil sample headspace readings are recorded in Appendix B.

Monitoring wells MW-1a through MW-8a were each constructed of 1-inch diameter, 0.010-inch slot PVC well screen and 1-inch diameter PVC riser pipe. All wells were installed following standard overburden groundwater monitoring well installation practices (silica sand pack, bentonite seal, and clean soil to grade), see Appendix A for further construction details. Survey data used to determine top of casing elevations was collected on November 28, 2007. Calculation of top of casing elevations was based on two on-site benchmarks.

On November 28, 2007, depth-to-water measurements in monitoring wells MW-1a through MW-8a, and MW-10 (GT-3) were recorded using a sonic interface probe. On November 28, 2007, groundwater elevations ranged from 94.36 feet in MW-10a to 99.45 feet in MW-5a.
Groundwater contour and flow maps have been prepared for data collected during the initial sampling even. The groundwater flow direction was determined to be predominantly to the north and northwest (see figures3 and 3a).

On November 28, 2007, groundwater samples were collected from monitoring wells MW-1a through MW-8a, and MW-10 (GT-3). Prior to sample collection, well volumes were calculated and a minimum of three well volumes was purged from each well using individual, disposable bailers. All purged water was passed through a 5-gallon carbon bucket prior to discharge on the ground surface. Groundwater samples were collected in appropriate containers, stored in a cooler with cubed ice, and delivered to Severn Trent Laboratories for volatile organic compound (VOC) analysis in accordance with USEPA Method 8260 with MTBE, TBA, and TICs. Submitted groundwater samples were also analyzed for SVOCs in accordance with EPA Method 8270 B/N plus TICs, and for petroleum component identification by NYSDOH Method 310-13 and EPA Method 8015. All standard sample collection and Chain-of-Custody protocols were followed throughout the sampling event. Analytical results for the sampling event conducted are summarized in Table 3.

Sewer Line Replacement; Design Phase

During the course of excavation activities on Exxon-Mobil property, a 24 inch diameter combined sewer overflow line was exposed within an area of petroleum impacted soils. In order to facilitate the removal of petroleum impacted soils in this area it was determined by the NYSDEC that temporary removal of the main portion of the sewer line

was to occur. The 24 inch diameter line was removed during the course of excavation activities beginning at an access point in the south-central portion of the Exxon Mobil property, extending to a connection point adjacent to Albany Avenue. Portions of the infrastructure in this section of the property were left in tact.

Based on conferences with the NYSDEC and the City of Ogdensburg Department of Public Works, it has been determined that replacement of this sewer line is necessary. Replacement will occur following the removal of any applicable sections of remaining sewer infrastructure and petroleum impacted soils in the vicinity of applicable lines. Following the requirements imposed by the City of Ogdensburg Department of Public Works, Nature's Way has contracted Bernier-Carr & Associates to generate the design of necessary replacement sewer line structures. As of December 27, 2007, Bernier-Carr & Associates have completed data collection associated with the design of the aforementioned sewer line replacement and are in the process of generating the necessary construction plans.

Property Boundary Delineation

Subsequent to the completion of remedial excavation activities at the western boundary of the Exxon-Mobil property, and the related excavation activities on the Ryan, Schmidt, and MacMartin properties, a property boundary survey was conducted. Boundary delineation was conducted by Jacobs Land Surveying of Ogdensburg, NY. Mapping of the boundary delineation conducted on these properties is included as Figure 2. In addition to boundary delineation Jacobs Surveying established an elevation benchmark in order for MacMartin shed replacement to occur in accordance with Ogdensburg Department of Code Enforcement stipulations.

Additional Site Work: Archaeology Study, Plume Delineation

At the request of the NYSDEC, Nature's Way began exploratory test pit excavation on and around the Duffy property beginning on September 25, 2007. Prior to commencing excavation activities, Dig Safely New York was contacted and all applicable underground utilities were marked out on the ground surface.

The purpose of exploratory excavation on this portion of property was conducted in order to determine the extent of petroleum contaminated soil that currently exists on the Duffy owned property and the properties directly adjoining the Duffy parcel and to determine the presence or absence of cultural artifacts on applicable portions of the property.

During the course of trenching or excavation of test pits on the Duffy property the following methods were employed; excavation of soils to approximately four feet below grade in a central trench, soils immediately adjacent to the central trench were excavated to two feet below grade creating a step into the central trench, a ladder was placed in the central trench for access, and each trench location was evaluated for ambient air conditions employing PID and LEL meters. Upon determining that ambient air conditions were acceptable, the New York State Museum and Nature's Way personnel

entered select trench locations to evaluate soils for evidence of petroleum impacts and the presence of cultural artifacts.

Trench or test pit locations were determined by NYSDEC representatives in conjunction with Nature's Way and New York State Museum (NYSM) personnel. Trench locations are delineated in Figure 5.

Initial investigation on the Duffy property began southeast of the property's residential structure. Field analysis of soils in trench location 1 through trench location 10 did not yield evidence of petroleum impacts. Additionally, trench locations 26, 27, 29 through 33, 40 through 42, and location 56 show no evidence of petroleum impacts within field determined parameters. Impacts to soils in trench locations that are excluded from those mentioned above are delineated in Figure 5. Based on interpretation of field data, the area of soils indicating petroleum impacts roughly coincides with previous delineation efforts. Trench location 48 revealed the presence of 6-inch diameter petroleum product delivery line that reportedly connected receiving facilities to bulk storage facilities formerly located on the Exxon Mobil property.

The final phase of excavation activities is scheduled to begin in the spring of 2008. If you have any questions or require further information, please do not hesitate to contact me at (315) 635-9818.

Sincerely,
Nature's Way Environmental Consultants & Contractors, Inc.

Jerry Howell
Project Manager/Environmental Scientist

Enclosures:

Figure 1 – Jacob's Land Surveying Site Map: Excavation Limits & Confirmation Sample Locations
Figure 2: Property Boundary Survey Map

Figure 3: Groundwater Flow Direction Map (11/07) Area 1 Vicinity

Figure 3a: Groundwater Flow Direction Map (11/07) Area 3 Vicinity

Figure 4: Subsurface Investigation & Comparative Field Analysis Map

Figure 5: Subsurface Investigation; Residential Properties

Figure 6: Sewer Line Corridor; Remedial Action Outline

Table 1 – Summary of Soil Sample Analytical Results; Landfill Characterization Samples

Table 2 – Summary of Soil Sample Analytical Results; Confirmation Samples

Table 3 – Summary of Groundwater Sample Analytical Results

Table 4 – Summary of Groundwater Elevations

Table 5 – Summary of Soil Sample Analytical Results; Staging Area Confirmation Samples

Table 6 – Summary of Carbon Treatment System Analytical Results

Table 7 – Field Indicator Summary; SW-1 through SW-56

Table 8 – Field Indicator Summary; SW-57 through SW-86

Table 9 – Field Indicator Summary; B-1 through B-69

Table 10 – Summary of Soil Sample Analytical; Sidewall Sample TICs

Table 11 – Summary of Soil Sample Analytical; Bottom Sample TICs

Table 12 – Summary of Groundwater Analytical; 11/07 TICs

Table 13 – Field Indicator Summary; Duffy Property and Vicinity Trenches

Appendix A – Limited Photo-documentation
Appendix B – Soil Boring/Monitoring Well Construction Logs

NATURE'S WAY Environmental Contractors & Consultants, Inc.

Project Name
DEC Region 6
Ogdensburg–Lighthouse Point

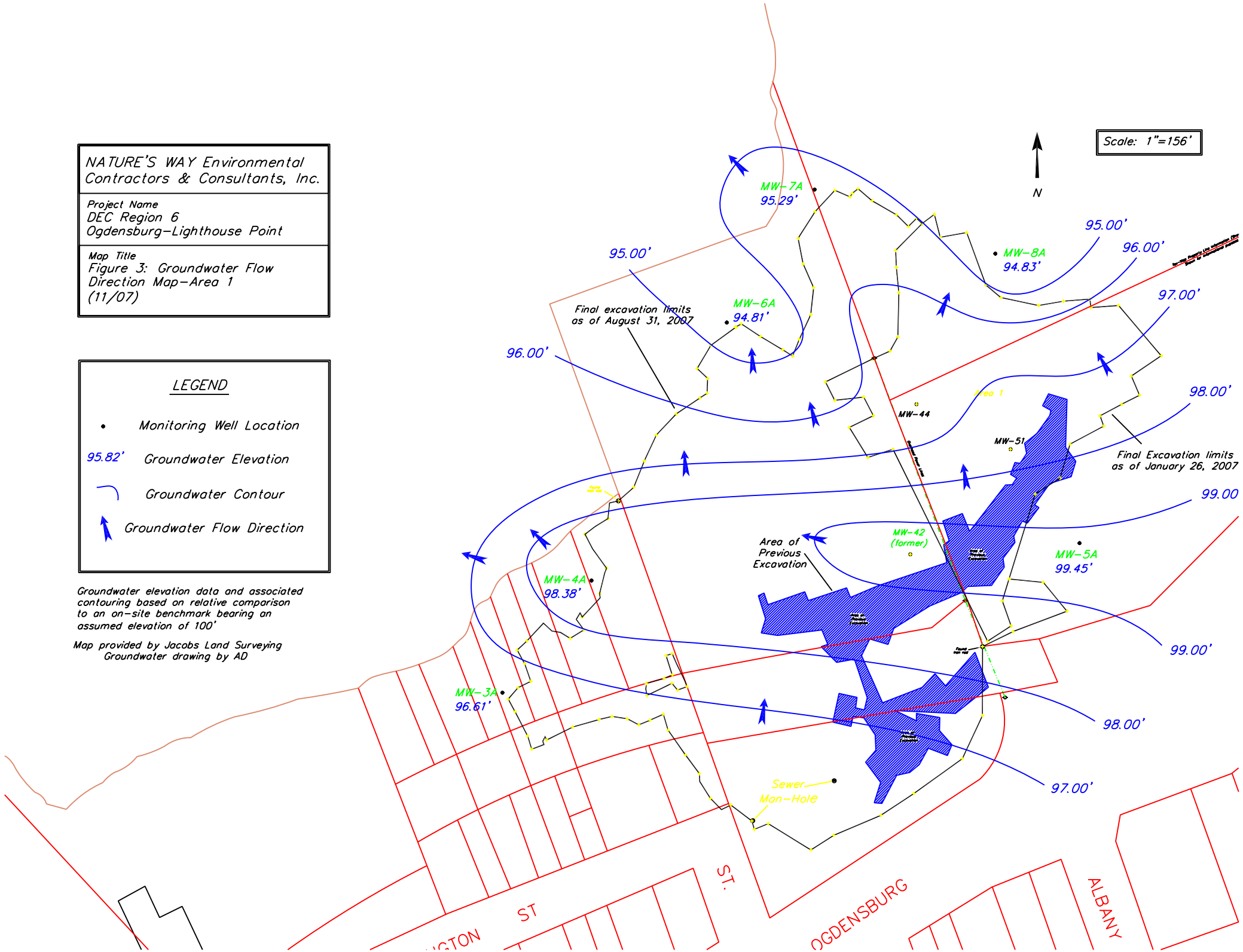
Map Title
Figure 3: Groundwater Flow Direction Map–Area 1
(11/07)

LEGEND

- Monitoring Well Location
- 95.82' Groundwater Elevation
- Groundwater Contour
- Groundwater Flow Direction

Groundwater elevation data and associated contouring based on relative comparison to an on–site benchmark bearing an assumed elevation of 100'

Map provided by Jacobs Land Surveying
Groundwater drawing by AD



NATURE'S WAY Environmental Contractors & Consultants, Inc.

Project Name
DEC Region 6
Ogdensburg–Lighthouse Point

Map Title
Figure 3a: Groundwater Flow Direction Map–Area 3
(11/07)

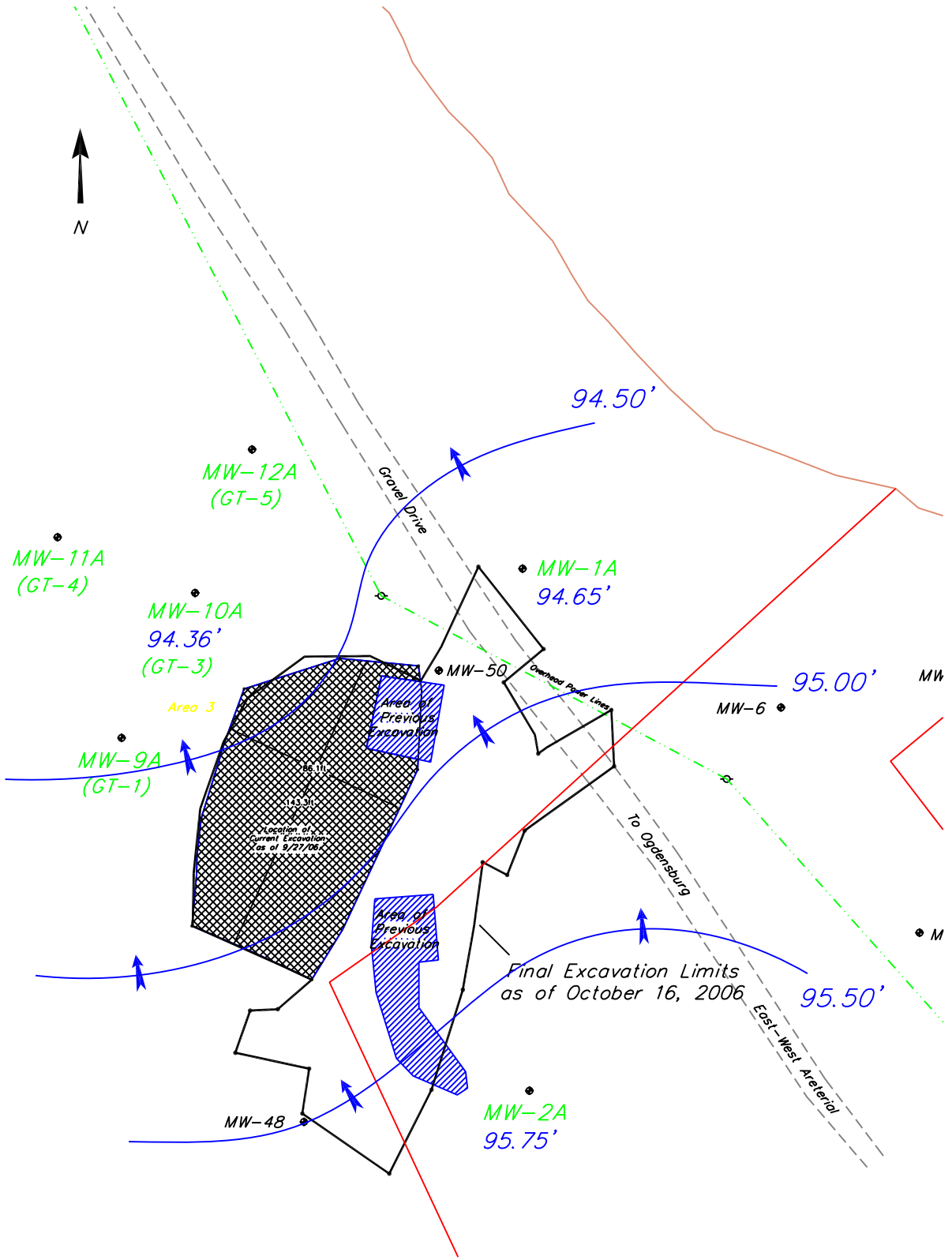
Scale: 1"=72'

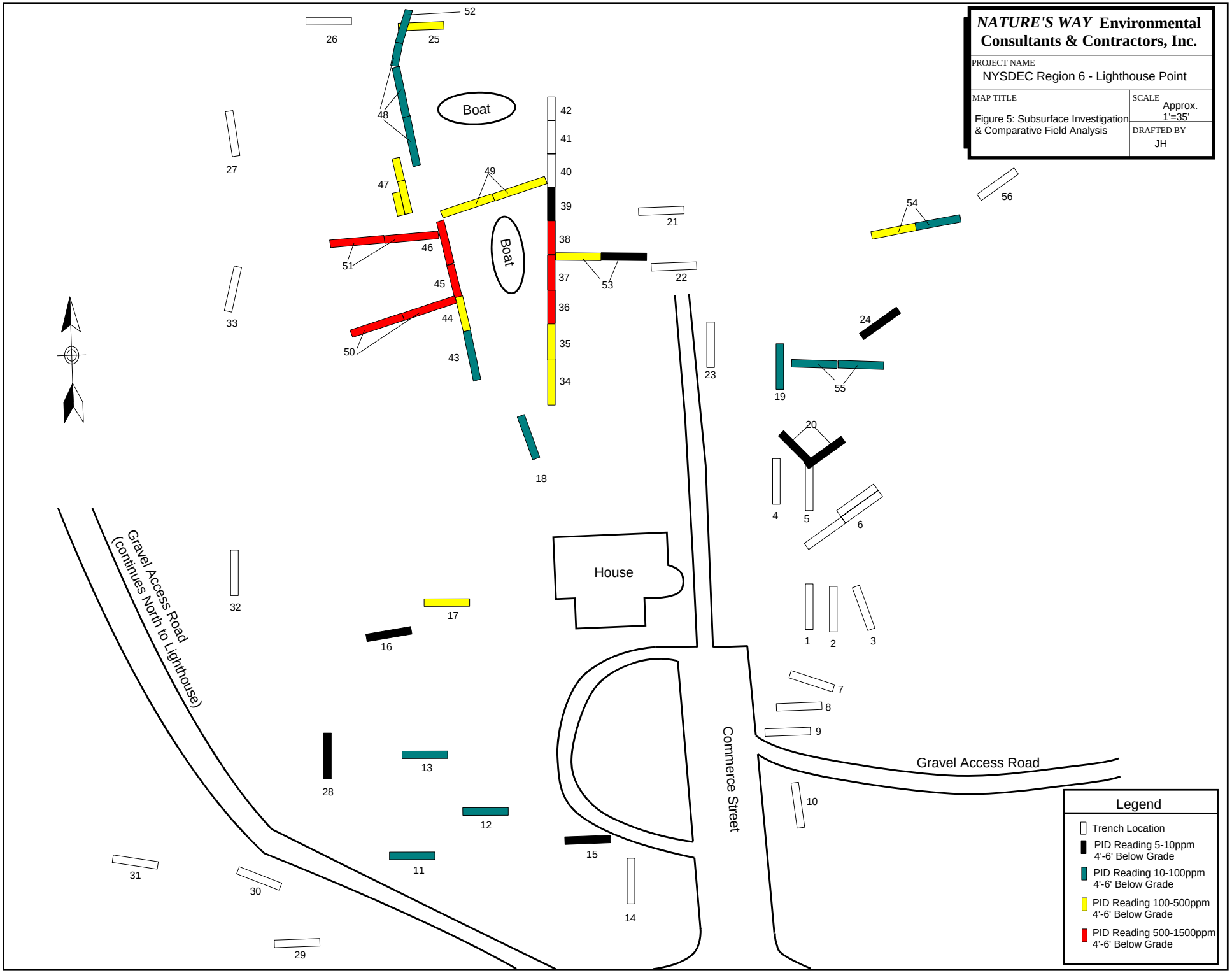
LEGEND

- Monitoring Well Location
- 95.82' Groundwater Elevation
- Groundwater Contour
- Groundwater Flow Direction

Groundwater elevation data and associated contouring based on relative comparison to an on–site benchmark bearing an assumed elevation of 100'

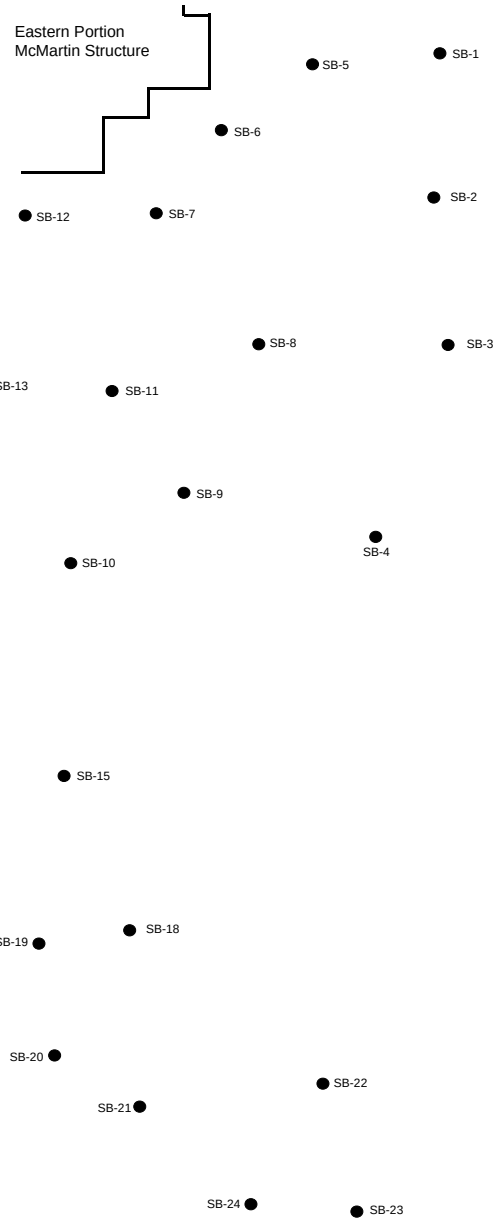
Map provided by Jacobs Land Surveying
Groundwater drawing by AD




NATURE'S WAY Environmental Consultants & Contractors, Inc.
PROJECT NAME
NYSDEC Region 6 - Lighthouse Point
MAP TITLE
Figure 5: Subsurface Investigation & Comparative Field Analysis
SCALE
Approx. 1'=35'
DRAFTED BY
JH
Boat
Boat
House
Gravel Access Road (continues North to Lighthouse)
Commerce Street
Gravel Access Road
Legend
Trench Location
PID Reading 5-10ppm 4'-6' Below Grade
PID Reading 10-100ppm 4'-6' Below Grade
PID Reading 100-500ppm 4'-6' Below Grade
PID Reading 500-1500ppm 4'-6' Below Grade

NATURE'S WAY Environmental Consultants & Contractors, Inc.

PROJECT NAME: NYSDEC Region 6 - Lighthouse Point	
MAP TITLE: Figure 5: Subsurface Investigation Residential Properties	SCALE: 1"=35'
	DRAFTED BY: JH



Legend

- Soil Boring Location

- SB-25 (approx.)
- SB-26 (approx.)

NATURE'S WAY Environmental Consultants & Contractors, Inc.

PROJECT NAME
NYSDEC Region 6 - Lighthouse Point

MAP TITLE	SCALE
Figure 6: Sewer Line Corridor; Remedial Action Outline	1"=50'
	DRAFTED BY: JH

Legend

- Manhole Location
- Approximate Location of Combined Sewer Overflow
- Approximate Delineation of Petroleum Impacted Soils to be Removed
- Approximate location of Endpoint Sample Collection (Composite Samples)

Sample ID	Collection Depth
SW-71	6'-14'
SW-75	2'-7'
SW-76	2'-7'
SW-77	2'-7'
SW-78	2'-7'
SW-79	2'-8'
SW-86	2'-12'

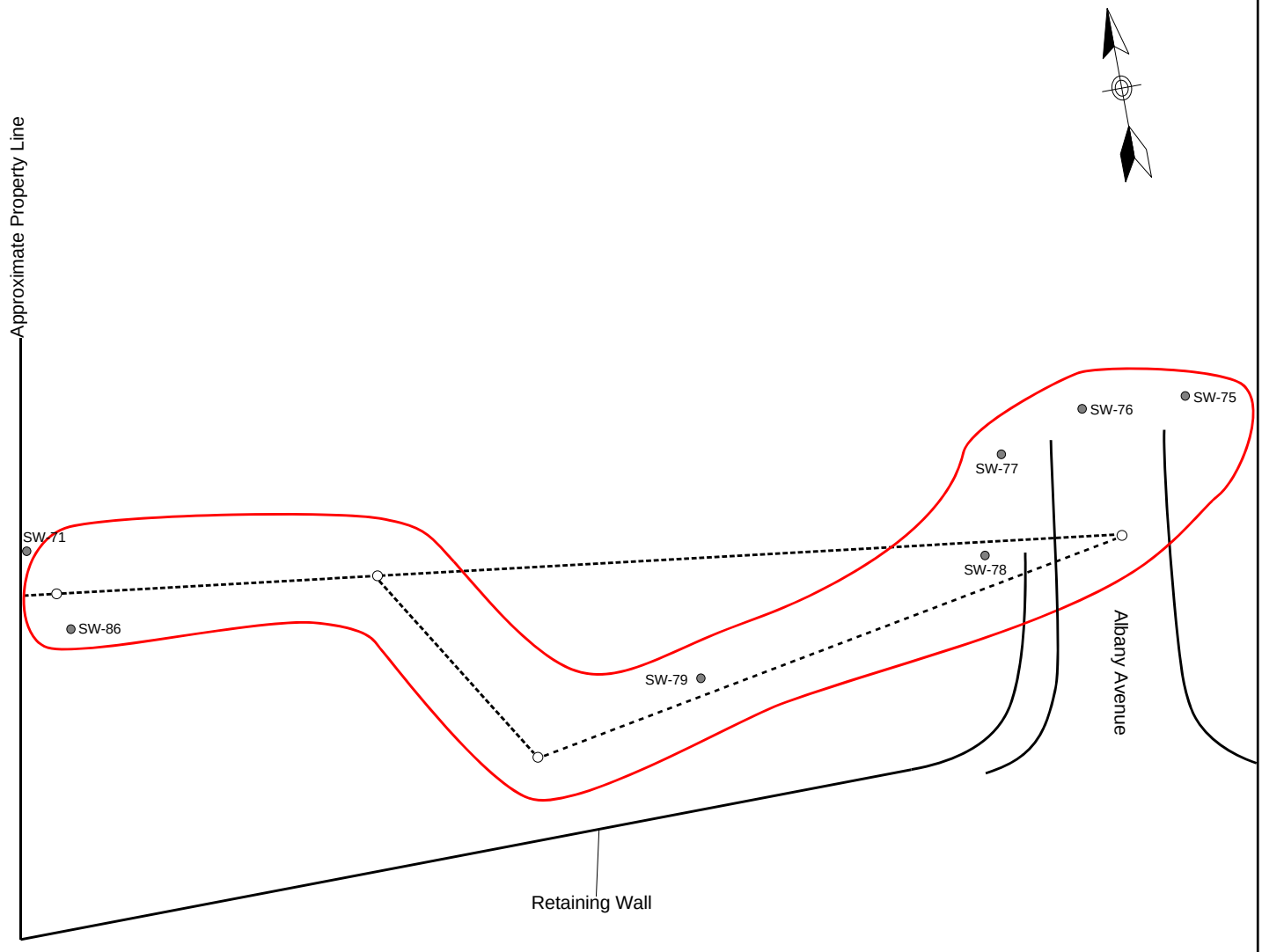


Table 1 - Summary of Soil Sample Analytical Results; Landfill Characterizatio

(Stockpile characterization Samples Collected on 4/25/2007

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York
Spill: 01-03685 PIN; 03276

Stockpile Soil Composite #1

SVOCs EPA Method 8270 B/N Extractables	Stockpile
1,4 - Dichlorobenzene	ND
2,4,5 - Trichlorophenol	ND
2,4,6 - Trichlorophenol	ND
2,4 - Dinitrotoluene	ND
2 - Methylphenol	ND
3 - Methylphenol	ND
4 - Methylphenol	ND
Hexachlorobenzene	ND
Hexachlorobutadiene	ND
Hexachloroethane	ND
Nitrobenzene	ND
Pentachlorophenol	ND
Pyridine	ND
Sum of Reported Values:	*ND*

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

VOCs EPA Method 8260 (Modified)	Stockpile
Benzene	ND

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

TCLP Metals (Lead)	Stockpile
	0.16
Flashpoint	**Stockpile**
	<200
Paint Filter (Moisture Content)	**Stockpile**
	Passed

TCLP Lead values reported in ug/l (ppb)
Flashpoint values reported in degrees Farenheit
Paint filter (moisture content reported on pass - fail basis

Stockpile Soil Composite #2

SVOCs EPA Method 8270 B/N Extractables	Stockpile
1,4 - Dichlorobenzene	ND
2,4,5 - Trichlorophenol	ND
2,4,6 - Trichlorophenol	ND
2,4 - Dinitrotoluene	ND
2 - Methylphenol	ND
3 - Methylphenol	ND
4 - Methylphenol	ND
Hexachlorobenzene	ND
Hexachlorobutadiene	ND
Hexachloroethane	ND
Nitrobenzene	ND
Pentachlorophenol	ND
Pyridine	ND
Sum of Reported Values:	*ND*

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

VOCs EPA Method 8260 (Modified)	Stockpile
Benzene	ND

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

TCLP Metals (Lead)	Stockpile
	1.1
Flashpoint	
	<200
Paint Filter (Moisture Content)	**Stockpile**
	Passed

TCLP Lead values reported in ug/l (ppb)
Flashpoint values reported in degrees Farenheit
Paint filter (moisture content reported on pass - fail basis

Stockpile Soil Composite #3

SVOCs EPA Method 8270 B/N Extractables	Stockpile
1,4 - Dichlorobenzene	ND
2,4,5 - Trichlorophenol	ND
2,4,6 - Trichlorophenol	ND
2,4 - Dinitrotoluene	ND
2 - Methylphenol	ND
3 - Methylphenol	ND
4 - Methylphenol	ND
Hexachlorobenzene	ND
Hexachlorobutadiene	ND
Hexachloroethane	ND
Nitrobenzene	ND
Pentachlorophenol	ND
Pyridine	ND
Sum of Reported Values:	*ND*

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

VOCs EPA Method 8260 (Modified)	Stockpile
Benzene	ND

All values reported in ug/L (ppb).
ND - Not Detected above method detection limits

TCLP Metals (Lead)	Stockpile
	0.28
Flashpoint	**Stockpile**
	<200
Paint Filter (moisture Content)	**Stockpile**
	Passed

TCLP Lead values reported in ug/l (ppb)
Flashpoint values reported in degrees Farenheit
Paint filter (moisture content reported on pass - fail basis

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Bottom 2	Bottom 3	Bottom 4	Bottom 5	Bottom 6	Bottom 7	Bottom 8	Bottom 9	Bottom 10	Bottom 11	Bottom 12	Bottom 13	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**4.5**	**5.0**	**7.0**	**6.0**	**6.0**	**6.0**	**5.5**	**8.0**	**6.0**	**6.0**	**7.0**	**8.0**	
Acenaphthene	21	<990	<230	<290	<200	<250	<1,200	<200	<210	<180	<190	<190	50,000
Fluorene	23	<990	<230	<290	<200	<250	<1,200	<200	<210	<180	<190	12	50,000
Phenanthrene	180	180	32	16	13	<250	69	<200	25	72	<190	110	50,000
Anthracene	46	73	29	<290	<200	<250	<1,200	<200	9	27	<190	33	50,000
Fluoranthene	280	550	54	18	9	12	150	<200	55	260	<190	<190	50,000
Pyrene	220	540	68	20	10	11	160	<200	48	210	<190	230	50,000
Benzo(a)anthracene	130	**380**	56	26	9	<250	120	<200	38	130	<190	160	224
Chrysene	120	360	46	16	<200	<250	100	<200	40	120	<190	160	400
Benzo(b)fluoranthene	130	**650**	59	19	<200	10	160	<200	32	180	<190	**290**	220
Benzo(k)fluoranthene	47	<990	51	24	<200	<250	<1,200	<200	45	<180	<190	<190	220
Benzo(a)pyrene	**110**	**390**	54	21	<200	<250	**120**	<200	40	**86**	<190	**150**	61
Dibenzo(a,h)anthracene	**250**	**1,200**	**410**	**470**	<200	**400**	**2,000**	<200	**23**	**28**	<190	**43**	14
Benzo(g,h,i)perylene	81	350	71	24	<200	10	120	<200	51	76	<190	150	50,000
Ideno(1,2,3-cd)pyrene	69	290	61	24	<200	11	95	<200	44	73	<190	140	3,200
Napthalene	21	76	<230	<290	<200	<250	<1,200	<200	<210	10	<190	21	13,000
All Other Compounds	904	1,143	458	259	86	141	<1,200	109	25	41	<190	363	
Sum of Reported Values:	*2,632*	*6,182*	*1,449*	*937*	*127*	*595*	*3,094*	*109*	*475*	*1,313*	*<190*	*1,862*	
TICs (estimated total conc.)	None	None	780	2,900	910	6,930	1,900	None	590	None	None	190	
(# of compounds)	Found	Found	2	5	1	9	1	Found	3	Found	Found	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Bottom 2	Bottom 3	Bottom 4	Bottom 5	Bottom 6	Bottom 7	Bottom 8	Bottom 9	Bottom 10	Bottom 11	Bottom 12	Bottom 13	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**4.5**	**5.0**	**7.0**	**6.0**	**6.0**	**6.0**	**5.5**	**8.0**	**6.0**	**6.0**	**7.0**	**8.0**	
Benzene	<6	<6	<7	<8	<6	<7	<7	<6	<6	<6	<6	<6	60
Ethylbenzene	<6	<6	<7	<8	<6	<7	<7	<6	<6	<6	<6	<6	5,500
Isopropylbenzene	<6	<6	<7	<8	<6	7	<7	<6	<6	<6	<6	<6	2,300
Xylenes (total)	<18	<18	<20	<24	<18	<22	<20	<18	<28	<28	<28	<18	1,200
MTBE	<6	<6	<7	<8	<6	<7	<7	<6	<6	<6	<6	<6	120
Toluene	<6	<6	<7	<8	<6	<7	<7	<6	<6	<6	<6	<6	1,500
All Other Compounds	31	22	35	78	94	218	33	35	22	19	19	12	
Sum of Reported Values:	*31*	*22*	*35*	*78*	*94*	*218*	*33*	*35*	*22*	*19*	*19*	*12*	
TICs (estimated total conc.)	210	118	None	10	None	750	69	6	None	None	None	None	
(# of compounds)	10	6	Found	1	Found	10	6	1	Found	Found	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs **EPA Method 8270 B/N**	**Bottom 14**	**Bottom 15**	**Bottom 16**	**Bottom 17**	**Bottom 18**	**Bottom 19**	**Bottom 20**	**Bottom 21**	**Bottom 22**	**Bottom 23**	**Bottom 24**	**Bottom 25**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0**	**6.5**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.5**	**6.5**	**7.0**	
Acenaphthene	<240	<420	<380	<180	<420	<560	<740	<940	<190	<190	<210	<180	50,000
Fluorene	<240	<420	<380	<180	<420	<560	<740	<940	<190	<190	<210	<180	50,000
Phenanthrene	<240	<420	<380	<180	<420	<560	<740	<940	<190	150	14	<180	50,000
Anthracene	<240	<420	<380	<180	<420	<560	<740	140	<190	58	<210	<180	50,000
Fluoranthene	<240	<420	<380	<180	<420	<560	43	1,000	15	390	100	<180	50,000
Pyrene	<240	<420	<380	<180	<420	<560	36	<940	13	360	110	<180	50,000
Benzo(a)anthracene	<240	<420	<380	<180	<420	<560	37	**530**	15	**240**	120	<180	224
Chrysene	<240	<420	<380	<180	<420	<560	<740	**480**	10	160	100	<180	400
Benzo(b)fluoranthene	<240	<420	<380	<180	<420	<560	<740	**880**	14	200	160	<180	220
Benzo(k)fluoranthene	<240	<420	<380	<180	<420	<560	<740	<940	<190	98	<210	<180	220
Benzo(a)pyrene	<240	<420	<380	<180	<420	<560	<740	**470**	10	**200**	**100**	<180	61
Dibenzo(a,h)anthracene	<240	<420	<380	<180	<420	<560	<740	**110**	<190	**45**	**23**	<180	14
Benzo(g,h,i)perylene	<240	<420	<380	<180	<420	<560	<740	310	10	140	69	<180	50,000
Ideno(1,2,3-cd)pyrene	<240	<420	<380	<180	<420	<560	<740	320	9	130	54	<180	3,200
Napthalene	<240	<420	<380	<180	<420	<560	<740	41	<190	<190	<210	<180	13,000
All Other Compounds	<240	<420	<380	<180	140	26	<740	271	<190	<190	<210	8	
Sum of Reported Values:	*<240*	*<420*	*<380*	*<180*	*140*	*26*	*116*	*4,552*	*96*	*2,171*	*850*	*8*	
TICs (estimated total conc.)	2,200	21,600	18,500	3,740	21,890	54,000	47,340	None	150	5,800	640	250	
(# of compounds)	3	10	9	8	18	20	11	Found	1	2	3	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs **EPA Method 8260+MTBE+TBA**	**Bottom 14**	**Bottom 15**	**Bottom 16**	**Bottom 17**	**Bottom 18**	**Bottom 19**	**Bottom 20**	**Bottom 21**	**Bottom 22**	**Bottom 23**	**Bottom 24**	**Bottom 25**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0**	**6.5**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.5**	**6.5**	**7.0**	
Benzene	<6	<12	<11	<8	<13	<15	<98	<6	<5	<5	<5	<5	60
Ethylbenzene	<6	<12	<11	<8	<13	<15	30	<6	<5	<5	<5	<5	5,500
Isopropylbenzene	<6	<12	<11	<8	<13	<15	15	<6	<5	<5	<5	<5	2,300
Xylenes (total)	<18	<36	<33	<8	<38	<46	230	<19	<16	<15	<15	<16	1,200
MTBE	<6	<12	<11	<8	<13	<15	<21	<6	<5	<5	<5	<5	120
Toluene	<6	<12	<11	<8	<13	<15	10	<6	<5	<5	<5	<5	1,500
All Other Compounds	25	36	50	50	381	420	798	41	14	35	47	19	
Sum of Reported Values:	*25*	*36*	*50*	*50*	*381*	*420*	*1,083*	*41*	*14*	*35*	*47*	*19*	
TICs (estimated total conc.)	None	None	None	None	165	17	2,150	76	None	61	None	None	
(# of compounds)	Found	Found	Found	Found	3	1	6	6	Found	8	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Bottom 26	Bottom 27	Bottom 28	Bottom 29	Bottom 30	Bottom 31	Bottom 32	Bottom 33	Bottom 34	Bottom 35	Bottom 36	Bottom 37	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	
Acenaphthene	<200	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	50,000
Fluorene	<200	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	50,000
Phenanthrene	18	14	<260	<570	<3,800	<3,800	<3,100	<250	<200	91	14	<3,600	50,000
Anthracene	<200	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	50,000
Fluoranthene	42	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	38	<3,600	50,000
Pyrene	39	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	36	<3,600	50,000
Benzo(a)anthracene	26	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	77	23	<3,600	224
Chrysene	25	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	22	<3,600	400
Benzo(b)fluoranthene	37	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	22	<3,600	220
Benzo(k)fluoranthene	10	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	220
Benzo(a)pyrene	28	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	17	<3,600	61
Dibenzo(a,h)anthracene	8	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	14
Benzo(g,h,i)perylene	27	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	100	12	<3,600	50,000
Ideno(1,2,3-cd)pyrene	22	<300	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	11	<3,600	3,200
Napthalene	<200	22	<260	<570	<3,800	<3,800	<3,100	<250	<200	<1,900	<180	<3,600	13,000
All Other Compounds	<200	41	160	270	<3,800	<3,800	<3,100	92	23	<1,900	16	<3,600	
Sum of Reported Values:	*282*	*77*	*160*	*270*	*<3,800*	*<3,800*	*<3,100*	*92*	*23*	*268*	*211*	*<3,600*	
TICs (estimated total conc.)	1,810	11,220	13,680	6,510	None	46,800	353,600	17,760	2,710	12,800	360	29,000	
(# of compounds)	8	20	17	8	Found	6	10	9	7	2	1	6	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Bottom 26	Bottom 27	Bottom 28	Bottom 29	Bottom 30	Bottom 31	Bottom 32	Bottom 33	Bottom 34	Bottom 35	Bottom 36	Bottom 37	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	
Benzene	<6	<9	<7	<16	<22	<16	<20	<7	<6	<6	<5	43	60
Ethylbenzene	<6	<9	<7	<16	<22	<16	<20	<7	<6	<6	<5	<20	5,500
Isopropylbenzene	<6	22	<7	<16	<22	<16	<20	<7	<6	<6	<5	16	2,300
Xylenes (total)	<17	5	<21	<16	<65	<48	<20	<22	<18	<17	<15	<20	1,200
MTBE	<6	<9	<7	<16	<22	<16	<20	<7	<6	<6	<5	<20	120
Toluene	<6	<9	<7	<16	<22	<16	<20	<7	<6	<6	<5	<20	1,500
All Other Compounds	490	355	233	916	2,149	1,374	1,642	302	63	23	39	2,583	
Sum of Reported Values:	*490*	*382*	*233*	*916*	*2,149*	*1,374*	*1,642*	*302*	*63*	*23*	*39*	*2,583*	
TICs (estimated total conc.)	None	1,099	None	76	25	None	31	8	6	59	None	137	
(# of compounds)	Found	10	Found	3	1	Found	1	1	1	8	Found	3	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs **EPA Method 8270 B/N**	**Bottom 38**	**Bottom 39**	**Bottom 40**	**Bottom 41**	**Bottom 42**	**Bottom 43**	**Bottom 44**	**Bottom 45**	**Bottom 46**	**Bottom 47**	**Bottom 48**	**Bottom 49**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	
Acenaphthene	54	<420	<480	<1,600	<340	<1,300	<230	<270	<200	<240	<240	<1,200	50,000
Fluorene	60	<420	<480	<1,600	<340	<1,300	<230	<270	<200	<240	<240	<1,200	50,000
Phenanthrene	220	<420	<480	170	<340	68	37	<270	<200	15	<240	<1,200	50,000
Anthracene	<680	<420	<480	<1,600	<340	<1,300	<230	<270	<200	<240	<240	<1,200	50,000
Fluoranthene	72	<420	<480	<1,600	<340	110	55	<270	<200	300	<240	<1,200	50,000
Pyrene	83	<420	<480	<1,600	<340	<1,300	40	<270	<200	18	<240	<1,200	50,000
Benzo(a)anthracene	<680	<420	<480	<1,600	<340	83	24	<270	<200	23	<240	<1,200	224
Chrysene	<680	<420	<480	<1,600	<340	53	30	<270	<200	<240	<240	<1,200	400
Benzo(b)fluoranthene	<680	<420	<480	<1,600	<340	<1,300	33	<270	<200	**290**	<240	<1,200	220
Benzo(k)fluoranthene	<680	<420	<480	<1,600	<340	<1,300	12	<270	<200	13	<240	<1,200	220
Benzo(a)pyrene	<680	<420	<480	<1,600	300	<1,300	28	<270	<200	**340**	<240	<1,200	61
Dibenzo(a,h)anthracene	<680	<420	<480	<1,600	<340	<1,300	<230	<270	<200	**370**	<240	<1,200	14
Benzo(g,h,i)perylene	<680	<420	<480	<1,600	<340	<1,300	20	<270	<200	23	<240	<1,200	50,000
Ideno(1,2,3-cd)pyrene	<680	<420	<480	<1,600	<340	<1,300	18	<270	<200	340	<240	<1,200	3,200
Napthalene	<680	<420	<480	250	<340	<1,300	<230	<270	<200	<240	<240	<1,200	13,000
All Other Compounds	600	218	<480	1,000	439	<1,300	154	<270	<200	<240	<240	<1,200	
Sum of Reported Values:	*1,089*	*218*	*<480*	*1,420*	*439*	*314*	*451*	*<270*	*<200*	*1,732*	*<240*	*<1,200*	
TICs (estimated total conc.)	38,330	6,970	15,840	37,300	45,710	173,400	5,620	8,590	None	320	None	9,530	
(# of compounds)	19	9	16	13	20	7	9	6	Found	1	Found	4	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs **EPA Method 8260+MTBE+TBA**	**Bottom 38**	**Bottom 39**	**Bottom 40**	**Bottom 41**	**Bottom 42**	**Bottom 43**	**Bottom 44**	**Bottom 45**	**Bottom 46**	**Bottom 47**	**Bottom 48**	**Bottom 49**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	
Benzene	<21	<7	<15	<8	<8	<7	<6	<7	<6	<7	<7	<6	60
Ethylbenzene	<21	<7	<15	<8	<8	<7	<6	<7	<6	<7	<7	<6	5,500
Isopropylbenzene	66	<7	<15	<8	<8	<7	<6	<7	<6	<7	<7	<6	2,300
Xylenes (total)	15	<21	9	<24	<25	<21	<18	<21	<16	<22	<21	<19	1,200
MTBE	<21	<7	<15	<8	<8	<7	<6	<7	<6	<7	<7	<6	120
Toluene	5	<7	<15	<8	<8	<7	2	<7	<6	<7	<7	<6	1,500
All Other Compounds	4,729	510	800	255	408	276	118	199	74	41	65	247	
Sum of Reported Values:	*4,815*	*510*	*800*	*255*	*408*	*276*	*120*	*199*	*74*	*41*	*65*	*247*	
TICs (estimated total conc.)	821	26	38	11	10	None	320	136	6	12	12	None	
(# of compounds)	10	2	2	1	1	Found	10	10	1	1	1	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs **EPA Method 8270 B/N**	**Bottom 50**	**Bottom 51**	**Bottom 52**	**Bottom 53**	**Bottom 54**	**Bottom 55**	**Bottom 56**	**Bottom 57**	**Bottom 58**	**Bottom 59**	**Bottom 60**	**Bottom 61**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**8.0**	**3.0-9.0**	**3.0-9.0**	
Acenaphthene	<3,100	<2,900	100	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	50,000
Fluorene	<3,100	<2,900	87	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	50,000
Phenanthrene	<3,100	<2,900	270	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	50,000
Anthracene	<3,100	<2,900	<2,000	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	50,000
Fluoranthene	<3,100	<2,900	300	<2,600	250	<420	<500	220	<220	<240	<450	<230	50,000
Pyrene	<3,100	<2,900	270	<2,600	<210	<420	<500	8	<220	<240	<450	<230	50,000
Benzo(a)anthracene	<3,100	<2,900	180	<2,600	10	<420	<500	8	<220	<240	<450	<230	224
Chrysene	<3,100	<2,900	260	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	400
Benzo(b)fluoranthene	<3,100	<2,900	290	<2,600	<210	<420	<500	220	<220	<240	<450	<230	220
Benzo(k)fluoranthene	<3,100	<2,900	<2,000	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	220
Benzo(a)pyrene	<3,100	<2,900	150	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	61
Dibenzo(a,h)anthracene	<3,100	<2,900	<2,000	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	14
Benzo(g,h,i)perylene	<3,100	<2,900	200	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	50,000
Ideno(1,2,3-cd)pyrene	<3,100	<2,900	170	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	3,200
Napthalene	<3,100	<2,900	150	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	13,000
All Other Compounds	<3,100	<2,900	340	<2,600	<210	<420	<500	<190	<220	<240	<450	<230	
Sum of Reported Values:	*<3,100*	*<2,900*	*2,767*	*<2,600*	*260*	*<420*	*<500*	*456*	*<220*	*<240*	*<450*	*<230*	
TICs (estimated total conc.)	38,000	23,600	18,400	102,500	None	910	1,040	2,020	None	None	2,700	2,030	
(# of compounds)	9	7	7	10	Found	2	2	2	Found	Found	1	4	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs **EPA Method 8260+MTBE+TBA**	**Bottom 50**	**Bottom 51**	**Bottom 52**	**Bottom 53**	**Bottom 54**	**Bottom 55**	**Bottom 56**	**Bottom 57**	**Bottom 58**	**Bottom 59**	**Bottom 60**	**Bottom 61**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**7.0-8.0**	**8.0**	**3.0-9.0**	**3.0-9.0**	
Benzene	<14	<15	<12	<16	<6	<15	<8	<5	<6	<7	<14	<7	60
Ethylbenzene	<14	<15	<12	<16	<6	<15	<8	<5	<6	<7	<14	<7	5,500
Isopropylbenzene	<14	<15	4	<16	<6	<15	<8	<5	<6	<7	9	<7	2,300
Xylenes (total)	<42	<15	<12	<47	<18	<44	<25	<16	<19	<21	32	<21	1,200
MTBE	<14	<15	<12	4	<6	<15	<8	<5	<6	<7	<14	<7	120
Toluene	<14	<15	<12	<16	<6	<15	<8	<5	<6	<7	<14	<7	1,500
All Other Compounds	634	727	1,197	1,782	27	1,181	50	29	59	77	329	80	
Sum of Reported Values:	*637*	*727*	*1,197*	*1,782*	*27*	*1,181*	*50*	*29*	*59*	*77*	*370*	*80*	
TICs (estimated total conc.)	22	16	428	None	None	17	None	None	None	366	476	31	
(# of compounds)	1	1	10	Found	Found	1	Found	Found	Found	10	10	3	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs **EPA Method 8270 B/N**	**Bottom 62**	**Bottom 63**	**Bottom 64**	**Bottom 65**	**Bottom 66**	**Bottom 67**	**Bottom 68**	**Bottom 69**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**2.0-7.0**	**2.0-7.0**	**2.0-7.0**	**2.0-8.0**	**2.0-8.0**	**2.0-8.0**	**2.0-8.0**	**7.0**	
Acenaphthene	<290	<260	<260	<200	<280	<270	<210	180	50,000
Fluorene	<290	<260	<260	<200	11	<270	<210	90	50,000
Phenanthrene	<290	<260	39	<200	27	<270	<210	62	50,000
Anthracene	<290	<260	<260	<200	<280	<270	<210	<600	50,000
Fluoranthene	<290	380	340	<200	340	<270	<210	28	50,000
Pyrene	<290	<260	44	<200	17	<270	<210	<600	50,000
Benzo(a)anthracene	<290	45	23	8	12	<270	<210	<600	224
Chrysene	<290	41	22	<200	<280	<270	<210	<600	400
Benzo(b)fluoranthene	<290	340	300	<200	<280	<270	<210	<600	220
Benzo(k)fluoranthene	<290	<260	<260	<200	<280	<270	<210	<600	220
Benzo(a)pyrene	<290	370	350	<200	<280	<270	<210	<600	61
Dibenzo(a,h)anthracene	<290	400	380	<200	<280	<270	<210	<600	14
Benzo(g,h,i)perylene	<290	30	15	<200	<280	<270	<210	<600	50,000
Ideno(1,2,3-cd)pyrene	<290	370	360	<200	<280	<270	<210	<600	3,200
Napthalene	<290	<260	10	<200	<280	<270	<210	30	13,000
All Other Compounds	<290	<260	<260	<200	<280	<270	<210	95	
Sum of Reported Values:	*<290*	*1,976*	*1,883*	*8*	*407*	*<270*	*<210*	*485*	
TICs (estimated total conc.)	1,400	240	None	None	870	5,190	7,080	36,090	
(# of compounds)	1	1	Found	Found	3	8	4	18	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs **EPA Method 8260+MTBE+TBA**	**Bottom 62**	**Bottom 63**	**Bottom 64**	**Bottom 65**	**Bottom 66**	**Bottom 67**	**Bottom 68**	**Bottom 69**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**2.0-7.0**	**2.0-7.0**	**2.0-7.0**	**2.0-8.0**	**2.0-8.0**	**2.0-8.0**	**2.0-8.0**	**7.0**	
Benzene	<7	<8	<7	<6	<9	<8	<6	<17	60
Ethylbenzene	<7	<8	<7	<6	<9	<8	<6	<17	5,500
Isopropylbenzene	<7	<8	<7	<6	<9	<8	<6	7	2,300
Xylenes (total)	<22	<23	<22	<18	<26	<24	<18	<52	1,200
MTBE	<7	<8	<7	<6	<9	<8	<6	<17	120
Toluene	<7	<8	<7	<6	<9	<8	<6	<17	1,500
All Other Compounds	78	209	107	57	137	76	237	578	
Sum of Reported Values:	*78*	*209*	*107*	*57*	*137*	*76*	*237*	*585*	
TICs (estimated total conc.)	None	49	26	None	None	None	None	507	
(# of compounds)	Found	2	3	Found	Found	Found	Found	10	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 3	Sidewall 4	Sidewall 5	Sidewall 6	Sidewall 7	Sidewall 8	Sidewall 9	Sidewall 10	Sidewall 11	Sidewall 12	Sidewall 13	Sidewall 14	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.0**	**6.5**	**6.0**	**6.0**	**7.0**	**6.5**	**7.0**	**7.0**	**6.5**	**6.5**	**6.5**	**5.0**	
Acenaphthene	<5,500	<2,200	<2,300	<2,200	<1,400	120	<2,200	240	380	<2,100	<2,000	140	50,000
Fluorene	<5,500	<2,200	<2,300	<2,200	60	220	91	<2,200	93	<2,100	<2,000	160	50,000
Phenanthrene	<5,500	440	97	780	480	3,000	810	560	240	350	290	2,100	50,000
Anthracene	<5,500	100	<2,300	240	180	700	230	190	150	100	99	540	50,000
Fluoranthene	220	810	<2,300	1,100	1,400	6,300	2,000	900	680	650	560	4,400	50,000
Pyrene	300	760	120	960	1,400	5,600	1,900	880	820	610	600	3,600	50,000
Benzo(a)anthracene	**390**	**450**	120	**630**	**880**	**3,500**	**1,400**	**710**	**670**	**460**	**580**	**2,700**	224
Chrysene	<5,500	**420**	<2,300	**520**	**910**	**3,400**	**1,200**	**570**	**590**	**400**	**480**	**2,000**	400
Benzo(b)fluoranthene	**470**	**470**	<2,300	**610**	**1,200**	**3,900**	**1,800**	**1,400**	**1,400**	**860**	**930**	**3,100**	220
Benzo(k)fluoranthene	**240**	**200**	<2,300	**160**	**480**	**1,500**	**790**	<2,200	**370**	<2,100	**320**	**1,000**	220
Benzo(a)pyrene	**400**	**390**	<2,300	**520**	**1,000**	**3,400**	**1,500**	**880**	**1,100**	**480**	**750**	**2,400**	61
Dibenzo(a,h)anthracene	**6,300**	**2,500**	<2,300	**2,600**	**1,800**	**3,700**	**400**	**250**	**350**	**170**	**170**	**510**	14
Benzo(g,h,i)perylene	920	430	130	450	1,000	2,900	1,400	960	1,300	810	780	1,700	50,000
Ideno(1,2,3-cd)pyrene	620	310	<2,300	350	880	2,300	1,300	800	1,100	540	610	1,500	3,200
Napthalene	350	140	960	<2,200	430	460	190	<2,200	180	<2,100	<2,000	<2,300	13,000
All Other Compounds	9,710	2,210	3,140	2,300	2,200	6,280	570	96	340	190	220	520	
Sum of Reported Values:	*19,920*	*9,630*	*4,567*	*11,220*	*14,300*	*47,280*	*15,581*	*8,436*	*9,763*	*5,620*	*6,389*	*26,370*	
TICs (estimated total conc.)	None	None	8,000	None	8,800	5,100	None	None	3,300	None	None	None	
(# of compounds)	Found	Found	2	Found	5	2	Found	Found	2	Found	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Sidewall 3	Sidewall 4	Sidewall 5	Sidewall 6	Sidewall 7	Sidewall 8	Sidewall 9	Sidewall 10	Sidewall 11	Sidewall 12	Sidewall 13	Sidewall 14	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.0**	**6.5**	**6.0**	**6.0**	**7.0**	**6.5**	**7.0**	**7.0**	**6.5**	**6.5**	**6.5**	**5.0**	
Benzene	<7	<6	<8	<7	<6	2	<6	<7	<8	<6	<6	<6	60
Ethylbenzene	<7	<6	<8	<7	<6	<8	<6	<7	<8	<6	<6	<6	5,500
Isopropylbenzene	<7	<6	<8	<7	<6	<8	<6	<7	<8	<6	<6	<6	2,300
Xylenes (total)	<21	<18	<23	<20	<20	<24	<19	<20	<23	<20	<18	<16	1,200
MTBE	<7	<6	<8	<7	<6	<8	<6	<7	<8	<6	<6	<6	120
Toluene	<7	<6	<8	<7	<6	<8	<6	<7	<8	<6	<6	<6	1,500
All Other Compounds	24	42	15	10	56	35	16	14	15	12	14	16	
Sum of Reported Values:	*24*	*42*	*15*	*10*	*56*	*37*	*16*	*14*	*15*	*12*	*14*	*16*	
TICs (estimated total conc.)	115	105	131	None	811	103	None	None	43	None	None	None	
(# of compounds)	10	10	10	Found	10	5	Found	Found	3	Found	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 15	Sidewall 16	Sidewall 17	Sidewall 18	Sidewall 19	Sidewall 20	Sidewall 21	Sidewall 22	Sidewall 23	Sidewall 24	Sidewall 25	Sidewall 26	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.0**	**5.0**	**5.0**	**5.0**	**6.0**	**6.0**	**6.0**	**5.5**	**5.5**	**5.5**	**5.5**	**5.5**	
Acenaphthene	320	96	1,100	860	<190	<200	<180	<2,000	<200	<180	<210	<220	50,000
Fluorene	330	150	2,300	1,100	<190	<200	<180	<2,000	<200	<180	<210	<220	50,000
Phenanthrene	2,400	1,900	8,200	7,300	<190	<200	<180	510	<200	<180	24	26	50,000
Anthracene	760	340	1,600	2,000	<190	<200	<180	450	<200	<180	<210	<220	50,000
Fluoranthene	2,900	3,000	7,900	11,000	<190	<200	<180	4,000	<200	<180	51	60	50,000
Pyrene	2,400	2,400	9,800	8,500	<190	<200	<180	2,600	<200	<180	34	44	50,000
Benzo(a)anthracene	**1,700**	**1,400**	**5,000**	**5,700**	<190	9	<180	**2,400**	<200	10	33	34	224
Chrysene	<2,800	**1,300**	**4,600**	**4,500**	<190	<200	<180	**2,200**	<200	<180	32	35	400
Benzo(b)fluoranthene	**1,900**	**2,000**	**10,000**	**5,900**	<190	<200	<180	**4,000**	<200	<180	47	55	220
Benzo(k)fluoranthene	**620**	**590**	<2,400	**2,200**	<190	<200	<180	<2,000	<200	<180	<210	<220	220
Benzo(a)pyrene	**1,400**	**1,400**	**6,900**	**4,900**	<190	<200	<180	**1,900**	<200	<180	26	29	61
Dibenzo(a,h)anthracene	**350**	**320**	**1,500**	**900**	**16**	14	<180	**400**	<200	<180	<210	<220	14
Benzo(g,h,i)perylene	1,100	1,200	5,100	2,800	<190	<200	<180	880	<200	<180	19	18	50,000
Ideno(1,2,3-cd)pyrene	930	1,000	4,700	2,600	<190	<200	<180	900	<200	<180	17	14	3,200
Napthalene	220	<2,100	210	450	<190	<200	<180	<2,000	<200	<180	<210	<220	13,000
All Other Compounds	1,910	584	51,100	2,380	<190	<200	580	811	15	<180	<210	<220	
Sum of Reported Values:	*19,240*	*17,680*	*120,010*	*63,090*	*16*	*23*	*580*	*21,051*	*15*	*10*	*283*	*315*	
TICs (estimated total conc.)	16,400	9,700	378,000	36,300	420	160	None	1,700	270	220	260	270	
(# of compounds)	5	2	10	2	2	1	Found	1	1	1	1	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Sidewall 15	Sidewall 16	Sidewall 17	Sidewall 18	Sidewall 19	Sidewall 20	Sidewall 21	Sidewall 22	Sidewall 23	Sidewall 24	Sidewall 25	Sidewall 26	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.0**	**5.0**	**5.0**	**5.0**	**6.0**	**6.0**	**6.0**	**5.5**	**5.5**	**5.5**	**5.5**	**5.5**	
Benzene	<8	<7	<6	<10	<5	<5	<5	<6	<6	<5	<6	<10	60
Ethylbenzene	<8	<7	<6	<10	<5	<5	<5	2	<6	<5	<6	<10	5,500
Isopropylbenzene	<8	<7	<6	<10	<5	<5	<5	<6	<6	<5	<6	<10	2,300
Xylenes (total)	<24	<21	<19	<29	<15	<15	<16	5	<17	<16	<18	<28	1,200
MTBE	<8	<7	<6	<10	<5	<5	<5	<6	<6	<5	<6	<10	120
Toluene	<8	<7	<6	<10	<5	<5	<5	<6	<6	<5	<6	<10	1,500
All Other Compounds	13	45	10	516	47	44	14	9	9	11	35	72	
Sum of Reported Values:	*13*	*45*	*10*	*516*	*47*	*44*	*14*	*16*	*9*	*11*	*35*	*72*	
TICs (estimated total conc.)	None	None	1,720	334	66	None	6	31	None	6	None	12	
(# of compounds)	Found	Found	10	10	6	Found	1	3	Found	1	Found	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 27	Sidewall 28	Sidewall 29	Sidewall 30	Sidewall 31	Sidewall 32	Sidewall 33	Sidewall 34	Sidewall 35	Sidewall 36	Sidewall 37	Sidewall 38	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.5**	**5.5**	**5.5**	**4.0**	**4.0**	**4.0**	**3.5**	**7.0**	**7.0**	**7.0**	**4.0**	**6.0**	
Acenaphthene	<6,900	<600	<200	<4,800	<480	<910	<1,000	<180	<180	<190	<180	<190	50,000
Fluorene	<6,900	<600	<200	<4,800	<480	<910	<1,000	<180	<180	<190	<180	<190	50,000
Phenanthrene	<6,900	<600	94	<4,800	<480	<910	360	<180	<180	<190	<180	<190	50,000
Anthracene	<6,900	<600	53	<4,800	<480	<910	140	<180	<180	<190	<180	<190	50,000
Fluoranthene	<6,900	<600	410	<4,800	<480	130	840	<180	<180	<190	<180	12	50,000
Pyrene	510	<600	300	210	<480	<910	800	<180	<180	<190	<180	9	50,000
Benzo(a)anthracene	**460**	<600	220	**290**	<480	92	**590**	<180	<180	8	<180	10	224
Chrysene	**410**	<600	220	<4,800	<480	76	**570**	<180	<180	<190	<180	<190	400
Benzo(b)fluoranthene	**840**	<600	**310**	**350**	<480	130	**1,100**	<180	<180	<190	<180	8	220
Benzo(k)fluoranthene	<6,900	<600	110	<4,800	<480	<910	<1,000	<180	<180	<190	<180	<190	220
Benzo(a)pyrene	**430**	<600	**190**	**300**	<480	**93**	**520**	<180	<180	<190	<180	<190	61
Dibenzo(a,h)anthracene	<6,900	<600	**43**	<4,800	<480	<910	**130**	<180	<180	<190	<180	<190	14
Benzo(g,h,i)perylene	420	<600	120	470	<480	76	440	<180	<180	<190	<180	<190	50,000
Ideno(1,2,3-cd)pyrene	310	<600	110	<4,800	<480	<910	380	<180	<180	<190	<180	<190	3,200
Napthalene	<6,900	<600	14	<4,800	<480	<910	73	<180	<180	<190	<180	<190	13,000
All Other Compounds	<6,900	<600	183	310	182	155	410	8	9	9	9	<190	
Sum of Reported Values:	*3,380*	*<600*	*2,377*	*1,930*	*182*	*752*	*6,353*	*8*	*9*	*9*	*9*	*39*	
TICs (estimated total conc.)	63,300	6,450	200	70,000	7,510	None	None	1,590	190	150	260	240	
(# of compounds)	9	9	1	1	3	Found	Found	2	1	1	1	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Sidewall 27	Sidewall 28	Sidewall 29	Sidewall 30	Sidewall 31	Sidewall 32	Sidewall 33	Sidewall 34	Sidewall 35	Sidewall 36	Sidewall 37	Sidewall 38	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**5.5**	**5.5**	**5.5**	**4.0**	**4.0**	**4.0**	**3.5**	**7.0**	**7.0**	**7.0**	**4.0**	**6.0**	
Benzene	<10	<20	<6	57	<18	2	<7	<5	<5	<5	<5	<5	60
Ethylbenzene	<10	<20	<6	<23	<18	<5	<7	<5	<5	<5	<5	<5	5,500
Isopropylbenzene	<10	<20	<6	<23	<18	<5	<7	<5	<5	<5	<5	<5	2,300
Xylenes (total)	<29	<61	<19	<23	<53	<16	<21	<16	<15	<16	<16	<15	1,200
MTBE	<10	<20	<6	<23	<18	<5	<7	<5	<5	<5	<5	<5	120
Toluene	<10	<20	<6	<23	<18	<5	<7	<5	<5	<5	<5	<5	1,500
All Other Compounds	13	421	15	78	95	33	34	26	35	30	16	29	
Sum of Reported Values:	*13*	*421*	*15*	*135*	*95*	*35*	*34*	*26*	*35*	*30*	*16*	*29*	
TICs (estimated total conc.)	74	24	None	32	None	None	None	None	None	None	None	None	
(# of compounds)	6	1	Found	1	Found	Found	Found	Found	Found	Found	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs **EPA Method 8270 B/N**	**Sidewall 39**	**Sidewall 40**	**Sidewall 41**	**Sidewall 42**	**Sidewall 43**	**Sidewall 44**	**Sidewall 45**	**Sidewall 46**	**Sidewall 47**	**Sidewall 48**	**Sidewall 49**	**Sidewall 50**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**6.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.0**	**6.0**	**6.0**	**6.0**	**7.0**	**7.0**	
Acenaphthene	<180	NA	NA	NA	NA	NA	<220	<200	<190	<1,200	13	<1,500	50,000
Fluorene	<180	NA	NA	NA	NA	NA	<220	<200	<190	<1,200	<210	<1,500	50,000
Phenanthrene	7	NA	NA	NA	NA	NA	110	<200	27	130	19	320	50,000
Anthracene	<180	NA	NA	NA	NA	NA	<220	<200	<190	<1,200	<210	<1,500	50,000
Fluoranthene	15	NA	NA	NA	NA	NA	120	<200	32	100	32	530	50,000
Pyrene	13	NA	NA	NA	NA	NA	97	<200	32	110	31	430	50,000
Benzo(a)anthracene	12	NA	NA	NA	NA	NA	36	<200	14	83	30	**270**	224
Chrysene	<180	NA	NA	NA	NA	NA	60	<200	16	<1,200	19	260	400
Benzo(b)fluoranthene	13	NA	NA	NA	NA	NA	73	<200	17	<1,200	30	440	220
Benzo(k)fluoranthene	<180	NA	NA	NA	NA	NA	25	<200	8	<1,200	10	<1,500	220
Benzo(a)pyrene	<180	NA	NA	NA	NA	NA	44	<200	<190	<1,200	<210	**260**	61
Dibenzo(a,h)anthracene	<180	NA	NA	NA	NA	NA	<220	<200	<190	<1,200	<210	<1,500	14
Benzo(g,h,i)perylene	<180	NA	NA	NA	NA	NA	36	<200	<190	<1,200	16	210	50,000
Ideno(1,2,3-cd)pyrene	<180	NA	NA	NA	NA	NA	39	<200	10	<1,200	16	160	3,200
Napthalene	<180	NA	NA	NA	NA	NA	<220	<200	<190	<1,200	<210	<1,500	13,000
All Other Compounds	<180	NA	NA	NA	NA	NA	9	<200	<190	73	48	<1,500	
Sum of Reported Values:	*60*	*NA*	*NA*	*NA*	*NA*	*NA*	*649*	*<200*	*156*	*496*	*264*	*2,880*	
TICs (estimated total conc.)	150	NA	NA	NA	NA	NA	None	270	930	2,500	1,670	None	
(# of compounds)	1	NA	NA	NA	NA	NA	Found	1	5	2	5	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs **EPA Method 8260+MTBE+TBA**	**Sidewall 39**	**Sidewall 40**	**Sidewall 41**	**Sidewall 42**	**Sidewall 43**	**Sidewall 44**	**Sidewall 45**	**Sidewall 46**	**Sidewall 47**	**Sidewall 48**	**Sidewall 49**	**Sidewall 50**	**NYSDEC TAGM 4046**
Composite Sample Collection Depth (ft.)	**6.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**5.0**	**6.0**	**6.0**	**6.0**	**7.0**	**7.0**	
Benzene	<5	NA	NA	NA	NA	NA	<6	<6	<6	<6	<6	<8	60
Ethylbenzene	<5	NA	NA	NA	NA	NA	<6	<6	<6	<6	<6	<8	5,500
Isopropylbenzene	<5	NA	NA	NA	NA	NA	<6	<6	<6	<6	<6	<8	2,300
Xylenes (total)	<15	NA	NA	NA	NA	NA	<19	<17	<17	<19	<18	<25	1,200
MTBE	<5	NA	NA	NA	NA	NA	<6	<6	<6	<6	<6	<8	120
Toluene	<5	NA	NA	NA	NA	NA	<6	<6	<6	<6	<6	<8	1,500
All Other Compounds	15	NA	NA	NA	NA	NA	41	22	28	60	86	84	
Sum of Reported Values:	*15*	*NA*	*NA*	*NA*	*NA*	*NA*	*41*	*22*	*28*	*60*	*86*	*84*	
TICs (estimated total conc.)	None	NA	NA	NA	NA	NA	17	6	1,060	181	157	207	
(# of compounds)	Found	NA	NA	NA	NA	NA	2	1	10	10	10	10	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 51	Sidewall 52	Sidewall 53	Sidewall 54	Sidewall 55	Sidewall 56	Sidewall 57	Sidewall 58	Sidewall 59	Sidewall 60	Sidewall 61	Sidewall 62	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**8.0**	**8.0**	**7.0**	**8.0**	**8.0**	**8.0**	**10.0**	**10.0**	**9.0**	**9.0**	**9.0**	**7.0**	
Acenaphthene	<210	<190	<200	170	380	100	<2,100	<1,00	<200	<990	<190	<260	50,000
Fluorene	<210	<190	<200	310	350	120	<2,100	<1,00	<200	<990	<190	<260	50,000
Phenanthrene	<210	10	<200	2,000	2,700	1,200	460	160	9	180	63	51	50,000
Anthracene	<210	<190	<200	520	940	370	140	<1,00	<200	45	<190	11	50,000
Fluoranthene	10	61	<200	2,800	3,200	1,500	3,300	1,400	230	1,400	250	360	50,000
Pyrene	<210	64	<200	2,000	2,600	1,300	1,100	260	<200	250	44	60	50,000
Benzo(a)anthracene	12	62	<200	**1,400**	**1,600**	**890**	**800**	190	9	190	31	41	224
Chrysene	<210	65	<200	**1,200**	**1,100**	**710**	**660**	180	<200	130	66	27	400
Benzo(b)fluoranthene	<210	130	<200	**2,000**	**2,200**	**1,200**	**3,300**	**1,400**	<200	**1,300**	**240**	**320**	220
Benzo(k)fluoranthene	<210	<190	<200	<1,100	<2,200	<2,300	<2,100	<1,00	<200	<990	<190	<260	220
Benzo(a)pyrene	<210	90	<200	**1,300**	**1,400**	**740**	**3,200**	**1,400**	<200	**1,400**	**260**	**360**	61
Dibenzo(a,h)anthracene	<210	**16**	<200	**240**	**260**	<2,300	**3,200**	**1,500**	<200	**1,500**	**290**	**390**	14
Benzo(g,h,i)perylene	<210	68	<200	880	880	540	590	150	<200	<990	<190	14	50,000
Ideno(1,2,3-cd)pyrene	<210	66	<200	810	880	460	3,100	1,400	<200	1,400	270	360	3,200
Napthalene	<210	<190	<200	68	230	<2,300	110	<1,00	12	63	10	<260	13,000
All Other Compounds	<210	<190	<200	433	690	434	*494*	42	246	1,300	241	0	
Sum of Reported Values:	*22*	*632*	*<200*	*16,131*	*19,410*	*9,564*	*20,454*	*8,082*	*506*	*9,158*	*1,765*	*1,994*	
TICs (estimated total conc.)	250	280	280	None	None	None	None	9,360	None	None	550	230	
(# of compounds)	1	1	1	Found	Found	Found	Found	6	Found	Found	3	1	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Sidewall 51	Sidewall 52	Sidewall 53	Sidewall 54	Sidewall 55	Sidewall 56	Sidewall 57	Sidewall 58	Sidewall 59	Sidewall 60	Sidewall 61	Sidewall 62	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**8.0**	**8.0**	**7.0**	**8.0**	**8.0**	**8.0**	**10.0**	**10.0**	**9.0**	**9.0**	**9.0**	**7.0**	
Benzene	<6	<5	<6	<7	<6	<6	<6	<6	<6	<6	<5	<8	60
Ethylbenzene	<6	<5	<6	<7	<6	<6	<6	<6	<6	<6	<5	<8	5,500
Isopropylbenzene	<6	<5	<6	<7	<6	<6	<6	<6	<6	<6	<5	<8	2,300
Xylenes (total)	<17	<16	<19	<20	<18	<17	<18	<17	<17	<17	<16	<23	1,200
MTBE	<6	<5	<6	<7	<6	<6	<6	<6	<6	<6	<5	<8	120
Toluene	<6	<5	<6	<7	<6	<6	<6	<6	<6	<6	<5	<8	1,500
All Other Compounds	45	63	68	13	65	7	25	18	44	20	17	214	
Sum of Reported Values:	*45*	*63*	*68*	*13*	*65*	*7*	*25*	*18*	*44*	*20*	*17*	*214*	
TICs (estimated total conc.)	48	90	23	62	None	None	None	None	None	137	13	None	
(# of compounds)	6	7	3	5	Found	Found	Found	Found	Found	10	2	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 63	Sidewall 64	Sidewall 65	Sidewall 66	Sidewall 67	Sidewall 68	Sidewall 69	Sidewall 70	Sidewall 71	Sidewall 72	Sidewall 73	Sidewall 74	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**7.0**	**8.0**	**8.0**	**8.0**	**8.0**	**10.0**	**12.0**	**14.0**	**7.0**	**7.0**	**7.0**	
Acenaphthene	240	25	68	<220	56	<250	150	820	920	<180	<990	960	50,000
Fluorene	230	23	65	<220	380	<250	150	970	1,200	<180	99	1,300	50,000
Phenanthrene	1,400	170	160	<220	3,800	26	2,100	12,000	5,400	65	720	4,800	50,000
Anthracene	300	35	35	<220	1,700	14	660	2,800	310	<180	440	<260	50,000
Fluoranthene	3,800	570	650	<220	14,000	330	5,800	16,000	380	160	4,100	280	50,000
Pyrene	1,900	250	260	<220	9,800	43	3,500	13,000	480	190	3,800	580	50,000
Benzo(a)anthracene	**1,100**	140	150	<220	**7,400**	26	2,100	7,100	51	110	**2,600**	140	224
Chrysene	**1,000**	140	160	<220	**5,300**	22	**1,800**	**6,400**	72	160	**2,300**	160	400
Benzo(b)fluoranthene	**3,100**	**480**	**610**	<220	**6,600**	**300**	**4,500**	**11,000**	**300**	210	**4,600**	160	220
Benzo(k)fluoranthene	**380**	**<310**	**<390**	<220	**1,900**	<250	<2,100	<5,000	**260**	<180	<990	<260	220
Benzo(a)pyrene	**3,200**	**500**	**600**	<220	**5,000**	**340**	**3,800**	**8,000**	**340**	**94**	**2,300**	**86**	61
Dibenzo(a,h)anthracene	**2,900**	**480**	**600**	<220	**2,100**	**380**	**3,300**	**4,700**	<260	**24**	**210**	<260	14
Benzo(g,h,i)perylene	800	<310	120	<220	3,100	<250	1,300	4,900	<260	72	1,500	71	50,000
Ideno(1,2,3-cd)pyrene	3,000	480	600	<220	**3,500**	350	**3,600**	**6,500**	350	70	1,500	64	3,200
Napthalene	300	44	380	<220	45	<250	<2,100	110	<260	23	160	180	13,000
All Other Compounds	3,520	497	386	0	1,919	0	440	2,090	770	107	1,590	18,120	
Sum of Reported Values:	*27,170*	*3,834*	*4,844*	*0*	*66,600*	*1,831*	*33,200*	*96,390*	*10,833*	*1,285*	*25,919*	*26,901*	
TICs (estimated total conc.)	125,620	750	22,800	None	12,550	2,170	None	6,700	61,100	11,820	None	101,200	
(# of compounds)	9	2	9	Found	8	7	Found	2	10	0	Found	20	

All values reported in ug/kg (ppb). Values in **bold** meet or exceed TAGM 4046 guidelines
TICs = Tentatively Identified Compounds

VOCs EPA Method 8260+MTBE+TBA	Sidewall 63	Sidewall 64	Sidewall 65	Sidewall 66	Sidewall 67	Sidewall 68	Sidewall 69	Sidewall 70	Sidewall 71	Sidewall 72	Sidewall 73	Sidewall 74	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**7.0**	**8.0**	**8.0**	**8.0**	**8.0**	**10.0**	**12.0**	**14.0**	**7.0**	**7.0**	**7.0**	
Benzene	<11	<7	<11	<6	<5	<7	<6	<6	<37	<5	<6	<6	60
Ethylbenzene	<11	<7	<11	<6	<5	<7	<6	<6	<37	<5	<6	<6	5,500
Isopropylbenzene	<11	<7	<11	<6	<5	<7	<6	<6	<37	<5	<6	<6	2,300
Xylenes (total)	<33	<22	<34	<19	<16	<20	<17	<19	<110	<16	<17	<17	1,200
MTBE	<11	<7	<11	<6	<5	<7	<6	<6	<37	<5	<6	<6	120
Toluene	<11	<7	<11	<6	<5	<7	<6	<6	<37	<5	<6	<6	1,500
All Other Compounds	15	128	231	63	14	103	18	19	327	27	15	33	
Sum of Reported Values:	*15*	*128*	*231*	*63*	*14*	*103*	*18*	*19*	*327*	*27*	*15*	*33*	
TICs (estimated total conc.)	3,450	138	237	None	None	247	14	None	12,260	62	24	1,608	
(# of compounds)	10	10	10	Found	Found	10	2	Found	10	6	3	10	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 2 - Summary of Soil Sample Analytical Results; Confirmation Samples Continued
(Samples Collected June2007 through September 2007)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

See Site Map for Sample Locations

SVOCs EPA Method 8270 B/N	Sidewall 75	Sidewall 76	Sidewall 77	Sidewall 78	Sidewall 79	Sidewall 80	Sidewall 81	Sidewall 82	Sidewall 83	Sidewall 84	Sidewall 85	Sidewall 86	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**7.0**	**7.0**	**7.0**	**8.0**	**8.0**	**8.0**	**10.0**	**10.0**	**10.0**	**12.0**	**12.0**	
Acenaphthene	42	20,000	<180	7,600	<920	55	<880	210	<970	<900	<1,100	<240	50,000
Fluorene	<740	23,000	<180	11,000	150	110	<880	450	<970	<900	<1,100	<240	50,000
Phenanthrene	94	**120,000**	28	39,000	460	180	<880	1,200	140	<900	570	82	50,000
Anthracene	<740	<1,000	<180	<1,400	170	16	<880	<1,000	<970	<900	100	18	50,000
Fluoranthene	38	1,600	13	1,800	500	16	78	500	130	66	890	180	50,000
Pyrene	41	7,400	12	4,200	480	15	76	420	150	200	730	140	50,000
Benzo(a)anthracene	<740	**710**	10	**660**	**290**	14	79	130	97	69	**440**	110	224
Chrysene	<740	**1,300**	<180	**1,300**	280	8	48	180	53	<900	**520**	74	400
Benzo(b)fluoranthene	<740	**330**	12	**720**	**550**	16	80	130	130	97	**790**	150	220
Benzo(k)fluoranthene	<740	<1,000	<180	**230**	180	<180	38	67	39	<900	<1,100	<240	220
Benzo(a)pyrene	<740	**150**	<180	**410**	**400**	<180	**64**	**96**	**120**	**72**	**480**	**96**	61
Dibenzo(a,h)anthracene	<740	<1,000	<180	**140**	**120**	<180	<880	<1,000	<970	<900	**83**	**17**	14
Benzo(g,h,i)perylene	<740	140	<180	320	460	<180	63	100	100	80	270	54	50,000
Ideno(1,2,3-cd)pyrene	<740	<1,000	<180	320	380	<180	56	73	90	54	270	54	3,200
Napthalene	64	<1,000	<180	1,900	150	23	<880	250	55	<900	<1,100	<240	13,000
All Other Compounds	200	580,000	44	130,000	1,090	302	57	6,400	277	<900	1,078	29	
Sum of Reported Values:	*479*	*754,630*	*119*	*199,600*	*5,660*	*755*	*639*	*10,206*	*1,381*	*638*	*6,221*	*1,004*	
TICs (estimated total conc.)	35,040	676,000	1,580	591,000	28,760	8,580	720	61,100	9,160	None	None	None	
(# of compounds)	17	19	3	20	19	19	1	17	5	Found	Found	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	Sidewall 75	Sidewall 76	Sidewall 77	Sidewall 78	Sidewall 79	Sidewall 80	Sidewall 81	Sidewall 82	Sidewall 83	Sidewall 84	Sidewall 85	Sidewall 86	NYSDEC TAGM 4046
Composite Sample Collection Depth (ft.)	**7.0**	**7.0**	**7.0**	**7.0**	**8.0**	**8.0**	**8.0**	**10.0**	**10.0**	**10.0**	**12.0**	**12.0**	
Benzene	<19	<100	<5	<6	<5	<6	<5	<5	<6	<5	<6	<7	60
Ethylbenzene	<19	<100	<5	<6	<5	<6	<5	<5	<6	<5	<6	<7	5,500
Isopropylbenzene	<19	220	<5	3	<5	<6	<5	<5	<6	<5	<6	<7	2,300
Xylenes (total)	<56	<310	<16	<17	<15	<17	<16	<16	<17	<16	<17	<20	1,200
MTBE	<19	<100	<5	<6	<5	<6	<5	<5	<6	<5	<6	<7	120
Toluene	<19	<100	<5	<6	<5	<6	<5	<5	<6	<5	<6	<7	1,500
All Other Compounds	120	5,318	52	224	106	39	30	46	25	24	46	33	
Sum of Reported Values:	*120*	*5,538*	*52*	*224*	*106*	*39*	*30*	*46*	*25*	*24*	*46*	*33*	
TICs (estimated total conc.)	1,100	51,200	893	3,720	1,108	400	148	1,844	127	123	8	None	
(# of compounds)	10	10	10	10	10	10	10	10	10	8	1	Found	

All values reported in ug/kg (ppb).
TICs = Tentatively Identified Compounds

Table 3 - Summary of Groundwater Analytical Results Continued

(Samples Collected November 28,2007)

NYSDEC Region 6 - Ogdensburg - Lighthouse Point

Route 68; Ogdensburg, New York

NYSDEC Spill No. 0103685; PIN 03276

SVOC Compounds EPA 8270 B/N	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A	MW-6A	MW-7A	MW - 8A	MW-!0A (GT-3)	NYSDEC Groundwater Standard
Acenaphthene	ND	ND	0.8	0.2	2.0	ND	ND	ND	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
Anthracene	ND	ND	0.4	ND	ND	ND	ND	ND	ND	50
Benzo (a) anthracene	ND	ND	1.0	ND	ND	ND	ND	ND	ND	0.002
Benzo (b) fluoranthene	ND	ND	0.8	ND	ND	ND	ND	ND	ND	0.002
Benzo (k) fluoranthene	ND	ND	0.3	ND	ND	ND	ND	ND	ND	0.002
Benzo (g,h,I) perylene	ND	ND	0.4	ND	ND	ND	ND	ND	ND	0.002
Benzo (a) pyrene	ND	ND	0.6	ND	ND	ND	ND	ND	ND	0.002
Chrysene	ND	ND	0.8	ND	ND	ND	ND	ND	ND	0.002
Dibenz (a,h) anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Fluoranthene	ND	ND	2.0	ND	ND	ND	0.4	ND	ND	50
Fluorene	ND	ND	ND	ND	2.0	ND	ND	ND	ND	50
Indeno (1,2,3-cd) pyrene	ND	ND	0.4	ND	ND	ND	ND	ND	ND	0.002
Phenanthrene	ND	ND	0.9	ND	1.0	ND	ND	ND	ND	50
Pyrene	ND	ND	1.0	ND	ND	ND	ND	ND	ND	60
All other Compounds	ND	ND	ND	6.0	1.9	19.0	0.9	0.9	0.7	
Total SVOCs	ND	ND	9.4	6.2	6.9	ND	1.3	0.9	0.7	
TICs (estimated total conc.)	106.0	63.0	242.0	48.0	76.0	173.0	218.0	31.0	169.0	
(# of compounds)	4.0	6.0	9.0	3.0	8.0	6.0	8.0	4.0	8.0	

8015 Petroleum Organics	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A	MW-6A	MW-7A	MW - 8A	MW-!0A (GT-3)
Gasoline Range Organics (GRO)	ND	ND	ND	ND	14.0	17.0	420.0	12.0	ND
Diesel Range Organics (DRO)	ND	ND	530.0	ND	620.0	680.0	1100.0	ND	ND

All values in ug/l.

Values in bold exceed NYSDEC Groundwater Standards

NA - Not Available.

ND - Non-Detect

NR - Not Reported by Laboratory

Table 3 - Summary of Groundwater Analytical Results

(Samples Collected November 28,2007)

NYSDEC Region 6 - Ogdensburg - Lighthouse Point

Route 68; Ogdensburg, New York

NYSDEC Spill Number; 0103685 PIN; 03276

VOC Compounds EPA 8260 +MTBE+TBA	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A	MW-6A	MW-7A	MW-8A	MW-10A (GT-3)	NYSDEC Groundwater Standard
Benzene	ND	ND	ND	ND	ND	ND	**0.76**	ND	ND	0.7
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
Naphthalene	ND	ND	ND	ND	ND	1.70	ND	ND	ND	10
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
TBA	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
All Other Compounds	ND	ND	ND	2.90	ND	ND	**29.03**	0.92		5
Sum of Reported Values	ND	ND	ND	2.90	ND	1.70	29.79	0.92	ND	
TICs (estimated total conc.)	4.00	4.00	None	5.00	46.00	80.00	199.00	3.00	None	
(# of compounds)	1.00	1.00	Found	1.00	9.00	9.00	9.00	1.00	Found	

Petroleum Products NYSDOH 310-13	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A	MW-6A	MW-7A	MW-8A	MW-10A (GT-3)
Fuel Oil #2	ND	ND	530.00	ND	620.00	680.00	1100.00	ND	ND
Fuel Oil #4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fuel Oil #6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Gasoline	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kerosene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Motor Oil	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sum of Reported Values	ND	ND	530.00	ND	620.00	680.00	1100.00	ND	ND

All values in ug/l.
Values in bold exceed NYSDEC Groundwater Standards
NA - Not Analyzed NR - Not Reported
ND - Non-Detect
NS - Not Sampled

Table 4- Summary of Groundwater Elevations

NYSDEC Region 6 - Fort La Presentation (Lighthouse Point)
NYS Route 68, Ogdensburg, NY
NYSDEC Spill No. 0103685 ; PIN 03276

Date	MW-1A	MW-2A	MW-3A	MW-4A	MW-5A	MW-6A	MW-7A	MW-8A	MW-10A
Top-of-Casing:	*100.24*	*100.89*	*102.08*	*102.69*	*102.26*	*101.25*	*102.52*	*102.30*	*99.90*
11/28/07	94.65	95.75	96.61	98.38	99.45	94.81	95.29	94.83	94.36

Top-of -Casing survey conducted 11/28/07

All figures in feet.
NA - Not available.

Table 5 - Summary of Soil Sample Analytical; Staging Area Confirmation Samples
Collected September 19, 2007
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

SVOCs EPA Method 8270 B/N	**ST 1**	**ST 2**	**ST 3**	**ST 4**	**ST 5**	**NYSDEC TAGM 4046**
Acenaphthene	8	<180	<180	<180	<990	50,000
Fluorene	10	<180	<180	<180	52	50,000
Phenanthrene	83	14	<180	<180	490	50,000
Anthracene	23	<180	<180	<180	110	50,000
Fluoranthene	120	18	<180	<180	640	50,000
Pyrene	120	18	<180	<180	540	50,000
Benzo(a)anthracene	78	18	<180	<180	**330**	224
Chrysene	68	13	<180	<180	280	400
Benzo(b)fluoranthene	91	24	<180	<180	**330**	220
Benzo(k)fluoranthene	26	<180	<180	<180	98	220
Benzo(a)pyrene	**64**	11	<180	<180	**240**	61
Dibenzo(a,h)anthracene	11	<180	<180	<180	**44**	14
Benzo(g,h,i)perylene	46	22	<180	<180	190	50,000
Ideno(1,2,3-cd)pyrene	37	11	<180	<180	150	3,200
Napthalene	15	10	<180	<180	<990	13,000
All Other Compounds	49	22	<180	<180	44	
Sum of Reported Values:	*849*	*181*	*<180*	*<180*	*3,538*	
TICs (estimated total conc.)	None	420	180	None	1,100	
(# of compounds)	Found	2	1	Found	1	

All values reported in ug/kg (ppb)
TICs = Tentatively Identified Compounds

Values in **bold** meet or exceed TAGM 4046 guidelines

VOCs EPA Method 8260+MTBE+TBA	**ST 1**	**ST 2**	**ST 3**	**ST 4**	**ST 5**	**NYSDEC TAGM 4046**
Benzene	<5	<5	<5	<5	<6	60
Ethylbenzene	<5	<5	<5	<5	<6	5,500
Isopropylbenzene	<5	<5	<5	<5	<6	2,300
Xylenes (total)	<16	<15	<15	<15	<17	1,200
MTBE	<5	<5	<5	<5	<6	120
Toluene	<5	<5	<5	<5	<6	1,500
All Other Compounds	25	8	20	24	26	
Sum of Reported Values:	*25*	*8*	*20*	*24*	*26*	
TICs (estimated total conc.)	None	None	None	None	None	
(# of compounds)	Found	Found	Found	Found	Found	

All values reported in ug/kg (ppb)
TICs = Tentatively Identified Compounds

Table 6 - Summary of Carbon Treatment System Analytical Results

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York
Spill: 01-03685 PIN; 03276

		SW8260B								SW8270C					
Location	**Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**Naphthalene**	**MTBE**	**Total VOCs**	**TICs**	**Anthracene**	**Acenaphthene**	**Acenaphthylene**	**Benzo(a)anthracene**	**Total SVOCs**	**TICs**
Influent	5/15/07	1	ND	2	10.5	4.2	ND	28	64.6	ND	ND	ND	ND	ND	123.1
	5/17/07	7.1	ND	ND	13.2	ND	ND	27	245	ND	ND	ND	ND	ND	140.9
	5/22/07	ND	ND	5.6	12.5	3.9	ND	50.8	223	ND	ND	ND	ND	ND	150.2
	5/24/07	ND	ND	2	20.9	ND	ND	62.2	413	ND	ND	ND	ND	ND	116.6
	5/29/07	ND	ND	2	9.5	ND	ND	14.7	25.5	ND	ND	ND	ND	ND	93
	5/31/07	ND	ND	ND	ND	ND	ND	11	202	ND	ND	ND	ND	ND	342.1
	6/5/07	ND	ND	ND	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	345.3
	6/7/07	ND	ND	ND	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	468.9
	6/12/07	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	119.6
	6/14/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	177.4
	6/19/07	ND	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	ND	254.6
	6/21/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	301.4
	6/26/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	33
	6/28/07	3	ND	3.1	3.8	4.3	ND	13.1	7.8	ND	ND	ND	ND	ND	179.1
	7/10/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	242.8
	7/12/07	ND	ND	ND	ND	4	ND	ND	NF	ND	ND	ND	ND	ND	153.3
	7/17/07	ND	31	13	430	5.4	ND	975.4	1,249	ND	2	ND	ND	2	835.4
	7/19/07	ND	ND	ND	11	6.5	ND	41.3	81	ND	ND	ND	ND	ND	473.5
	7/26/07	ND	ND	ND	5	3.2	ND	8.2	NF	ND	ND	ND	ND	ND	235
	7/31/07	ND	ND	ND	5	3.2	ND	8.2	NF	ND	ND	ND	ND	ND	5.4
	8/2/07	ND	ND	ND	8.2	3.5	ND	13.7	52.2	ND	ND	ND	ND	ND	18.8
	8/9/07	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	NF
	8/14/07	ND	ND	ND	ND	4.1	ND	6.1	4.9	ND	ND	ND	ND	ND	53.2
	8/16/07	ND	ND	ND	3.4	4	ND	9.4	1.3	ND	ND	ND	ND	ND	134
	8/21/07	ND	ND	ND	ND	ND	ND	2	3.4	ND	ND	ND	ND	ND	19.6
	8/23/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	322
	8/28/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	102.6
	8/30/07	ND	ND	ND	1	ND	ND	1	17.4	ND	ND	ND	ND	ND	298.8
	9/4/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	71.6
	9/6/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	44.5
	9/11/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	33.6
	9/13/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	127.6
	9/18/07	ND	ND	2	ND	3	ND	9	120.7	ND	ND	ND	ND	1	75.3

All values for VOCs/SVOCs in ug/l (ppb) ND - Not Detected above method detection limit NF - None Found
NA - Not Applicable NS - Not Sampled

Table 6 - Summary of Carbon Treatment System Analytical Results

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York
Spill: 01-03685 PIN; 03276

		SW8260B								SW8270C					
Location	**Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**Naphthalene**	**MTBE**	**Total VOCs**	**TICs**	**Anthracene**	**Acenaphthene**	**Acenaphthylene**	**Benzo(a)anthracene**	**Total SVOCs**	**TICs**
Between	5/15/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	37.1
	5/17/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	10
	5/22/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	77
	5/24/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	81.2
	5/29/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	13
	5/31/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	37.4
	6/5/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	31.9
	6/7/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	7.9
	6/12/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	6
	6/14/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	10.7
	6/19/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	27.5
	6/21/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	20
	6/26/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	9.7
	6/28/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	3.3
	7/10/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	82
	7/12/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	48.1
	7/17/07	ND	ND	2	4	ND	ND	8	NF	ND	ND	ND	ND	ND	20
	7/19/07	ND	ND	ND	ND	5.1	ND	14.2	NF	ND	ND	ND	ND	ND	3.4
	7/26/07	ND	ND	ND	5	ND	ND	5	NF	ND	ND	ND	ND	ND	9.7
	7/31/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/2/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/9/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/14/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	61.2
	8/16/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	42
	8/21/07	ND	ND	ND	ND	ND	ND	1	NF	ND	ND	ND	ND	ND	9.6
	8/23/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	49.4
	8/28/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	121.5
	8/30/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	157.6
	9/4/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	30.4
	9/6/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	81.4
	9/11/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	6.6
	9/13/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	11
	9/18/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	71.7

All values for VOCs/SVOCs in ug/l (ppb)

ND - Not Detected above method detection limit
NA - Not Applicable
NF - None Found
NS - Not Sampled

Table 6 - Summary of Carbon Treatment System Analytical Results

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York
Spill: 01-03685 PIN; 03276

		SW8260B								SW8270C					
Location	**Date**	**Benzene**	**Toluene**	**Ethylbenzene**	**Total Xylenes**	**Naphthalene**	**MTBE**	**Total VOCs**	**TICs**	**Anthracene**	**Acenaphthene**	**Acenaphthylene**	**Benzo(a)anthracene**	**Total SVOCs**	**TICs**
Effluent	5/15/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	4.2
	5/17/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	22.1
	5/22/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	44
	5/24/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	33.1
	5/29/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	129
	5/31/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	44.9
	6/5/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	28
	6/7/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	6/12/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	14
	6/14/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	23.7
	6/19/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	16.1
	6/21/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	20
	6/26/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	8
	6/28/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	3.2
	7/10/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	2
	7/12/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	111.6
	7/17/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	20
	7/19/07	ND	ND	ND	ND	3.5	ND	ND	NF	ND	ND	ND	ND	ND	4.4
	7/26/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	7/31/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/2/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/9/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	NF
	8/14/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	252
	8/16/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	35.7
	8/21/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	12.3
	8/23/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	22.1
	8/28/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	13.9
	8/30/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	61.8
	9/4/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	29.1
	9/6/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	56.5
	9/11/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	16.3
	9/13/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	39.4
	9/18/07	ND	ND	ND	ND	ND	ND	ND	NF	ND	ND	ND	ND	ND	76.1

All values for VOCs/SVOCs in ug/l (ppb)

ND - Not Detected above method detection limit
NA - Not Applicable
NF - None Found
NS - Not Sampled

Table 7 - Summary of Endpoint Sample Field Analysis
Excavation Sidewall Samples

NYSDEC Region 6 - Fort La Presentation (Lighthouse Point)
NYS Route 68, Ogdensburg, NY
NYSDEC Spill No. 0103685 ; PIN 03276

Date	Sample ID	Depth (feet)	Petroleum Odor	Petroleum Staining	Petroleum Sheen*	Headspace Analysis
10/17/06	**SW1**	**5.0**	**NI**	**NI**	**NI**	**1.3**
10/17/06	SW2	4.5	NI	NI	NI	0.0
6/8/07	SW3	5.0	NI	NI	NI	0.8
6/8/07	SW4	6.5	NI	NI	NI	0.0
6/8/07	SW5	6.0	NI	NI	NI	0.0
6/8/07	SW6	6.0	NI	NI	NI	0.0
6/8/07	SW7	7.0	NI	NI	NI	0.0
6/8/07	SW8	6.5	NI	NI	NI	0.0
6/8/07	SW9	7.0	NI	NI	NI	0.0
8/29/07	SW10	7.0	NI	NI	NI	0.0
8/29/07	**SW11**	**6.5**	**NI**	**NI**	**NI**	**1.4**
8/29/07	SW12	6.5	NI	NI	NI	0.0
8/29/07	SW13	6.5	NI	NI	NI	0.0
8/29/07	SW14	5.0	NI	NI	NI	0.0
8/30/07	**SW15**	**5.0**	**NI**	**NI**	**NI**	**1.4**
8/30/07	SW16	5.0	NI	NI	NI	0.7
8/30/07	**SW17**	**5.0**	**NI**	**NI**	**NI**	**2.0**
8/30/07	**SW18**	**5.5**	**NI**	**NI**	**NI**	**2.4**
8/30/07	SW19	5.5	NI	NI	NI	0.0
8/30/07	SW20	6.0	NI	NI	NI	0.0
6/8/07	SW21	6.0	NI	NI	NI	0.6
6/11/07	SW22	5.5	NI	NI	NI	0.5
6/11/07	SW23	5.5	NI	NI	NI	0.8
6/11/07	SW24	5.5	NI	NI	NI	0.3
6/11/07	SW25	5.5	NI	NI	NI	0.7
6/11/07	SW26	5.5	NI	NI	NI	0.4
6/11/07	SW27	5.5	NI	NI	NI	0.2
6/11/07	SW28	5.5	NI	NI	NI	0.1
6/11/07	SW29	5.5	NI	NI	NI	0.2
8/28/07	SW30	4.0	NI	NI	NI	0.0
8/28/07	SW31	4.0	NI	NI	NI	0.2
8/28/07	SW32	4.0	NI	NI	NI	0.0
8/28/07	SW33	3.5	NI	NI	NI	0.3
8/30/07	SW34	7.0	NI	NI	NI	0.0
8/30/07	SW35	7.0	NI	NI	NI	0.0
8/30/07	SW36	7.0	NI	NI	NI	0.0
8/30/07	SW37	4.0	NI	NI	NI	0.0
8/30/07	SW38	6.0	NI	NI	NI	0.0
8/30/07	SW39	6.0	NI	NI	NI	0.0
	SW40	NA	NA	NA	NA	NA
	SW41	NA	NA	NA	NA	NA
	SW42	NA	NA	NA	NA	NA
	SW43	NA	NA	NA	NA	NA
	SW44	NA	NA	NA	NA	NA
9/13/07	SW45	5.0	NI	NI	NI	0.0
9/13/07	SW46	6.0	NI	NI	NI	0.0
9/13/07	SW47	6.0	NI	NI	NI	0.0
9/13/07	SW48	6.0	NI	NI	NI	0.6
9/13/07	SW49	7.0	NI	NI	NI	0.8
9/13/07	SW50	7.0	NI	NI	NI	0.0
9/13/07	SW51	8.0	NI	NI	NI	0.6
9/13/07	SW52	8.0	NI	NI	NI	0.0
9/13/07	SW53	7.0	NI	NI	NI	0.0
9/13/07	SW54	8.0	NI	NI	NI	0.2
9/13/07	SW55	8.0	NI	NI	NI	0.0
9/13/07	SW56	8.0	NI	NI	NI	0.0

SW=Sidewall Sample dicated in field observation
B= Bottom Sample
Depth recorded to indicate maximum depth below grade of composite sample collection
All Headspace analysis recorded in parts per million (ppm)

* Samples collected in vicinity of groundwater interface, sheen indicated is relative to groundwater encountered at depth of endpoint sample collection.

Data for sidewall samples 40 through 44 is not available, these sidewall sample locations need to be re-sampled upon mobilization in Spring 2008.

Table 8 - Summary of Endpoint Sample Field Analysis
Excavation Sidewall Samples (cont'd)

NYSDEC Region 6 - Fort La Presentation (Lighthouse Point)
NYS Route 68, Ogdensburg, NY
NYSDEC Spill No. 0103685 ; PIN 03276

Date	Sample ID	Depth (feet)	Petroleum Odor	Petroleum Staining	Petroleum Sheen*	Headspace Analysis
9/13/07	SW57	10.0	NI	NI	NI	0.0
9/13/07	SW58	10.0	NI	NI	NI	0.3
9/13/07	**SW59**	**9.0**	**NI**	**NI**	**NI**	**1.7**
9/14/07	SW59a	9.0	NI	NI	NI	0.0
9/13/07	SW60	9.0	NI	NI	NI	0.9
9/13/07	SW61	9.0	NI	NI	NI	0.0
9/14/07	**SW62**	**7.0**	**NI**	**NI**	**NI**	**1.0**
9/14/07	**SW63**	**7.0**	**Slight**	**NI**	**NI**	**4.8**
9/14/07	SW64	7.0	NI	NI	NI	0.0
9/14/07	SW65	8.0	NI	NI	NI	0.0
9/14/07	**SW66**	**8.0**	**NI**	**NI**	**NI**	**1.9**
9/14/07	SW67	8.0	NI	NI	NI	0.0
9/14/07	SW68	8.0	NI	NI	NI	0.0
9/14/07	SW69	10.0	NI	NI	NI	0.0
9/14/07	SW70	12.0	NI	NI	NI	0.0
9/14/07	**SW71**	**14.0**	**Moderate**	**NI**	**NI**	**119.0**
9/18/07	SW72	7.0	NI	NI	NI	0.0
9/18/07	SW72	7.0	NI	NI	NI	0.0
9/18/07	SW73	7.0	NI	NI	NI	0.0
9/18/07	**SW74**	**7.0**	**NI**	**NI**	**NI**	**28.0**
9/18/07	SW75	7.0	NI	NI	NI	0.0
9/18/07	**SW76**	**7.0**	**NI**	**NI**	**NI**	**24.0**
9/18/07	SW77	7.0	NI	NI	NI	0.0
9/18/07	**SW78**	**7.0**	**NI**	**NI**	**NI**	**40.0**
9/18/07	**SW79**	**8.0**	**NI**	**NI**	**NI**	**78.0**
9/18/07	**SW80**	**8.0**	**NI**	**NI**	**NI**	**75.0**
9/18/07	SW81	8.0	NI	NI	NI	0.0
9/18/07	SW82	10.0	NI	NI	NI	0.0
9/18/07	SW83	10.0	NI	NI	NI	0.0
9/18/07	SW84	10.0	NI	NI	NI	0.0
9/18/07	SW85	12.0	NI	NI	NI	0.0
9/18/07	SW86	12.0	NI	NI	NI	0.0

SW=Sidewall Sample NI= None Indicated in field observation
B= Bottom Sample
Depth recorded to indicate maximum depth below grade of composite sample collection
All Headspace analysis recorded in parts per million (ppm)

* Samples collected in vicinity of groundwater interface, sheen indicated is relative to groundwater encountered at depth of endpoint sample collection.

Table 9 - Summary of Endpoint Sample Field Analysis
Excavation Bottom Samples

NYSDEC Region 6 - Fort La Presentation (Lighthouse Point)
NYS Route 68, Ogdensburg, NY
NYSDEC Spill No. 0103685 ; PIN 03276

Date	Sample ID	Depth (feet)	Petroleum Odor	Petroleum Staining	Petroleum Sheen*	Headspace Analysis
10/17/06	B1	6.5	NI	NI	NI	0.0
6/8/07	B2	6.0	NI	NI	NI	0.0
6/8/07	B3	6.0	NI	NI	NI	0.0
6/15/07	B4	6.0	NI	NI	NI	0.6
6/15/07	B5	6.0	NI	NI	NI	0.0
6/15/07	B6	6.0	NI	NI	NI	0.3
6/15/07	**B7**	**6.0**	**NI**	**NI**	**NI**	**2.3**
6/15/07	B8	5.5	NI	NI	NI	0.0
6/15/07	B9	8.0	NI	NI	NI	0.0
8/15/07	B10	6.0	NI	NI	NI	0.0
8/15/07	B11	6.0	NI	NI	NI	0.0
8/16/07	B12	7.0	NI	NI	NI	0.0
8/16/07	B13	8.0	NI	NI	NI	0.0
8/16/07	B14	7.0	NI	NI	NI	0.0
8/16/07	B15	6.5	NI	NI	NI	0.0
8/16/07	B16	7.0	NI	NI	NI	0.0
8/16/07	B17	7.0	NI	NI	NI	0.0
8/28/07	B18	7.0	NI	NI	NI	0.0
8/28/07	B19	7.0	NI	NI	NI	0.0
8/28/07	**B20**	**7.0**	**NI**	**NI**	**NI**	**2.7**
8/30/07	B21	7.0	NI	NI	NI	0.0
8/30/07	B22	7.0	NI	NI	NI	0.0
8/30/07	**B23**	**7.5**	**NI**	**NI**	**NI**	**1.9**
8/30/07	B24	6.5	NI	NI	NI	0.0
8/30/07	B25	7.0	NI	NI	NI	0.0
8/30/07	B26	7.0	NI	NI	NI	0.0
9/17/07	B27	8.0	NI	NI	NI	0.0
9/17/07	B28	8.0	NI	NI	NI	0.0
9/17/07	B29	8.0	NI	NI	NI	0.0
9/17/07	B30	8.0	NI	NI	NI	0.0
9/17/07	B31	8.0	NI	NI	NI	0.0
9/17/07	B32	8.0	NI	NI	NI	0.0
9/17/07	B33	8.0	NI	NI	NI	0.0
9/17/07	B34	8.0	NI	NI	NI	0.0
9/17/07	B35	8.0	NI	NI	NI	0.0
9/17/07	B36	8.0	NI	NI	NI	0.0
9/17/07	B37	8.0	NI	NI	NI	0.0
9/17/07	B38	8.0	NI	NI	NI	0.0
9/17/07	B39	8.0	NI	NI	NI	0.0
9/17/07	B40	8.0	NI	NI	NI	0.0
9/17/07	B41	8.0	NI	NI	NI	0.0
9/17/07	B42	8.0	NI	NI	NI	0.0
9/17/07	B43	8.0	NI	NI	NI	0.0
9/17/07	B44	8.0	NI	NI	NI	0.0
9/17/07	B45	8.0	NI	NI	NI	0.0
9/17/07	B46	8.0	NI	NI	NI	0.0
9/17/07	B47	8.0	NI	NI	NI	0.0
9/17/07	B48	8.0	NI	NI	NI	0.0
9/17/07	B49	8.0	NI	NI	NI	0.0
9/17/07	B50	8.0	NI	NI	NI	0.0
9/17/07	B51	8.0	NI	NI	NI	0.0
9/17/07	B52	8.0	NI	NI	NI	0.0
9/17/07	B53	8.0	NI	NI	NI	0.0
9/17/07	B54	8.0	NI	NI	NI	0.0
9/17/07	B55	8.0	NI	NI	NI	0.0
9/17/07	B56	8.0	NI	NI	NI	0.0
9/17/07	B57	8.0	NI	NI	NI	0.0
9/17/07	B58	8.0	NI	NI	NI	0.0
9/18/07	B59	8.0	NI	NI	NI	0.0
9/17/07	B60	3.0-9.0	NI	NI	NI	0.9
9/17/07	B61	3.0-9.0	NI	NI	NI	0.0
9/17/07	**B62**	**2.0-7.0**	**NI**	**NI**	**NI**	**1.0**
9/17/07	**B63**	**2.0-7.0**	**NI**	**slight**	**NI**	**4.8**
9/17/07	B64	2.0-7.0	NI	NI	NI	0.0
9/17/07	B65	2.0-8.0	NI	NI	NI	0.0
9/17/07	**B66**	**2.0-8.0**	**NI**	**NI**	**NI**	**1.9**
9/17/07	B67	2.0-8.0	NI	NI	NI	0.0
9/17/07	B68	2.0-8.0	NI	NI	NI	0.0
9/18/07	B69	7.0	NI	NI	NI	0.0

SW=Sidewall Sample NI= None Indicated in field observation
B= Bottom Sample
Depth recorded to indicate depth below grade of composite sample collection
All Headspace analysis recorded in parts per million (ppm)

* Samples collected in vicinity of groundwater interface, sheen indicated is relative to groundwater encountered at depth of endpoint sample collection.

Table 10- Summary of Soil Sample Analytical; Tentatively Identified Compounds

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8260)	SW-1	SW-11	SW-15	SW-17	SW-18	SW-59	SW-62	SW-63	SW-66	SW-71	SW-74	SW-76	SW-78	SW-79	SW-80
Unknown	NR	**31**	NR	**1,040**	**147**	NR	NR	**1,160**	NR	**6,660**	**290**	**13,700**	**1,250**	**352**	**70**
Unknown Alkane	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,100**	NR	NR	NR	NR	NR
Unknown Benzene Derivative	NR	NR	NR	NR	**97**	NR	NR	NR	NR	NR	**328**	NR	**230**	**203**	NR
Unknown Cycloalkane	NR	NR	NR	NR	NR	NR	NR	**860**	NR	NR	NR	NR	NR	NR	NR
Unknown Cycloahexane	NR	NR	NR	NR	NR	NR	NR	NR	NR	**1,000**	NR	NR	NR	NR	NR
Unknown Cyclopentane Derivative	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Unknown Idene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**240**	NR
Unknown Methyl Alkane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**4,300**	NR	NR	NR
Benzene, 1,2,3-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyclobutane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyclohexane, Butyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**140**	**5,600**	**530**	NR	NR
Cyclohexane, 1,1,3-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	**900**	NR	NR	NR	NR	NR
Cyclopentane,Mehtyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Cyclopentane, 1,2-Diethyl-,T	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Decahydronaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	**1,600**	**190**	**5,200**	**390**	NR	**32**
Decane, 3,7-Dimethyl	NR	NR	NR	NR	NR	NR	NR	**320**	NR	NR	NR	NR	NR	NR	NR
Dimethylbenzo(B) Thiopene Is	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**229**
Indan, 1-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**100**	NR
Methyl Cyclopentane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylnaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**83**	NR
Naphthalene, Decahydro-2-Meth	NR	NR	NR	NR	NR	NR	NR	**800**	NR	NR	NR	NR	NR	NR	NR
Naphthalene, 2-Ethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**54**
Naphthalene, 2-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**15**
Pentane,3-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Undecane, 2,6-Dimethyl	NR	NR	NR	NR	NR	NR	NR	**310**	NR	NR	NR	NR	NR	NR	NR
Tetrahydronaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetramethylbenzene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**440**	**5,800**	**360**	**130**	NR
1,2,3,4-Tetrahydronaphthalen	NR	NR	NR	NR	**30**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butyl-1,1,3-Trimethcyclo	NR	NR	NR	**230**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl Butane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,3,4-Trimethylpentane	NR	**12**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dimethyl-Nonane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**4,100**	**310**	NR	NR
2,6-Dimethylundecane	NR	NR	NR	**310**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6,10-Trimethyl Pentadecane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6,10,14-Tetramehylpentade	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,7-Dimethyldecane	NR	NR	NR	**140**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-Methyl-Decane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**110**	NR	NR	NR	NR
4-Methyl-Nonane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**110**	**8,900**	**650**	NR	NR
Sum of Reported Values	*NF*	***43***	*NF*	***1,720***	***274***	*NF*	*NF*	***3,450***	*NF*	***12,260***	***1,608***	***51,200***	***3,720***	***1,108***	***400***

All values reported in ug/kg (ppb)
NR= Not Reported
NF=None Found

Samples represented were selected from all endpoint samples based on presence of field indicators as outlined in Tables 7 & 8

Table 10- Summary of Soil Sample Analytical; Tentatively Identified Compounds

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8270)	SW-1	SW-11	SW-15	SW-17	SW-18	SW-59	SW-62	SW-63	SW-66	SW-71	SW-74	SW-76	SW-78	SW-79	SW-80
Unknown	NR	**1,900**	NR	NR	**2,300**	NR	**230**	NR	NR	NR	NR	NR	NR	**4,440**	**400**
Unknown Alkane	NR	**1,400**	**2,400**	**208,000**	NR	NR	NR	**40,800**	NR	**15,700**	**7,800**	**82,000**	NR	**3,600**	**3,030**
Unknown Alkene	NR	NR	NR	NR	NR	N	NR	NR	NR	NR	NR	NR	**17,000**	NR	
Unknown Cyclohexane Derivative	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**460**
Unknown Dimethylundecane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**480**
Unknown PAH	NR	NR	**2,600**	NR	**34,000**	NR	NR	NR	NR	NR	NR	NR	**40,000**	NR	NR
Anthracene, 1-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**26,000**	NR	NR	NR
Anthracene, 2-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,800**	NR	NR	NR	NR
.Beta.-Sitosterol	NR	NR	**4,900**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Decane, 2-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,400**	NR
Dimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	**9,600**	NR	NR	**125,000**	**1,600**	**2,120**
Dodecane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**9,200**	NR	NR	NR	NR
Eicosane	NR	NR	**2,300**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**16,000**	NR	NR	NR
Friedelan-3-one	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,200**	NR
Hexadecane	NR	NR	NR	NR	NR	NR	NR	**21,000**	NR	NR	NR	NR	NR	NR	NR
Hexadecane, 2,6,10,14-Tetrame	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**6,200**	**58,000**	**38,000**	NR	NR
Lupr 20(29)-En-3-One	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene,Decahydro-,Tran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**860**	NR
Naphthalene, 1-Ethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**3,100**	NR	**17,000**	NR	NR
Naphthalene,1,6-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**8,400**	**47,000**	NR	**1,800**	NR
Naphthalene,2,3-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**7,800**	NR	NR	NR	NR
Naphthalene,2,7-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**3,300**	**41,000**	NR	NR	NR
Naphthalene,1-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,900**	NR	NR	NR	NR
Naphthalene,1,4,6-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**26,000**	NR	NR
Naphthalene,1,6,7-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**19,000**	**30,000**	NR	NR
Naphthalene,2,3,6-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**20,000**	**52,000**	NR	NR
Naphthalene,2-(1-methyleth)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**5,000**	NR	NR	NR	NR
Octane,2,6-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**4,500**	NR	**30,000**	**3,200**	NR
Pentadecane,2,6,10-Trimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**31,000**	NR	**330**
Pentadecane,2,6,10,14-Tetra	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**82,000**	**53,000**	NR	**370**
Phenanthrene, 1-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**20,000**	NR	NR	NR
Phenanthrene,1,7-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**25,000**	NR	NR	NR
Phenanthrene,2,5-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**22,000**	**16,000**	NR	NR
Phenanthrene, 2-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**2,700**	**28,000**	NR	NR	NR
Pentadecane, 7-Methyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**54,000**	**3,100**	NR
Stigmasterol,22,23,Dihydro	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**24,000**	NR	NR	NR
Tetradecane, 4,11-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**680**
Tridecane,5-propyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**6,500**	**80,000**	NR	NR	NR
Trimethylbenzene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Trimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR	NR	NR	NR	**15,400**	**24,000**	NR	NR	**4,260**	**280**
Undecane,2,6-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**24,000**	**22,000**	NR	NR
Undecane,3,6-Dimethyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**3,200**	NR	NR	**1,300**	NR
1-Ethyl-2,2,6-Trimethylcyclo	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**18,000**	NR	NR	NR
1-MethylNaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**44,000**	**17,000**	NR	NR
1,2-Benzenedicarboxylic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**430**
2 Ethyl-1-Hexanol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2 Phenanthrenol,4B,5,6,7,8,8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dimethylundecane	NR	NR	NR	NR	NR	NR	NR	**8,700**	NR	NR	NR	NR	NR	NR	NR
2,6,10-Trimethylpentadecane	NR	NR	NR	**63,000**	NR	NR	NR	**20,000**	NR	**7,500**	NR	NR	NR	NR	NR
2,6,10,14-Tetramethylhexadec	NR	NR	NR	NR	NR	NR	NR	NR	NR	**6,000**	NR	NR	NR	NR	NR
2,6,10,14-Tetramethylpentade	NR	NR	NR	**73,000**	NR	NR	NR	**27,000**	NR	**6,900**	NR	NR	NR	NR	NR
3,5-Dimethyldodecane	NR	NR	NR	NR	NR	NR	NR	**4,600**	NR	NR	NR	NR	NR	NR	NR
4,4'-Dimethylbiphenyl	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	**3,800**	NR	**23,000**	NR	NR
7-Methyltridecane	NR	NR	NR	**34,000**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
18-Norabietane	NR	NR	**4,200**	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Sum of Reported Values	*NF*	***3,300***	***16,400***	***378,000***	***36,300***	*NF*	***230***	***122,100***	*NF*	***61,100***	***101,200***	***676,000***	***591,000***	***28,760***	***8,880***

All values reported in ug/kg (ppb)
NR= Not Reported
NF=None Found

Samples represented were selected from all endpoint samples based on presence of field indicators as outlined in Tables 7 & 8

Table 11 - Summary of Soil Sample Analytical; Tentatively Identified Compounds

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8260)	B-7	B-20	B-23	B-62	B-63	B-66
Unknown	**120**	**700**	**54**	NR	NR	NR
Unknown Alkane	NR	NR	NR	NR	NR	NR
Unknown Benzene Derivative	**110**	NR	**9**	NR	NR	NR
Unknown Cycloalkane	NR	NR	NR	NR	NR	NR
Unknown Cycloahexane	NR	NR	NR	NR	NR	NR
Unknown Cyclopentane Derivative	**26**	NR	NR	NR	NR	NR
Unknown Idene	NR	NR	NR	NR	NR	NR
Unknown Methyl Alkane	NR	NR	NR	NR	NR	NR
Benzene, 1,2,3-Trimethyl	**130**	NR	NR	NR	NR	NR
Benzene, 1-Ethyl-2-Methyl	**180**	NR	NR	NR	NR	NR
Cyclobutane	NR	**100**	NR	NR	NR	NR
Cyclohexane, Butyl	NR	NR	NR	NR	NR	NR
Cyclohexane, 1,1,3-Trimethyl	NR	NR	NR	NR	NR	NR
Cyclopentane,Mehtyl	**82**	NR	NR	NR	NR	NR
Cyclopentane, 1,2-Diethyl-,T	**18**	NR	NR	NR	NR	NR
Decahydronaphthalene Isomer	NR	NR	NR	NR	NR	NR
Decane, 3,7-Dimethyl	NR	NR	NR	NR	NR	NR
Dimethylbenzo(B) Thiopene Is	NR	NR	NR	NR	NR	NR
Dimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR
Indan, 1-Methyl	**16**	NR	NR	NR	NR	NR
Methyl Cyclopentane	NR	**840**	NR	NR	NR	NR
Methylnaphthalene Isomer	NR	NR	NR	NR	NR	NR
Naphthalene, Decahydro-2-Meth	NR	NR	NR	NR	NR	NR
Naphthalene, 2-Ethyl	NR	NR	NR	NR	NR	NR
Naphthalene, 2-Methyl	NR	NR	NR	NR	NR	NR
Pentane,3-Methyl	**68**	NR	NR	NR	NR	NR
Undecane, 2,6-Dimethyl	NR	NR	NR	NR	NR	NR
Tetrahydronaphthalene Isomer	NR	NR	NR	NR	NR	NR
Tetramethylbenzene Isomer	NR	NR	NR	NR	**49**	NR
1,2,3,4-Tetrahydronaphthalen	NR	NR	NR	NR	NR	NR
2-Butyl-1,1,3-Trimethcyclo	NR	NR	NR	NR	NR	NR
2-Methyl Butane	NR	**320**	NR	NR	NR	NR
2,3,4-Trimethylpentane	NR	NR	NR	NR	NR	NR
2,6-Dimethyl-Nonane	NR	NR	NR	NR	NR	NR
2,6-Dimethylundecane	NR	NR	NR	NR	NR	NR
2,6,10-Trimethyl Pentadecane	NR	NR	NR	NR	NR	NR
2,6,10,14-Tetramehylpentade	NR	NR	NR	NR	NR	NR
3-Methyl Pentane	NR	**190**	NR	NR	NR	NR
3,7-Dimethyldecane	NR	NR	NR	NR	NR	NR
4-Methyl-Decane	NR	NR	NR	NR	NR	NR
4-Methyl-Nonane	NR	NR	NR	NR	NR	NR
Sum of Reported Values	***750***	***2,150***	***63***	***NF***	***49***	***NF***

All values reported in ug/kg (ppb)
NR= Not Reported
NF=None Found

Samples represented were selected from all endpoint samples based on presence of field indicators as outlined in Table 9

Table 11 - Summary of Soil Sample Analytical; Tentatively Identified Compounds

NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8270)	B-7	B-20	B-23	B-62	B-63	B-66
Unknown	**6,460**	**6,110**	NR	**14.45**	**240**	**300**
Unknown Alkane	NR	**930**	NR	NR	NR	NR
Unknown Alkene	NR	NR	NR	NR	NR	NR
Unknown Cyclohexane Derivative	NR	NR	NR	NR	NR	NR
Unknown Dimethylundecane	NR	NR	NR	NR	NR	NR
Unknown PAH	NR	NR	**2,800**	NR	NR	NR
Anthracene, 1-Methyl	NR	NR	NR	NR	NR	NR
Anthracene, 2-Methyl	NR	NR	NR	NR	NR	NR
.Beta.-Sitosterol	NR	**1,200**	NR	NR	NR	NR
Decane, 2-Methyl	NR	NR	NR	NR	NR	NR
Dimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR
Dodecane	NR	NR	NR	NR	NR	NR
Eicosane	NR	NR	NR	NR	NR	NR
Ethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR
Friedelan-3-one	NR	**34,000**	NR	NR	NR	NR
Hexadecane	NR	NR	NR	NR	NR	NR
Hexadecane, 2,6,10,14-Tetrame	NR	NR	NR	NR	NR	NR
Lupr 20(29)-En-3-One	NR	**1,600**	NR	NR	NR	NR
Naphthalene,Decahydro-,Tran	NR	NR	NR	NR	NR	NR
Naphthalene, 1-Ethyl	NR	NR	NR	NR	NR	NR
Naphthalene,1,6-Dimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,2,3-Dimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,2,7-Dimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,1-Methyl	NR	NR	NR	NR	NR	NR
Naphthalene,1,4,6-Trimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,1,6,7-Trimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,2,3,6-Trimethyl	NR	NR	NR	NR	NR	NR
Naphthalene,2-(1-methyleth)	NR	NR	NR	NR	NR	NR
Octane,2,6-Dimethyl	NR	NR	NR	NR	NR	NR
Pentadecane,2,6,10-Trimethyl	NR	NR	NR	NR	NR	NR
Pentadecane,2,6,10,14-Tetra	NR	NR	NR	NR	NR	NR
Phenanthrene, 1-Methyl	NR	NR	NR	NR	NR	NR
Phenanthrene,1,7-Dimethyl	NR	NR	NR	NR	NR	NR
Phenanthrene,2,5-Dimethyl	NR	NR	NR	NR	NR	NR
Phenanthrene, 2-Methyl	NR	NR	NR	NR	NR	NR
Pentadecane, 7-Methyl	NR	NR	NR	NR	NR	NR
Stigmasterol,22,23,Dihydro	NR	NR	NR	NR	NR	NR
Tetradecane, 4,11-Dimethyl	NR	NR	NR	NR	NR	NR
Tridecane,5-propyl	NR	NR	NR	NR	NR	NR
Trimethylbenzene Isomer	**690**	NR	NR	NR	NR	NR
Trimethylnaphthalene Isomer	NR	NR	NR	NR	NR	NR
Undecane,2,6-Dimethyl	NR	NR	NR	NR	NR	NR
Undecane,3,6-Dimethyl	NR	NR	NR	NR	NR	NR
1-Ethyl-2,2,6-Trimethylcyclo	NR	NR	NR	NR	NR	NR
1-MethylNaphthalene	NR	NR	NR	NR	NR	NR
1,2-Benzenedicarboxylic Acid	NR	NR	NR	NR	NR	NR
2 Ethyl-1-Hexanol	NR	**1,200**	NR	NR	NR	NR
2 Phenanthrenol,4B,5,6,7,8,8	NR	NR	NR	NR	NR	NR
2,6-Dimethylundecane	NR	NR	NR	NR	NR	NR
2,6,10-Trimethylpentadecane	NR	NR	NR	NR	NR	**250**
2,6,10,14-Tetramethylhexadec	NR	NR	NR	NR	NR	NR
2,6,10,14-Tetramethylpentade	NR	NR	NR	NR	NR	**320**
3,5-Dimethyldodecane	NR	NR	NR	NR	NR	NR
4,4'-Dimethylbiphenyl	NR	NR	NR	NR	NR	NR
7-Methyltridecane	NR	NR	NR	NR	NR	NR
18-Norabietane	NR	NR	**3,000**	NR	NR	NR
Sum of Reported Values	***7,150***	***45,040***	***5,800***	***14.45***	***240***	***870***

All values reported in ug/kg (ppb)
NR= Not Reported
NF=None Found

Samples represented were selected from all endpoint samples based on presence of field indicators as outlined in Table 9

Table 12 - Summary of Groundwater Sample Analytical; Tentatively Identified Compounds
(Samples Collected 11/28/07)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8260)	MW-1a	MW-2a	MW-3a	MW-4a	MW-5a	MW-6a	MW-7a	MW-8a	MW-10a (GT-3)
Unknown	NR	NR	NR	NR	**36**	**46**	**33**	NR	NR
Unknown Benzene Derivative	NR	NR	NR	NR	NR	**21**	**16**	NR	NR
Unknown Naphthanene Derivative	NR	NR	NR	NR	**4**	NR	NR	NR	NR
Diethyl Phthalate	**4**	**4**	NR	**5**	NR	NR	NR	**3**	NR
Indane	NR	NR	NR	NR	NR	NR	**30**	NR	NR
Methyl Cyclopentane	NR	NR	NR	NR	NR	NR	**29**	NR	NR
Tert Butylbenzene	NR	NR	NR	NR	NR	**6**	NR	NR	NR
(1-Methylethylidene)-Cyclobu	NR	NR	NR	NR	NR	NR	**8**	NR	NR
2-Methyl Butane	NR	NR	NR	NR	NR	NR	**16**	NR	NR
2-Methylnaphthalene	NR	NR	NR	NR	**6**	**7**	NR	NR	NR
2,3-Dimethyl Butane	NR	NR	NR	NR	NR	NR	**27**	NR	NR
3-Methyl Pentane	NR	NR	NR	NR	NR	NR	**40**	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
Sum of Reported Values	***4***	***4***	*NF*	***5***	***46***	***80***	***199***	***3***	*NF*

All values reported in ug/L
NR= Not Reported
NF=None Found

Table 12 - Summary of Groundwater Sample Analytical; Tentatively Identified Compounds
(Samples Collected 11/28/07)
NYSDEC Region 6 - FORT LA PRESENTATION (LIGHTHOUSE POINT)
NYS Route 68, Ogdensburg, New York

Tentatively Identified Compound (EPA 8270)	MW-1a	MW-2a	MW-3a	MW-4a	MW-5a	MW-6a	MW-7a	MW-8a	MW-10a (GT-3)
Unknown	**106**	**63**	**242**	**48**	**12**	NR	**161**	**31**	**158**
Unknown Alcohol	NR	NR	NR	NR	NR	NR	NR	NR	**11**
Unknown Alkane	NR	NR	NR	NR	NR	**55**	NR	NR	NR
Unknown Benzene Derivative	NR	NR	NR	NR	NR	**32**	NR	NR	NR
Dimethylnaphthalene Isomer	NR	NR	NR	NR	**44**	**86**	NR	NR	NR
Phenanthrene, 1-Methyl-7-1	NR	NR	NR	NR	NR	NR	**43**	NR	NR
Tetrahydronaphthalene Isomer	NR	NR	NR	NR	**6**	NR	NR	NR	NR
1-Methylnaphthalene	NR	NR	NR	NR	**14**	NR	NR	NR	NR
3-Phenylbu-1-Ene	NR	NR	NR	NR	NR	NR	**14**	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
Sum of Reported Values	***106***	***63***	***242***	***48***	***76***	***173***	***218***	***31***	***169***

All values reported in ug/L
NR= Not Reported
NF=None Found

Table 13 - Summary of Endpoint Sample Field Analysis
Trenches on Duffy and Fort LaPresentation Properties

NYSDEC Region 6 - Fort La Presentation (Lighthouse Point)
NYS Route 68, Ogdensburg, NY
NYSDEC Spill No. 0103685 ; PIN 03276

Date	Trench Number	Soil Type	Depth (feet)	Petroleum Odor	Petroleum Staining	Petroleum Sheen*	Headspace Analysis
9/25/07	1	silty clay	4.0	NI	NI	NI	0.0
9/25/07	2	silty clay	6.0	NI	NI	NI	0.0
9/25/07	3	silt and clay	6.0	NI	NI	NI	0.0
9/25/07	4	silty clay	5.0	NI	NI	NI	0.0
9/26/07	5	silty clay	5.0	NI	NI	NI	0.0
9/26/07	6	silt and clay	5.0	NI	NI	NI	0.0
9/27/07	7	silt and clay	5.0	NI	NI	NI	0.0
9/28/07	8	silty clay	5.0	NI	NI	NI	0.0
10/2/07	9	silty clay	5.5	NI	NI	NI	0.0
10/2/07	10	silty clay	5.0	NI	NI	NI	0.0
10/2/07	11	silty clay	5.5	yes	NI	NI	39.7
10/2/07	12	silty	4.0	yes	NI	NI	42.8
10/3/07	13	silt and clay	6.0	yes	yes	NI	45 - 50
10/3/07	14	silt and clay	4.0	NI	NI	NI	0.0
10/3/07	15	silt and clay	5.5	yes	yes	NI	20 - 30
10/3/07	16	silt and clay	5.5	yes	NI	NI	5.0
10/4/07	17	silt and clay	6.0	yes	yes	NI	300 - 500
10/4/07	18	silt and clay	1.5	yes	NI	NI	20 - 25
10/4/07	19	silt and clay	6.0	yes	NI	NI	10 - 18
10/4/07	20	sandy silt	5.0	yes	NI	NI	5 - 10
10/4/07	21	sandy silt	3.5	NI	NI	NI	0.0
10/4/07	22	silt and clay	7.5	NI	NI	NI	0.0
10/5/07	23	silt and clay	6.0	yes	yes	NI	0.0
10/5/07	24	silt and clay	8.0	yes	NI	NI	10.0
10/5/07	25	sandy silt	5.0	yes	yes	NI	200 - 300
10/5/07	26	sandy silt	5.0	NI	NI	NI	0.0
10/5/07	27	sandy silt	6.5	NI	NI	NI	0.0
10/5/07	28	silt and clay	6.0	yes	NI	NI	5 - 10
10/24/07	29	silt and clay	9.0	NI	NI	NI	0.0
10/24/07	30	sand, silt and clay	8.0	NI	NI	NI	0.0
10/24/07	31	sand, silt and clay	8.5	NI	NI	NI	0.0
10/24/07	32	sand, silt and clay	4.5	NI	NI	NI	0.0
10/24/07	33	silt and clay	8.0	NI	NI	NI	0.0
11/13/07	34	sand, silt and clay	6.0	yes	NI	NI	403.0
11/13/07	35	sand, silt and clay	3.5	yes	yes	NI	294.0
11/13/07	36	sandy silt	6.0	yes	yes	NI	1319.0
11/13/07	37	sandy silt	4.0	NI	NI	NI	0.0
11/13/07	38	sandy silt	6.0	yes	yes	NI	1495.0
11/13/07	39	sandy silt	6.5	yes	NI	NI	1.7
11/13/07	40	sandy silt	4.0	NI	NI	NI	0.0
11/13/07	41	sand, silt and clay	6.0	NI	NI	NI	0.0
11/13/07	42	sand, silt and clay	6.0	NI	NI	NI	0.0
11/14/07	43	sand, silt and clay	8.0	NI	NI	NI	0.0
11/14/07	44	sand, silt and clay	4.5	yes	NI	NI	500 - 635
11/14/07	45	sand, silt and clay	4.5	NI	NI	NI	0.0
11/14/07	46	sand, silt and clay	4.5	NI	NI	NI	0.0
11/14/07	47	sand, silt and clay	5.0	NI	NI	yes	198.0
11/14/07	48	silt and clay	5.0	yes	yes	NI	60.0
11/14/07	49	silt and clay	6.0	yes	yes	NI	200 - 400
11/15/07	50	silt and clay	5.5	yes	yes	NI	NA
11/15/07	51	silt and clay	10.0	yes	yes	NI	1300.0
11/15/07	52	silt and clay	6.0	yes	yes	NI	14.0
11/15/07	53	silt and clay	5.0	yes	yes	NI	10.0
11/15/07	54	silt and clay	7.5	yes	yes	NI	60 - 312
11/16/07	55	silt and clay	6.0	yes	yes	NI	10 - 19
11/16/07	56	silt and clay	6.0	NI	NI	NI	0.0

SW=Sidewall Sample
B= Bottom Sample

NI= None Indicated in field observation
NA= Not Available.

Depth recorded to indicate depth below grade of composite sample collection
All Headspace analysis recorded in parts per million (ppm)

* Samples collected in vicinity of groundwater interface, sheen indicated is relative to groundwater encountered at depth of endpoint sample collection.

BORE HOLE: SB-26

DATE: 7/31/07 **ELEVATION:** NA

PROJECT: DEC 6 - Lighthouse Point Ogdensburg

PREPARED FOR: NYSDEC - Region 6, Watertown, NY

BORING LOCATION:

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
							4	0'-4': fill, dry, no petroleum odors.	0		
2'											**No Monitoring Well Set.**
4'											
							4	4'-8': Fill, dry, no petroleum odors.	0		
6'											
8'							4	8'-12': fill from 8'-8.5', then brown silty clay, moist to wet, no petroleum odors.	0		
10'											
12'											
							4	12'-16': Brown silty clay, wet, no petroleum odors.	0		
14'											
16'											
							4	16'-20': Brown silty clay, wet, no petroleum odors.	0		
18'											
20'											
							1	20'-24': 1 foot of brown silty clay with some gravel, wet, no petroleum odors.	0		
22'								**Boring terminated at 21' below grade due to refusal.**			
24'											

LOGGED BY: T.DiCaprio

BORE HOLE: SB-8/MW-8a

DATE: 10/17/07 **ELEVATION:** 102.30'

PROJECT: DEC 6 - Ogdensburg

PREPARED FOR: NYSDEC - Region 6, Watertown, NY

BORING LOCATION: See Site Map.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
							4	0'-4': Fill material, damp, no petroleum odors	0		Riser extends to 3' above grade
2'											Bentonite seal
											1-inch, PVC riser
4'											
							4	4'-8': Fill material grading to gray brown silt wet at 6' below grade, no petroleum odors	0		
6'											#0 silica sand pack
8'											
							3	8'-12': Light gray silty clay, wet, no petroleum odors	0		
10'											
											10' of 1-inch, 10 slot, Sch 40 PVC well screen
12'											
								Boring terminated at 12' b.g.		Well set at 12' below grade	
14'											
16'											
18'											
20'											
22'											
24'											

LOGGED BY: T. DiCaprio