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Soil Excavation Interim Remedial Measure (IRM) 2 Love Road BCP Site

Herbert Redl Properties, Inc.
Poughkeepsie, NY

September 2007

FUSS & O'NEILL
Disciplines to Deliver

Fuss & O'Neill of New York, P.C.
80 Washington Street, Suite 301
Poughkeepsie, NY 12601

Soil Excavation Interim Remedial Measure
2 Love Road BCP Site

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Soil Excavation Interim Remedial Measure
2 Love Road BCP Site

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1.0 INTRODUCTION

Remedial Investigation fieldwork activities at the 2 Love Road BCP Site took place June 16-21, 2005 through the Brownfield Cleanup Program (BCP) under the discretion of the New York State Department of Environmental Conservation (NYSDEC). The investigation included the installation of 48 test pits, 29 soil probes, and 2 temporary monitoring wells across the 4.59-acre site. The Remedial Investigation Report was provided to the NYSDEC in July of 2006 and incorporated the NYSDEC's comments.

An area of heavy petroleum staining and free product was encountered during the site investigation. To address this immediate threat to the environment, an Interim Remedial Measure (IRM) work plan was submitted to the NYSDEC and was approved in October of 2005. Due to actions occurring beyond his control, the site owner (and BCP volunteer) could not complete the IRM at that time. The soil excavation IRM was initiated on July 24, 2007. The area of excavation was near the northern most entrance underneath and adjacent to two existing concrete pads.

1.1 Description of Target Excavation Area

The area surrounding the concrete pads may have been the location of a historic truck loading facility when the site operated as a petroleum bulk oil storage facility. Based on the results of the remedial investigation, impacted soil near the concrete pads ranged from approximately 3 to 7 feet in depth due to shallow bedrock. The most grossly contaminated soil was seen along the bedrock-soil interface in test pits TP-09, TP-22, and TP-23 (Figure 2). The bedrock in TP-09 appeared to be sloped southward toward Love Road but also was bowl shaped, which limited the migration of the contaminants to a reasonably well-defined area. The material observed in these test pits appeared to be an oily sludge, mainly confined to the area immediately above the bedrock surface.

Test pit TP-22 exhibited a very strong petroleum odor and the same gross contamination seen in TP-09. Impacts vertically ranged from approximately 5 feet below ground surface to bedrock at 9 feet below ground surface. Similar impacts were seen in TP-23.

Analytical results for samples collected within and in the vicinity of AOC-01 had detections of a number of volatile and semi-volatile organics; however, none of the results exceeded the standards, criteria or guidance (SCGs). The need for action was based on soil sample results potentially exceeding the petroleum-contaminated soil cleanup guidance values outlined in STARS Memo # 1 and TAGM 4046. The fact that the sample results were within the applicable standards was surprising based on site observations. The soils in question in the AOC were obviously grossly contaminated based on visual observation of free product lying on the bedrock surface, and very strong petroleum odor. Since the facility has not operated as a bulk oil facility for more than 10 years, it is high likely that that petroleum was very weathered; hence, the analytical tests did not register the specific compounds of concern. The analytical tests are not designed to identify the breakdown products of a typical fuel oil product.

The grossly contaminated soil located on the site was assumed to pose an imminent hazard of further contributing to the degradation of environmental conditions. Removal of the soil is intended to address any further release of contaminants.

2.0 SUMMARY OF FIELD WORK

The Volunteer supplied an excavator and OSHA-trained operator. Prior to the start of excavation, the Volunteer cleared vegetation and the upper six-inches of soil from the work area. In addition, the existing concrete pad within the work area was broken up and removed. By doing this, the petroleum-contaminated soil could be more clearly defined prior to excavation, and the temporary stockpile area was easily assembled by laying poly sheeting out over a flat surface.

Heavy precipitation occurred throughout the day before the IRM fieldwork was conducted. Water in the on-site pond located east of the excavation area was overtopping the banks, and the area surrounding the pond had standing water. Once excavation of soils began in the proposed area, water flowed into the hole. These conditions are not normal for the site; the condition of groundwater in the vicinity the subject excavation is unknown.

Prior to placement of the poly sheeting for the stockpile area, two test pits were dug to be sure that no impacted soil existed beneath the proposed area. These test pits were dug to 1 foot and 2 feet below surface through clean soil, until refusal at shallow bedrock. The second test pit had shallow groundwater at 1.5 feet below surface. The locations of these test pits are denoted on Figure 1 as IRMTP-1 and IRMTP-2.

2.1 Soil Excavation and Stockpiling

The area of excavation and stockpile areas are shown on Figure 1. Based on knowledge obtained during the remedial investigation, the top two feet of clean soil was stripped from the area using a small bulldozer. Clean soil was temporarily stockpiled west of the excavation area and entrance, while the impacted soil stockpile was placed immediately south of the excavation. This change from the original work plan was made so that the excavator could remain stationary while stockpiling impacted soil.

Soils were first excavated to rock around the remnants of the northern concrete pad. Shale bedrock was encountered at approximately 1.5 feet below ground surface and no impacts were observed. The first impacts were observed at the southern portion of the excavation, at approximately 5 feet below surface, and approximately 20-25 feet southwest of the concrete pads. In this immediate area, impacted soil appeared to be confined to the 0.5-1.0 foot interval above the bedrock, which sloped westward. The excavation was continued westward until a vertical confining layer of dense blue clay was encountered. The operator took great care in scraping the bedrock surface to as clean as possible.

Shallow bedrock in the center of the excavation was uncovered at approximately 1 foot below ground surface. No petroleum-related impacts were observed in this area.

The easternmost portion of the excavation was observed to be the most heavily contaminated and is assumed to be the source area, as described in the following section. Dark, petroleum-soaked soils were encountered in the vicinity of two buried tank structures approximately 4 feet below ground surface, to approximately 10 feet. Soils within 1-2 feet of the tank structures and associated piping appeared to be the most heavily contaminated. These soils were removed, and bedrock was scraped clean. This area was also surrounded with a vertical confining layer of dense blue clay. All observable and readily reachable impacted soil was excavated and stockpiled.

Prior to leaving the site, the impacted soil stockpile was covered with additional plastic sheeting and stabilized.

The non-impacted overlying soil was used to backfill the excavation to match the surrounding grade. Sufficient volume of clean fill was available because an area much larger than the excavation area was cleared and 6 inches of topsoil stockpiled.

Documentary photographs of the field work are included as Appendix A.

2.2 Source Area

Upon excavating near the concrete pads, two field-fabricated tanks were unearthed. The most heavily impacted soils were found surrounding these tanks. The southernmost tank (Tank 1) was a 500-gallon (approx.) tank standing on end, the top of which was beneath a manhole cover in the concrete pad. The tank appeared to be sitting on a concrete foundation of unknown thickness, approximately 8-10 feet below ground surface. The northernmost tank (Tank 2) is of the same approximate size, and appeared to be seated within the shallow broken shale. The tanks were connected with an approximate 4-inch pipe, which had an elbow pointing down within Tank 1. Based on this setup, the tanks appeared to be some rudimentary form of an oil/water separator. The structures were not identified on the base map for the site. A possible scenario is that stormwater or oil from overfilling tanks was captured and routed into Tank 2. When the tank filled, oil floating on the surface would then flow through the piping to Tank 1. Tank 1 had a manhole, which may have been used to empty sludge and oils out when needed.

The tanks and pipe were pulled out of the excavation and placed in the stockpile area on plastic sheeting. The manhole above Tank 1 was filled with concrete. Tank 1 contained minor amounts of liquid that will be properly disposed of when the tanks are cleaned and cut. Tank 2 was approximately 75% full of sedimented solids.

Based on the implied former use of these tanks and their construction, it appears as though the system was the likely source of petroleum contamination. Tank 1 had an approximate 1-inch hole in the side.

The tanks were seated in a depression in the shallow bedrock, in an area surrounded by dense, low permeability blue clay. The same blue clay was noted in other portions of the site during the remedial investigation. After removal of the tanks, impacted soil was excavated and stockpiled. Impacts did not appear to extend horizontally into the blue clay. Impacted soil was scraped off the shallow bedrock.

2.3 Segregation of Materials

Because portions of the excavation area were beneath two concrete pads, the northern pad was partially broken and relocated to a separate stockpile. The southern concrete pad was removed completely and also set aside near the clean fill stockpiles. The concrete did not appear to be contaminated on the underside.

No fill materials consistent with construction and demolition (C&D) debris were encountered during excavation. If such debris is encountered during future site work, it will be segregated and recycled or disposed of as necessary.

3.0 CONFIRMATORY SAMPLING

3.1 Sample Collection

Following excavation and stockpiling of impacted soils, confirmatory samples were collected from the extents of the excavation. A total of 7 samples were collected and sent for analysis of volatile organics by EPA Method 8260 modified by STARS, semi-volatile organics by EPA Method 8270 modified by STARS, and Total Petroleum Hydrocarbons by EPA Method 418.1.

Sample collection followed procedures outlined in DER-10 and an August 15, 2006 comment letter from the Department which stated that samples are to be collected for every 30 feet of excavation sidewall, and 900 square feet of bottom excavation. Five samples were collected along the sidewalls, and two at the bottom. Because much of the bottom of the excavation was scraped bedrock as depicted in Figure 1, no samples were collected in these areas.

3.2 Analytical Results

Analytical results are summarized in Table 1. In each of the seven samples collected, no volatile or semi-volatile organic compounds were detected above method detection limits. In two samples, CS-04 and CS-06, minor concentrations of petroleum hydrocarbons were detected at 71 ppm and 140 ppm, respectively. These soils did not appear to be impacted based on visual and olfactory observations. Since no volatile or semi-volatile organics were detected, it is likely that the low-level petroleum hydrocarbons detected are breakdown products of significantly weathered product. The original data package from the laboratory is included as Appendix B.

4.0 UPCOMING SITE WORK

The Volunteer has taken the responsibility of cleaning, cutting, and disposing of the tanks discovered during execution of the IRM. Since the material inside the tanks appeared to be a solid or a thick sludge, waste created during cleaning will likely be disposed of with the remainder of the impacted soil stockpile. The tanks will likely be brought to a scrap metal recycling center.

Characterization and disposal of the impacted soil stockpile resulting from the IRM will be addressed in the coming weeks. The Volunteer is in the process of finding an appropriate disposal site.

5.0 CONCLUSIONS

Upon completion of an interim remedial measure to excavate and temporarily stockpile grossly contaminated soil at the 2 Love Road BCP Site, Fuss & O'Neill supplies the following conclusions:

- Limited or no petroleum-contaminated soil remains in the area subject to this IRM. Analytical results for seven confirmatory samples had no detections of volatile or semi-volatile organics and insignificant levels of petroleum hydrocarbons in only two of the samples.
- A likely source of contamination was discovered and mitigated via removal. Two field-fabricated tanks connected with a 4-inch pipe, believed to be formerly used as an oil/water separator, were removed and are temporarily stored under plastic with the contaminated soil stockpile.
- The issue of potential off-site migration to the west is believed to have been eliminated. Because the source area is believed to have been eliminated, migration of contaminants in this area is not likely.

Excavation of this grossly contaminated soil prior to the installation of bedrock monitoring wells is likely to have provided an added benefit. The lack of heavy impacts at the bedrock surface will prevent contamination of drilling equipment, and prevent the possibility of creating a temporary pathway for petroleum compounds to enter a lower water-bearing unit.

In addition, completion of the subject excavation earlier than the remainder of the soil remediation at the site allows the Volunteer to begin site preparation for construction activities, specifically some preliminary grading in the subject area. The Volunteer is willing to assist in any activity that will allow the remedial activities to proceed in a timely manner.

TABLES

2 Love Road BCP Site

FUSS & O'NEILL
of New York, PC

TABLE 1
Soil Excavation IRM - Confirmatory Samples
2 Love Road BCP Site, Poughkeepsie, NY

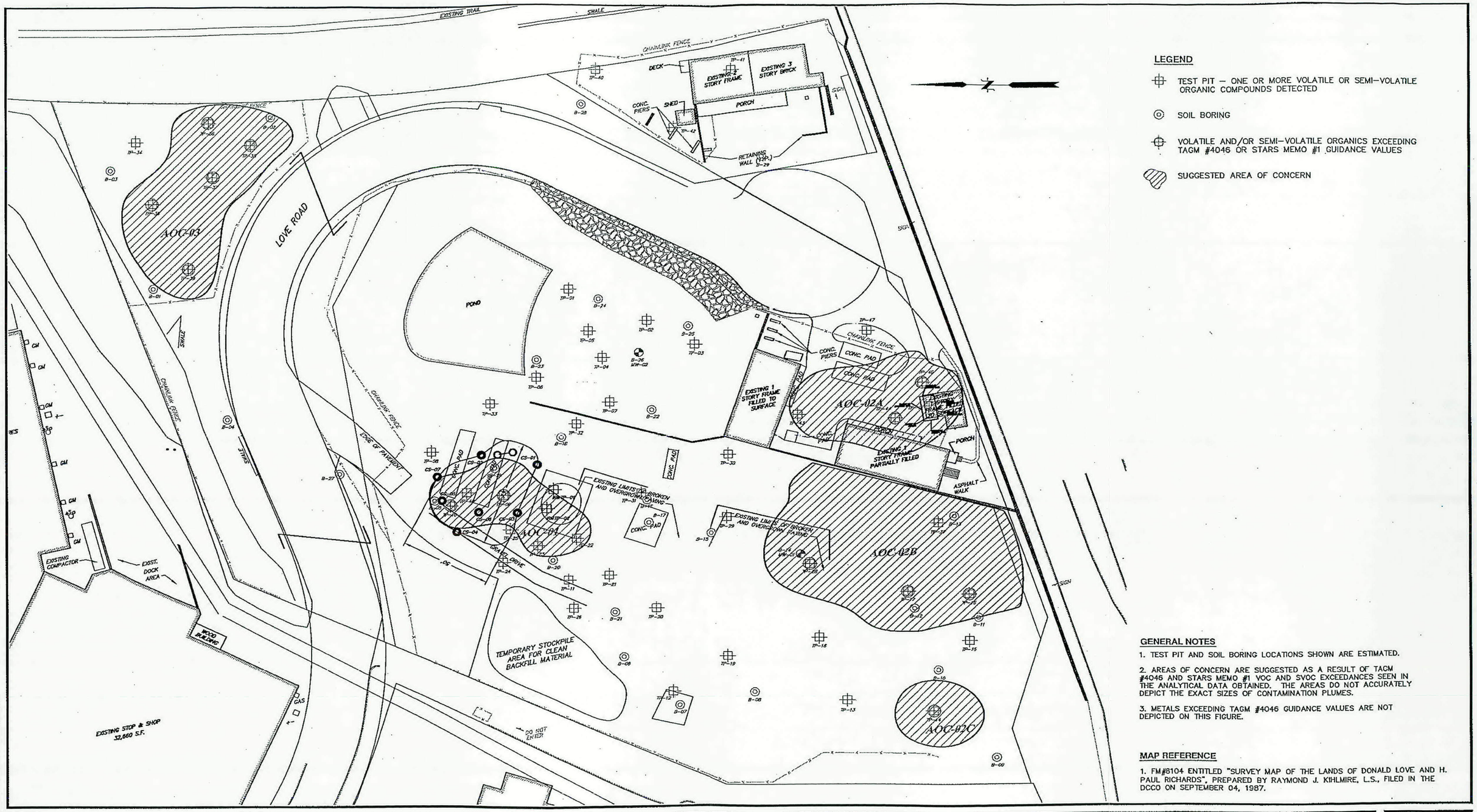
Sample ID	767070724-01	767070724-02	767070724-03	767070724-04	767070724-05	767070724-06	767070724-07	STARS Memo #1
Date	7/24/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007	Guidance Values
Compound								(µg/kg)
Volatile Organics, Method 8260 (STARS), µg/kg								
1,2,4-Trimethylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
1,3,5-Trimethylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
Benzene	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	0.7
Ethylbenzene	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	5
Isopropyl Benzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
m-Xylene, p-Xylene	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	5
Methyl-tert-Butyl-Ether (MTBE)	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	50
n-Butylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
n-Propylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
Naphthalene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	10
o-Xylene	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	5
p-Isopropyltoluene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
sec-Butylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
tert-Butylbenzene	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	ND < 1	5
Toluene	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	5
Total Xylenes	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	ND < 2	5
Semi-Volatile Organics, Method 8270 (STARS), µg/kg								
Acenaphthene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	20
Acenaphthylene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	N/A
Anthracene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	50
Benzo(a)anthracene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Benzo(a)pyrene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Benzo(b)fluoranthene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Benzo(g,h,i)perylene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Benzo(k)fluoranthene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Chrysene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Dibenzo(a,h)anthracene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	50
Fluoranthene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Fluorene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	50
Indeno(1,2,3-cd)pyrene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	0.002
Naphthalene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	10
Phenanthrene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	50
Pyrene	ND < 330	ND < 320	ND < 320	ND < 320	ND < 330	ND < 330	ND < 320	50
Total Petroleum Hydrocarbons, Method 418.1, mg/kg								
TPH	ND < 51	ND < 23	ND < 23	71	ND < 22	140	ND < 24	N/A

Notes:

1. The STARS guidance values presented represent the TCLP Extraction Guidance Values as presented in STARS Memo #1. These values are the most stringent of those listed.
2. ND = compound not detected above the specified reporting limit.
3. N/A = guidance not available for this analysis.

FIGURES

2 Love Road BCP Site



LEGEND

- TEST PIT – ONE OR MORE VOLATILE OR SEMI-VOLATILE ORGANIC COMPOUNDS DETECTED
- SOIL BORING
- VOLATILE AND/OR SEMI-VOLATILE ORGANICS EXCEEDING TAGM #4046 OR STARS MEMO #1 GUIDANCE VALUES
- SUGGESTED AREA OF CONCERN

GENERAL NOTES

1. TEST PIT AND SOIL BORING LOCATIONS SHOWN ARE ESTIMATED.
2. AREAS OF CONCERN ARE SUGGESTED AS A RESULT OF TACM #4046 AND STARS MEMO #1 VOC AND SVOC EXCEEDANCES SEEN IN THE ANALYTICAL DATA OBTAINED. THE AREAS DO NOT ACCURATELY DEPICT THE EXACT SIZES OF CONTAMINATION PLUMES.
3. METALS EXCEEDING TAGM #4046 GUIDANCE VALUES ARE NOT DEPICTED ON THIS FIGURE.

MAP REFERENCE

1. FM#8104 ENTITLED "SURVEY MAP OF THE LANDS OF DONALD LOVE AND H. PAUL RICHARDS", PREPARED BY RAYMOND J. KIHLMIRE, L.S., FILED IN THE DCCO ON SEPTEMBER 04, 1987.

No.	DATE	DESCRIPTION	BY
1.			

REVISIONS

PROJ. MANAGER:
CHIEF DESIGNER:
REVIEWED BY: DATE

SCALE:
HORZ.: 1" = 60'
VERT.:
DATUM:
HORZ.:
VERT.:
0 30 60
GRAPHIC SCALE

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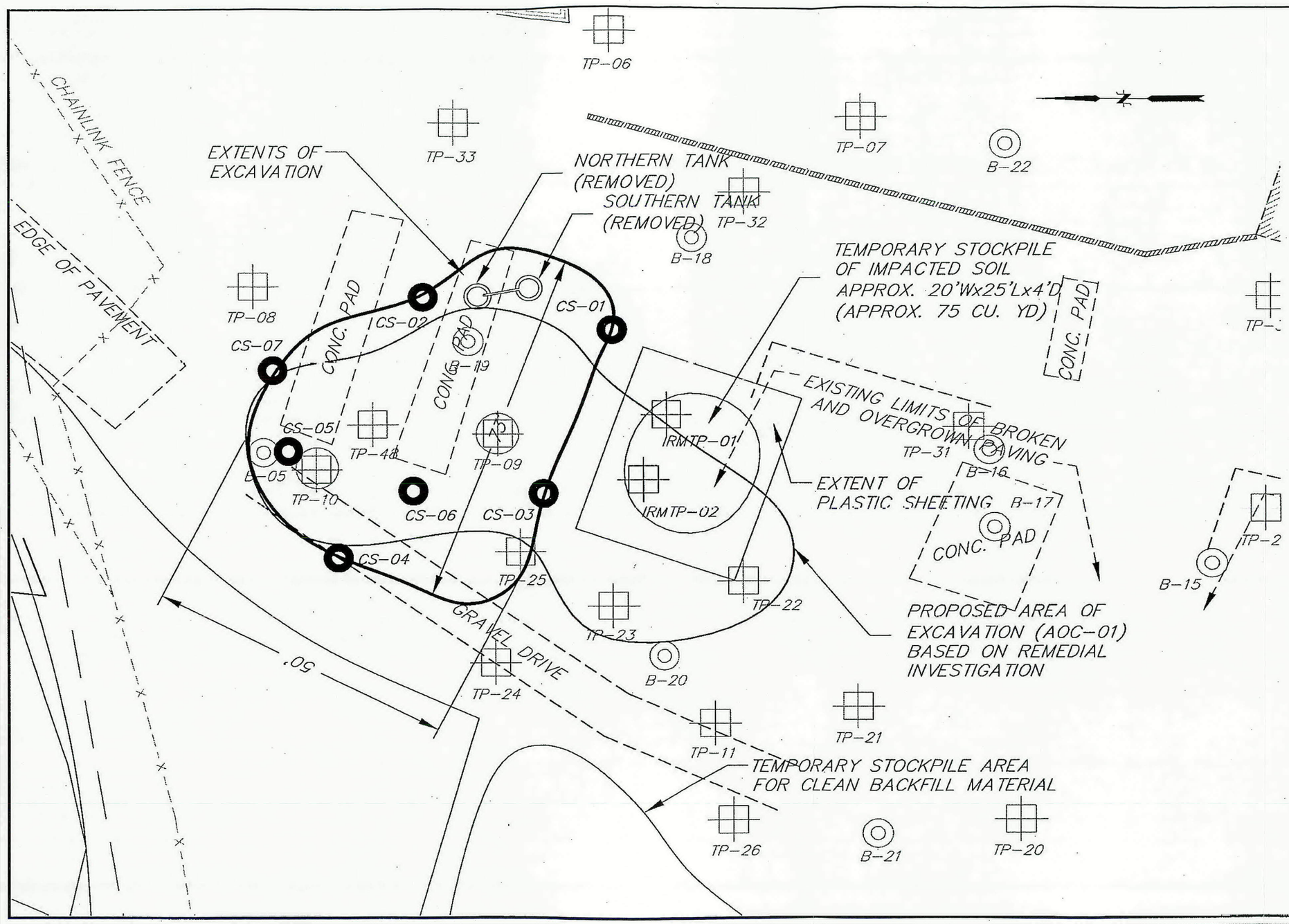
HERBERT REDL PROPERTIES
SOIL EXCAVATION IRM
SITE PLAN
2 LOVE ROAD

TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, NEW YORK

PROJ. No.: 20040761.ASN
DATE: AUGUST 2007

FIG. 1



LEGEND

- TEST PIT – ONE OR MORE VOLATILE OR SEMI-VOLATILE ORGANIC COMPOUNDS DETECTED
- SOIL BORING
- VOLATILE AND/OR SEMI-VOLATILE ORGANICS EXCEEDING TAGM #4046 OR STARS MEMO #1 GUIDANCE VALUES
- IRM CONFIRMATORY SOIL SAMPLE

GENERAL NOTES

1. TEST PIT AND SOIL BORING LOCATIONS SHOWN ARE ESTIMATED.
2. AREAS OF CONCERN ARE SUGGESTED AS A RESULT OF TAGM #4046 AND STARS MEMO #1 VOC AND SVOC EXCEEDANCES SEEN IN THE ANALYTICAL DATA OBTAINED. THE AREAS DO NOT ACCURATELY DEPICT THE EXACT SIZES OF CONTAMINATION PLUMES.
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SCALE: HORZ: 1" = 20' VERT.:
DATUM: HORZ.: VERT.:
0 10 20
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HERBERT REDL PROPERTIES
SOIL EXCAVATION IRM
AREA OF EXCAVATION
2 LOVE ROAD
TOWN OF POUGHKEEPSIE DUTCHESS COUNTY, NEW YORK

PROJ. No.: 20040761.ASN
DATE: AUGUST 2007

FIG. 2

CTB: LMAN: MS VIEW: JOB: WORLD

APPENDIX A

2 Love Road BCP Site Photographs

Photo 1: Area cleared by Volunteer prior to soil excavation work.

Photo 2: Non-impacted surficial soil cleared from the excavation area.

Photo 3: Bedrock scraped clean at the western portion of the excavation.

Photo 4: Removal of the likely source of impacts – assumed to be a field-fabricated oil/water separator.

Photo 5: A view of the northern tank and the excavation where the southern tank formerly sat. The clay confining material can be seen in the background and shale bedrock in the foreground.

Photo 6: A view of the extents of the excavation. The easternmost portion is being backfilled.

APPENDIX B

2 Love Road BCP Site
Analytical Data

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:28
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34970

Laboratory Data

Client ID: 2 LOVE RD 767070724-01

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	78		%	07/25/07		W\C\IDB	E160.3
Tot.Petroleum HC	< 51	51	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	97		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	330	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-01 Phoenix I.D.: AJ34970

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	74		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	69		%	07/26/07		HM	SW 8270
% Terphenyl-d14	83		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
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24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:32
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34971

Laboratory Data

Client ID: 2 LOVE RD 767070724-02

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	07/25/07		W\C\IDB	E160.3
Tot.Petroleum HC	< 23	23	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	97		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	320	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-02 Phoenix I.D.: AJ34971

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	83		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	74		%	07/26/07		HM	SW 8270
% Terphenyl-d14	90		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:55
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34972

Laboratory Data

Client ID: 2 LOVE RD 767070724-03

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	86		%	07/25/07		W\C\IDB	E160.3
Tot.Petroleum HC	< 23	23	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	96		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	320	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-03 Phoenix I.D.: AJ34972

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	83		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	75		%	07/26/07		HM	SW 8270
% Terphenyl-d14	88		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:40
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34973

Laboratory Data

Client ID: 2 LOVE RD 767070724-04

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	88		%	07/25/07		WC\IDB	E160.3
Tot.Petroleum HC	71	23	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	96		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	320	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-04 Phoenix I.D.: AJ34973

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	91		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	86		%	07/26/07		HM	SW 8270
% Terphenyl-d14	92		%	07/26/07		HM	SW 8270

Comments

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:48
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34974

Laboratory Data

Client ID: 2 LOVE RD 767070724-05

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	89		%	07/25/07		WI\CIDB	E160.3
Tot.Petroleum HC	< 22	22	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	96		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	330	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-05 Phoenix I.D.: AJ34974

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	86		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	81		%	07/26/07		HM	SW 8270
% Terphenyl-d14	88		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:52
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34975

Laboratory Data

Client ID: 2 LOVE RD 767070724-06

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	88		%	07/25/07		WC\IDB	E160.3
Tot.Petroleum HC	140	23	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	93		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	330	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-06 Phoenix I.D.: AJ34975

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	330	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	92		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	86		%	07/26/07		HM	SW 8270
% Terphenyl-d14	95		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

July 30, 2007

FOR: Attn: Ms. Lisa Gwiazdowski
Fuss & O'Neill, Inc.
24 Madison Ave. Ext
Albany, NY 12203

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	LG	07/24/07	13:55
Location Code:	F&O-NY	Received by:	LP	07/25/07	9:15
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	20040761.A5N				

SDG I.D.: GAJ34970
Phoenix I.D.: AJ34976

Laboratory Data

Client ID: 2 LOVE RD 767070724-07

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	84		%	07/25/07		W\C\IDB	E160.3
Tot.Petroleum HC	< 24	24	mg/Kg	07/27/07		LK	E418.1
Soil Ext. Semi-Vol BN	Completed			07/25/07		C/E	SW3545
Volatile Organic Compounds							
1,2,4-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
1,3,5-Trimethylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Benzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Ethylbenzene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Isopropylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
m&p-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Methyl t-Butyl Ether (MTBE)	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
n-Propylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Naphthalene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
o-Xylene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
p-Isopropyltoluene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
sec-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
tert-Butylbenzene	ND	1	ug/Kg	07/25/07		R/J	8021/8260
Toluene	ND	2	ug/Kg	07/25/07		R/J	8021/8260
Total Xylenes	ND	2	ug/Kg	07/25/07		R/J	8021/8260
QA/QC Surrogates							
% Bromofluorobenzene	98		%	07/25/07		R/J	8021/8260
Semivolatiles							
Acenaphthene	ND	320	ug/Kg	07/26/07		HM	SW 8270

Client ID: 2 LOVE RD 767070724-07 Phoenix I.D.: AJ34976

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benz(a)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(a)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(b)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(ghi)perylene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Benzo(k)fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Chrysene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Dibenz(a,h)anthracene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluoranthene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Fluorene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Naphthalene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Phenanthrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
Pyrene	ND	320	ug/Kg	07/26/07		HM	SW 8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	84		%	07/26/07		HM	SW 8270
% Nitrobenzene-d5	82		%	07/26/07		HM	SW 8270
% Terphenyl-d14	90		%	07/26/07		HM	SW 8270

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 30, 2007

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 80893, Sample No: AJ34974 (AJ34970, AJ34971, AJ34972, AJ34973, AJ34974, AJ34975, AJ34976)								
Tot.Petroleum HC	BDL	NC	105			82		

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
July 30, 2007

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

July 30, 2007

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 80651, Sample No: AJ34720 (AJ34970, AJ34971, AJ34972, AJ34973, AJ34974, AJ34975, AJ34976)							
TPH by GC (Extractable Products)							
Aviation Fuel/Kerosene	ND						
Fuel Oil #2/ Diesel Fuel	ND	87	83	4.7	88	92	4.4
Fuel Oil #4	ND						
Fuel Oil #6	ND						
Motor Oil	ND						
Other Oil (Cutting & Lubricating)	ND						
Unidentified	ND						
QA/QC Batch 80802, Sample No: AJ34970 (AJ34970)							
Volatiles							
1,1,1,2-Tetrachloroethane	ND	98	95	3.1	88	83	5.8
1,1,1-Trichloroethane	ND	92	91	1.1	90	86	4.5
1,1,2,2-Tetrachloroethane	ND	88	87	1.1	83	79	4.9
1,1,2-Trichloroethane	ND	95	94	1.1	88	82	7.1
1,1-Dichloroethane	ND	91	90	1.1	85	82	3.6
1,1-Dichloroethene	ND	86	86	0.0	83	80	3.7
1,1-Dichloropropene	ND	96	96	0.0	92	87	5.6
1,2,3-Trichlorobenzene	ND	107	104	2.8	73	69	5.6
1,2,3-Trichloropropane	ND	91	90	1.1	77	72	6.7
1,2,4-Trichlorobenzene	ND	103	98	5.0	71	65	8.8
1,2,4-Trimethylbenzene	ND	98	96	2.1	80	76	5.1
1,2-Dibromo-3-chloropropane	ND	109	102	6.6	91	88	3.4
1,2-Dichlorobenzene	ND	94	92	2.2	73	69	5.6
1,2-Dichloroethane	ND	91	90	1.1	82	76	7.6
1,2-Dichloropropane	ND	97	95	2.1	87	81	7.1
1,3,5-Trimethylbenzene	ND	96	94	2.1	81	76	6.4
1,3-Dichlorobenzene	ND	94	92	2.2	74	70	5.6
1,3-Dichloropropane	ND	99	97	2.0	88	81	8.3
1,4-Dichlorobenzene	ND	97	94	3.1	75	70	6.9
2,2-Dichloropropane	ND	94	93	1.1	87	85	2.3
2-Chlorotoluene	ND	95	94	1.1	80	75	6.5
4-Chlorotoluene	ND	97	95	2.1	78	72	8.0
Benzene	ND	97	97	0.0	88	81	8.3

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Bromobenzene	ND	93	92	1.1	77	73	5.3
Bromochloromethane	ND	96	95	1.0	87	83	4.7
Bromodichloromethane	ND	94	94	0.0	85	78	8.6
Bromoform	ND	99	96	3.1	83	78	6.2
Bromomethane	ND	79	87	9.6	75	60	22.2
Carbon tetrachloride	ND	95	93	2.1	89	86	3.4
Chlorobenzene	ND	96	97	1.0	85	80	6.1
Chloroethane	ND	38	37	2.7	27	28	3.6
Chloroform	ND	92	93	1.1	85	82	3.6
Chloromethane	ND	92	93	1.1	74	71	4.1
cis-1,2-Dichloroethene	ND	98	99	1.0	91	87	4.5
cis-1,3-Dichloropropene	ND	101	100	1.0	79	72	9.3
Dibromochloromethane	ND	101	101	0.0	86	82	4.8
Dibromoethane	ND	102	101	1.0	91	83	9.2
Dibromomethane	ND	96	95	1.0	87	81	7.1
Dichlorodifluoromethane	ND	108	108	0.0	66	65	1.5
Ethylbenzene	ND	99	99	0.0	90	85	5.7
Hexachlorobutadiene	ND	103	102	1.0	71	66	7.3
Isopropylbenzene	ND	104	106	1.9	85	81	4.8
m&p-Xylene	ND	99	99	0.0	88	83	5.8
Methyl Ethyl Ketone	ND						
Methyl t-Butyl Ether (MTBE)	ND	105	105	0.0	86	79	8.5
Methylene chloride	ND	85	84	1.2	74	69	7.0
n-Butylbenzene	ND	102	100	2.0	80	75	6.5
n-Propylbenzene	ND	96	95	1.0	81	78	3.8
Naphthalene	ND	116	113	2.6	92	90	2.2
o-Xylene	ND	101	100	1.0	85	80	6.1
p-Isopropyltoluene	ND	104	100	3.9	80	75	6.5
sec-Butylbenzene	ND	89	89	0.0	80	76	5.1
Styrene	ND	104	101	2.9	83	77	7.5
tert-Butylbenzene	ND	99	98	1.0	85	81	4.8
Tetrachloroethene	ND	99	100	1.0	90	85	5.7
Toluene	ND	98	97	1.0	89	82	8.2
Total Xylenes	ND						
trans-1,2-Dichloroethene	ND	87	86	1.2	79	77	2.6
trans-1,3-Dichloropropene	ND	101	99	2.0	79	72	9.3
Trichloroethene	ND	95	97	2.1	90	84	6.9
Trichlorofluoromethane	ND	85	85	0.0	79	78	1.3
Vinyl chloride	ND	98	98	0.0	76	75	1.3
% 1,2-dichlorobenzene-d4	97	99	103	4.0	101	101	0.0
% Bromofluorobenzene	98	99	103	4.0	102	100	2.0
% Dibromofluoromethane	99	101	97	4.0	105	105	0.0

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
% Toluene-d8	95	100	99	1.0	100	99	1.0
QA/QC Batch 80739, Sample No: AJ34970 (AJ34970, AJ34971, AJ34972, AJ34973, AJ34974, AJ34975, AJ34976)							
Polynuclear Aromatic HC							
2-Methylnaphthalene	ND	93	95	2.1	85	93	9.0
Acenaphthene	ND	95	97	2.1	85	90	5.7
Acenaphthylene	ND	97	101	4.0	90	95	5.4
Anthracene	ND	102	105	2.9	93	99	6.3
Benz(a)anthracene	ND	98	103	5.0	91	96	5.3
Benzo(a)pyrene	ND	97	104	7.0	90	96	6.5
Benzo(b)fluoranthene	ND	105	111	5.6	97	104	7.0
Benzo(ghi)perylene	ND	106	105	0.9	91	94	3.2
Benzo(k)fluoranthene	ND	103	115	11.0	101	105	3.9
Chrysene	ND	102	108	5.7	93	98	5.2
Dibenz(a,h)anthracene	ND	113	113	0.0	97	102	5.0
Fluoranthene	ND	110	114	3.6	102	105	2.9
Fluorene	ND	102	105	2.9	95	100	5.1
Indeno(1,2,3-cd)pyrene	ND	112	111	0.9	96	99	3.1
Naphthalene	ND	88	91	3.4	81	88	8.3
Phenanthrene	ND	106	108	1.9	95	101	6.1
Pyrene	ND	108	112	3.6	99	103	4.0
% 2-Fluorobiphenyl	85	88	93	5.5	82	86	4.8
% Nitrobenzene-d5	77	77	81	5.1	71	77	8.1
% Terphenyl-d14	98	99	105	5.9	93	93	0.0
QA/QC Batch 80801, Sample No: AJ34974 (AJ34970, AJ34971, AJ34972, AJ34973, AJ34974, AJ34975, AJ34976)							
Volatiles							
1,1,1,2-Tetrachloroethane	ND	100	96	4.1	92	87	5.6
1,1,1-Trichloroethane	ND	93	90	3.3	87	83	4.7
1,1,2,2-Tetrachloroethane	ND	96	86	11.0	93	88	5.5
1,1,2-Trichloroethane	ND	100	90	10.5	99	89	10.6
1,1-Dichloroethane	ND	93	90	3.3	86	81	6.0
1,1-Dichloroethene	ND	84	83	1.2	84	79	6.1
1,1-Dichloropropene	ND	96	90	6.5	94	89	5.5
1,2,3-Trichlorobenzene	ND	116	110	5.3	82	81	1.2
1,2,3-Trichloropropane	ND	99	90	9.5	99	82	18.8
1,2,4-Trichlorobenzene	ND	111	106	4.6	81	81	0.0
1,2,4-Trimethylbenzene	ND	99	96	3.1	91	84	8.0
1,2-Dibromo-3-chloropropane	ND	122	106	14.0	102	107	4.8
1,2-Dichlorobenzene	ND	96	90	6.5	83	79	4.9
1,2-Dichloroethane	ND	95	87	8.8	90	82	9.3
1,2-Dichloropropane	ND	96	93	3.2	93	87	6.7
1,3,5-Trimethylbenzene	ND	98	94	4.2	86	81	6.0

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,3-Dichlorobenzene	ND	97	94	3.1	82	80	2.5
1,3-Dichloropropane	ND	103	96	7.0	100	93	7.3
1,4-Dichlorobenzene	ND	103	98	5.0	86	82	4.8
2,2-Dichloropropane	ND	96	93	3.2	91	86	5.6
2-Chlorotoluene	ND	97	94	3.1	86	80	7.2
4-Chlorotoluene	ND	101	97	4.0	87	82	5.9
Benzene	ND	97	92	5.3	92	86	6.7
Bromobenzene	ND	97	93	4.2	85	79	7.3
Bromochloromethane	ND	99	95	4.1	93	86	7.8
Bromodichloromethane	ND	97	91	6.4	89	84	5.8
Bromoform	ND	108	99	8.7	91	89	2.2
Bromomethane	ND	83	73	12.8	67	61	9.4
Carbon tetrachloride	ND	91	89	2.2	87	83	4.7
Chlorobenzene	ND	99	94	5.2	90	84	6.9
Chloroethane	ND	74	78	5.3	35	70	66.7
Chloroform	ND	95	92	3.2	87	80	8.4
Chloromethane	ND	80	79	1.3	71	69	2.9
cis-1,2-Dichloroethene	ND	101	98	3.0	95	86	9.9
cis-1,3-Dichloropropene	ND	107	98	8.8	100	93	7.3
Dibromochloromethane	ND	107	99	7.8	94	91	3.2
Dibromoethane	ND	107	99	7.8	105	96	9.0
Dibromomethane	ND	101	92	9.3	98	88	10.8
Dichlorodifluoromethane	ND	102	101	1.0	66	62	6.3
Ethylbenzene	ND	102	97	5.0	94	88	6.6
Hexachlorobutadiene	ND	109	104	4.7	73	76	4.0
Isopropylbenzene	ND	108	103	4.7	89	84	5.8
m&p-Xylene	ND	101	99	2.0	93	89	4.4
Methyl Ethyl Ketone	ND						
Methyl t-Butyl Ether (MTBE)	ND	105	99	5.9	97	90	7.5
Methylene chloride	ND	83	80	3.7	77	72	6.7
n-Butylbenzene	ND	107	104	2.8	90	86	4.5
n-Propylbenzene	ND	98	95	3.1	84	83	1.2
Naphthalene	ND	141	129	8.9	108	101	6.7
o-Xylene	ND	105	99	5.9	91	86	5.6
p-Isopropyltoluene	ND	104	100	3.9	89	85	4.6
sec-Butylbenzene	ND	92	89	3.3	85	80	6.1
Styrene	ND	107	102	4.8	91	87	4.5
tert-Butylbenzene	ND	101	97	4.0	89	84	5.8
Tetrachloroethene	ND	99	95	4.1	95	90	5.4
Toluene	ND	97	93	4.2	93	87	6.7
Total Xylenes	ND						
trans-1,2-Dichloroethene	ND	87	85	2.3	83	78	6.2

QA/QC Data

SDG I.D.: GAJ34970

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
trans-1,3-Dichloropropene	ND	106	101	4.8	99	91	8.4
Trichloroethene	ND	97	93	4.2	93	88	5.5
Trichlorofluoromethane	ND	78	81	3.8	82	76	7.6
Vinyl chloride	ND	93	92	1.1	24	22	8.7
% 1,2-dichlorobenzene-d4	98	102	100	2.0	101	100	1.0
% Bromofluorobenzene	97	102	100	2.0	103	103	0.0
% Dibromofluoromethane	103	101	103	2.0	102	101	1.0
% Toluene-d8	94	99	98	1.0	101	100	1.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
July 30, 2007

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

July 30, 2007

SDG I.D.: GAJ34970

The samples in this delivery group were received at 8C.
(Note acceptance criteria is above freezing up to 6C)
