IMMEDIATE RESPONSE ACTION STATUS REPORT AND MODIFICATION PLAN

Prepared for:
Eagle Gas, Inc., 131 Main Street, Carver, MA
DEP RTN 4-17582

Prepared by:
Decoulos & Company

Date: November 5, 2004

DECOULOS & COMPANY
ENVIRONMENTAL ENGINEERING & LAND PLANNING

VIA EMAIL AND USPS FIRST CLASS MAIL

Friday, November 05, 2004

Jonathan E. Hobill, Regional Engineer
DEP Bureau of Waste Site Cleanup
20 Riverside Drive
Lakeville, MA 02347

RE: Immediate Response Action Plan Status Report and IRA Plan Modification No. 2; 131 Main Street, Carver (the Site); RTN 4-17582; NON-SE-03-3T-103

Dear Mr. Hobill:

On behalf of Eagle Gas, Inc., Decoulos & Company is pleased to submit this status report and second proposed modification to the Immediate Response Action (IRA) Plan for the above referenced release.

A discovery of petroleum Non-Aqueous Phase Liquid (NAPL) in monitoring well BP-5RR was reported to the Department on January 21, 2003. To address the NAPL discovery, an Immediate Response Action (IRA) Plan was submitted on March 17, 2003 and a status report was subsequently filed on July 3, 2003. As a result of the failure to comply with the timelines for IRA status reports set forth in 310 CMR 40.0425, the Department requested a status report and modification of the IRA Plan on March 19, 2004 (NON-SE-03-3T-103).

An IRA Status Report and proposed modification to the IRA Plan was submitted to the Department on June 15, 2004. The Department subsequently denied the IRA Plan Modification due to insufficient supporting documentation to justify passive NAPL recovery; insufficient delineation of NAPL; the threat of a proposed interceptor trench creating new contaminant pathways; irregular NAPL recovery actions; lack of a proposed plan to monitor and control the migration of NAPL; and, the failure of the PRP to propose an active NAPL recovery system.

GROUNDWATER SAMPLING

On June 3, 2004, groundwater was sampled from existing monitoring wells. A comparative summary of the results is provided in the attached Table 1. The summary also provides data from sampling conducted on June 12, 2003. Certificates of Analysis are provided in Appendix A.

The results continue to show that the diesel release is not migrating along a preferential pathway outside the 15 inch reinforced concrete stormwater drain pipe along Main Street. Additionally, results from microwell BP-1 (across Main Street on property of William Holmes) do not show any impact from either the diesel release (4-17582) or the dissolved gasoline release (RTN 4-13333).

ADDITIONAL WELL INSTALLATIONS

On August 17 and 18, 2004, Technical Drilling Services, Inc. (TDS) of Sterling, MA completed a combination of four inch wells and one inch microwells on the Site and within the Main Street right-of-way. The four inch wells were spun with a hollow stem auger mounted on a GeoProbe 6610DT direct push probe machine. The small unit was necessary to avoid contact with overhead utility lines.

Four inch wells ERW-1 and ERW-2 were completed on August 17th and their location is shown on the attached Figure 1. Soil samples were not collected during the advancement of the auger and the total depth of both wells was approximately 13 feet below grade. Also on the 17th, microwells DCW-4, DCW-5 and DCW-6 were established as shown on Figure 1. Each of these microwells were advanced to a total depth of approximately 15 feet below grade.

A composite sample from the 10 to 15 foot interval was collected from DCW-4 and analyzed for volatile petroleum hydrocarbons (VPH). The results of the analysis show no detectable concentration of any VPH fraction. Certificates of Analysis are provided in Appendix A.

Four inch wells ERW-3 and ERW-4 were completed on August 18th and their location is shown on the attached Figure 1. Soil samples were not collected during the advancement of the auger and the total depth of both wells was approximately 13 feet below grade. Also on the 18th, microwells DCW-7 and DCW-8 were established as shown on Figure 1. Each of these microwells were advanced to a total depth of approximately 15 feet below grade.

Due to the visual and olfactory evidence of petroleum impact at DCW-7, two composite samples between 5 and 15 feet were collected and analyzed for volatile petroleum hydrocarbons (VPH). At approximately seven feet below grade, approximately 14 inches of pure petroleum saturated soil was observed within the DCW-7 core sample. The results of the analysis show elevated concentrations of VPH fractions. The elevated readings were slightly above Method 1 S2/GW1 Standards in the MCP. Extractable petroleum hydrocarbons (EPHs) were not analyzed. Certificates of Analysis are provided in Appendix A.

The product observation at DCW-7 raised immediate concerns of impact to indoor air quality at the commercial/residential structure. On August 26, 2004, a Summa cannister was set in a closed room on the second floor of the residence to measure indoor air concentrations of air phase hydrocarbons (APH). The canister was regulated for steady intake over a 24 hour period and submitted to GeoLabs, Inc. of Braintree, MA for analysis. A Certificates of Analysis is provided in Appendix A.

Results from the APH analysis show no detectable concentration of the APH constituents. Detectable concentrations of benzene, ethylbenzene, toluene and xylenes were identified just above reportable limits. The maximum concentration identified, 10.3 ug/m^3, would not be expected to pose a threat to public health.

NAPL MEASUREMENTS AND RECOVERY

On August 26, 2004, a site visit was conducted to measure the apparent NAPL thickness at all impacted wells using a Solinst Oil/Water Interface probe. Results from the measurements are provided on the attached Table 2.

A site visit was also conducted on October 7, 2004 with Department representative Cynthia Baran and LSP David Bennett, representing the PRP Richard Nantais. NAPL measurements were again recorded with a Solinst Oil/Water Interface probe and are presented in Table 2.

Significant increases in overall NAPL depths occurred in the four inch wells during the 42 day period between site visits. NAPL depth increases are highlighted in Table 2 and noted next to each four inch well on Figure 1.

NAPL recovery resumed on October 7th (the last recorded NAPL collection effort ended on May 3, 2004 as reported in the IRA Status Report dated June 15, 2004). Signed NAPL Withdrawal Forms are provided in Appendix B.

The NAPL recovery has been performed by PRP Najib Badaoui, President of Eagle Gas, Inc., with direct oversight by LSP James J. Decoulos. Decoulos conducted site inspections on October 14th, October 28th and November 1st.

On October 28, 2004, a four-inch diameter Keck passive recovery canister (PRC) skimmer, with a four-liter capacity, was placed in well ERW-2 to more accurately measure the rate of NAPL recovery. Product information and schematic diagrams of the unit are provided in Appendix C. After an initial recovery of over 3 liters the first day, NAPL recovery to well ERW-2 has subsequently diminished to less than 1 liter per day.

IRA PLAN MODIFICATION

The recent evaluation and recovery of NAPL demonstrates that the recovery of diesel fuel from existing well points can be accomplished with passive recovery mechanisms. However, this collection effort is not sufficient, by itself, to address the probable migration of NAPL and dissolved diesel constituents underneath the Main Street surface. Past findings have shown that groundwater is migrating to the east - towards the private residence of William Holmes.

Eagle Gas therefore proposes to implement a groundwater treatment system that withdraws groundwater from wells ERW-1 and ERW-4 at a rate sufficient to pull NAPL and dissolved diesel constituents back to its property. The groundwater will be pumped to a treatment trailer, treated and be discharged into the ground via infiltration chambers. The proposed layout is shown on Figure 1.

Prior to specifying and sizing a suitable pump, a pump test will need to be conducted from both wells. The pump test will require the installation of additional microwells across Main Street to measure the depression effects of pumping from ERW-1 and ERW-4. Proposed microwells are shown on Figure 1.

Once either ERW-1 or ERW-4 is selected as the groundwater withdrawal source, the remaining well will be fitted with a Keck PRC skimmer (i.e. if ERW-1 is used to withdraw and depress groundwater, ERW-4 will be fitted with the skimmer). Additionally, well ERW-2 will continue to be fitted with a Keck PRC skimmer. Based upon NAPL recovery rates recently measured, it is anticipated that the skimmer units will need to be checked and emptied three times per week.

It is anticipated that groundwater withdrawal from either ERW-1 or ERW-4 will collect both NAPL and dissolved phase diesel constituents. The pump, either a submersible unit or a jet pump located in the trailer, shall therefore be explosion proof and capable of pumping diesel product. Inside the trailer, the pump outlet will discharge to a 300 gallon separation tank that will provide for NAPL to be stabilized and separated. A skimming unit shall be set in the separation tank to collect NAPL and the groundwater will be treated through two activated carbon drums and discharged into the groundwater infiltration galleries. A 55 gallon drum shall be located in the trailer to collect NAPL.

Sampling of groundwater shall occur on a weekly basis at the inlet and outlet of the activated carbon drums. The groundwater shall be analyzed for both EPH and VPH fractions.

The system will continue to operate in this prescribed manner until NAPL has been recovered to a sheen. This milestone will not be considered achieved until both PRC skimmers and the separation tank show no NAPL recovery for a continuous three week period.

Once NAPL has been adequately removed, a second phase of treatment will commence. This phase will involve the introduction of chemical oxidants to the soil and groundwater. Depending on the hydraulic conductivity of the subsurface, the oxidants may be introduced directly into the existing four inch wells or into an infiltration trench across Main Street as shown in Figure 1.

The selection and application of oxidant will depend upon the permeability of the underlying soils. If it is determined from the pump test that the underlying materials are highly permeable, hydrogen peroxide (H_2O_2) shall be injected with an iron catalyst to chemically degrade the remaining diesel constituents. The application is commonly referred to as a Fenton's Reagent treatment. The concentration of the peroxide shall be approximately 25% with an equal volume of dilute iron catalyst added at a concentration of 100 ppm.

A determination of lower hydraulic conductivity will revise the oxidant selection to persulfate (S_2O_8). Persulfate has been shown to be an effective oxidant of diesel product with a significantly longer persistence than peroxide.

Both oxidants are considered safe for application in a GW1 area and do not create precipitates. Further details of the application and monitoring of the peroxide or persulfate oxidants will be provided to the Department after the completion of the pump test.

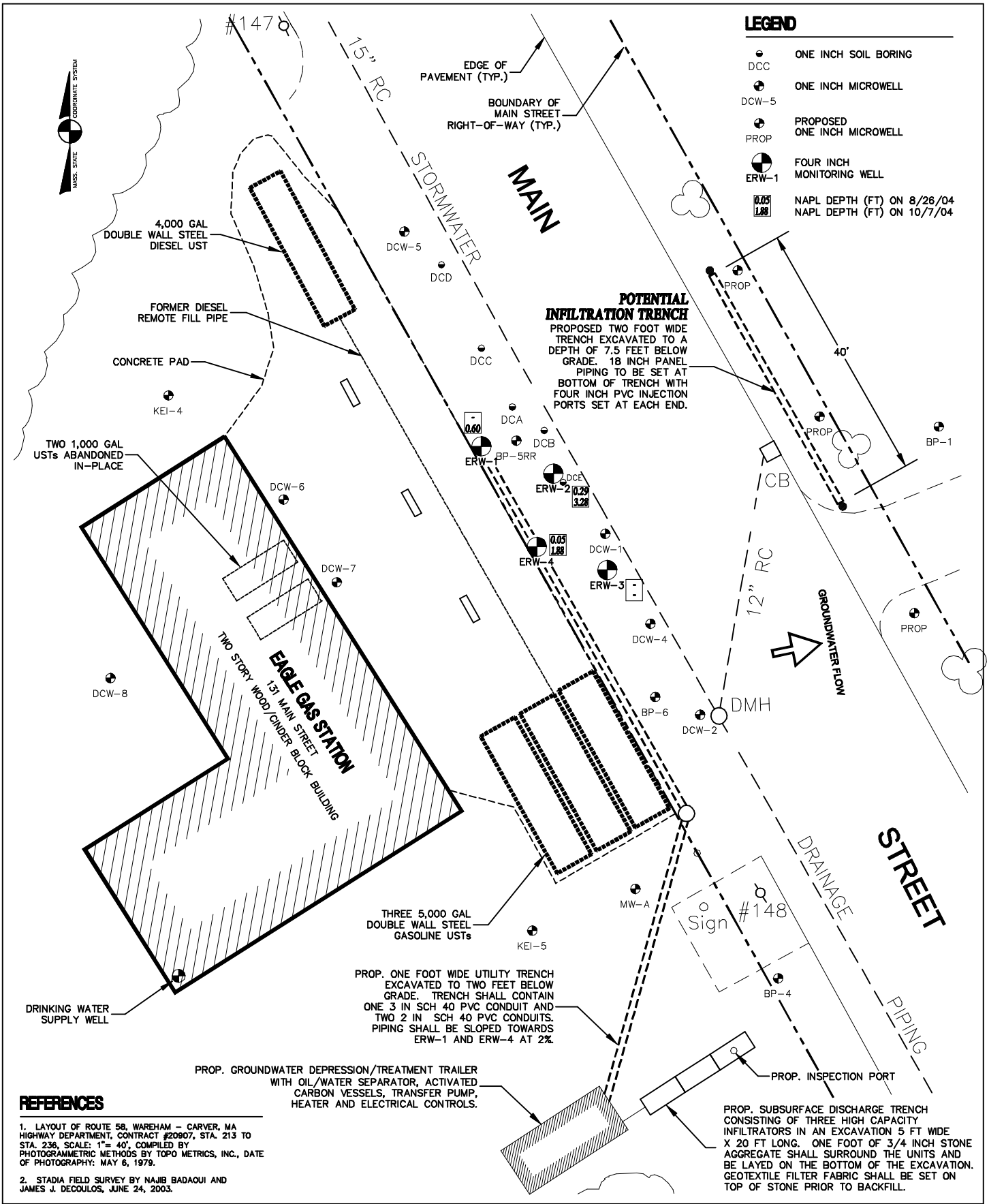
Eagle Gas appreciates the Department's patience and cooperation in resolving the remediation of this release. As you know, part of the delay associated with an appropriate response has been that the work to be conducted is mostly within the Main Street right-of-way controlled by the Town of Carver. The Carver Board of Selectmen voted on October 12, 2004 to endorse a license agreement between Eagle and the Town, which provides authority to conduct these proposed actions.

We look forward to your continued understanding and support. Please feel free to call or email if you have any questions or concerns. Thank you.

Very truly yours,

James J. Decoulos, PE, LSP
jamesj@decoulos.com

cc: Francis J. Casey, Carver Board of Selectmen
Robert C. Tinkham, Jr., Carver Board of Health
Sarah G. Hewins, Carver Conservation Commission
William A. Halunen, Carver Department of Public Works
Dana E. Harriman, Carver Fire Department
Mark R. Reich, Esq., Kopelman and Paige, P.C.
Donald P. Nagle, Esq.
David Bennett, Bennett & O'Reilly, Inc.
Theodore L. Bosen, Esq.
Najib Badaoui, Eage Gas, Inc.



REFERENCES

1. LAYOUT OF ROUTE 58, WAREHAM – CARVER, MA HIGHWAY DEPARTMENT, CONTRACT #20907, STA. 213 TO STA. 236, SCALE: 1"= 40', COMPILED BY PHOTOGRAMMETRIC METHODS BY TOPO METRICS, INC., DATE OF PHOTOGRAPHY: MAY 6, 1979.

2. STADIA FIELD SURVEY BY NAJIB BADAOUI AND JAMES J. DECOULOS, JUNE 24, 2003.

DECOULOS & COMPANY
3 ELECTRONICS AVE, DANVERS, MA 01923
WWW.DECOULOS.COM
617.489.7795

PROP. GROUNDWATER TREATMENT EAGLE GAS STATION CARVER, MASSACHUSETTS

DATE
OCT 2004
SCALE
1"= 20'
FIGURE NO.
1

Table 1
Positive Lab Results for Groundwater Samples
131 Main Street, Carver, MA
June, 2004

											DUP							DUP				
	Sample ID:	**BP-1**	**BP-2**	**BP-2**	**BP-3**	**BP-3**	**BP-4**	**MW-A**	**MW-A**	**DCW-1**	**DCW-A**	**DCW-1**	**DCW-2**	**DCW-2**	**DCW-3**	**DCW-3**	**DCW-3A**	**KEI-4**	MCP Method 1 Standards			
	Lab ID:	149931	134702	149932	134703	149933	135585	134710	149939	135581	135584	149938	135582	149936	135583	149934	149935	149937				
	Date Collected:	06/03/04	05/21/03	06/03/04	05/21/03	06/03/04	06/12/03	05/21/03	06/03/04	06/12/03	06/12/03	06/03/04	06/12/03	06/03/04	06/12/03	06/03/04	06/03/04	06/03/04	UCLs	GW1	GW2	GW3
Parameter	**Units:**	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	Methyl tert-butyl ether	ND	ND	16.8	ND	ND	15.3	**992**	**1730**	**6380**	**5930**		**243**	**46**	ND	ND	ND	ND	100,000	70	50,000	50,000
	Benzene	ND	ND	ND	ND	ND	ND	**40.4**	**40.5**	**11.7**	**9.40**		ND	ND	ND	ND	ND	ND	70,000	5	2,000	7,000
	Toluene	ND	ND	ND	ND	ND	ND	22.0	ND	**1030**	**1110**		ND	ND	ND	ND	ND	ND	100,000	1000	6,000	50,000
	Ethylbenzene	ND	ND	ND	ND	ND	ND	202	173	**1500**	**1580**		ND	ND	ND	ND	ND	ND	100,000	700	30,000	4,000
	m & p-Xylenes	ND	ND	ND	ND	ND	ND	454	93	7090	7760		ND	ND	ND	ND	ND	ND	100,000	10000	6,000	50,000
	o-Xylene	ND	ND	ND	ND	ND	ND	143	15	3220	3380		ND	ND	ND	ND	ND	ND	100,000	10000	6,000	50,000
	Naphthalene	ND	ND	ND	ND	ND	ND	**25.2**	**37.1**	**446**	**442**		ND	ND	ND	ND	ND	ND	60,000	20	6,000	6,000
VPH	C5-C8 Aliphatic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	100,000	400	1,000	4,000
Fractions	C9-C12 Aliphatic	ND	ND	ND	ND	ND	ND	ND	100.0	ND	ND		ND	ND	ND	ND	ND	ND	100,000	4000	1,000	20,000
	C9-C10 Aromatic	ND	ND	ND	ND	ND	ND	**961**	**252**	**5410**	**5650**		ND	ND	ND	ND	ND	ND	100,000	200	5,000	4,000
	Naphthalene	ND	ND	ND	ND	ND	ND	8.21	12.00	**95.3**	**88.2**	ND	ND	ND	ND	ND	ND	ND	60,000	20	6,000	6,000
Diesel PAH	2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	1.30	ND	**19.3**	**18.3**	ND	ND	ND	ND	ND	ND	ND	100,000	10	10,000	3,000
Analytes	Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000	20	NA	5,000
	Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,000	300	NA	50
	Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	300	NA	3,000
	Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	300	NA	3,000
	Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	2000	NA	3,000
	Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,000	300	NA	200
Other	Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	200	NA	3,000
Target PAH	Benz[a]Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	1.0	NA	3,000
Analytes	Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	2.0	NA	3,000
	Benzo[b]Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	1.0	NA	3,000
	Benzo[k]Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	1.0	NA	3,000
	Benzo[a]Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	0.20	NA	3,000
	Indeno[1,2,3-c,d]Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	8.0	10	5,000
	Dibenzo[a,h]Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	0.50	NA	3,000
	Benzo[g,h,i]Perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	300	NA	3,000
EPH	C9-C18 Aliphatic	ND	ND	ND	192	ND	ND	ND	ND	ND	702	ND	ND	ND	ND	ND	ND	ND	100,000	4000	1,000	20,000
Fractions	C19-C36 Aliphatic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	5000	NA	20,000
	C11-C22 Aromatic	ND	ND	ND	ND	ND	ND	ND	ND	150	104	150	ND	ND	ND	ND	ND	ND	100,000	200	50,000	30,000

Note: Exceedance of Method 1 Standard is highlighted.

Table 2
Non Aqueous Phase Liquid (NAPL) Measurements
131 Main Street, Carver, MA

Date:	Depth from ground surface to top of NAPL (feet) 8/26/2004	Depth of NAPL (feet) 8/26/2004	Depth from ground surface to top of static water (feet) 8/26/2004	Total Depth of Well (feet) 8/26/2004	Depth from ground surface to top of NAPL (feet) 10/7/2004	Depth of NAPL (feet) 10/7/2004	Depth from ground surface to top of static water (feet) 10/7/2004
ERW-1	-	-	6.86	12.90	6.34	0.60	6.94
ERW-2	7.03	0.29	7.32	12.80	6.30	3.28	9.58
ERW-3	-	-	7.14	13.60	-	-	6.93
ERW-4	7.05	0.05	7.10	12.70	6.53	1.88	8.41
BP-5RR	5.97	3.60	-	9.57	5.67	3.83	-
DCW-4	-	-	7.12	12.60	-	-	6.84
DCW-5	-	-	5.60	11.95	-	-	5.31
DCW-6	-	-	6.57	12.3	-	-	6.28
DCW-7	6.87	1.32	8.19	12.2	5.79	6.99	12.78

Table 3
Non Aqueous Phase Liquid (NAPL) Recovery
between October 7, 2004 and November 1, 2004
131 Main Street, Carver, MA

Date	Time	ERW-1 DEPTH OF NAPL (IN)	ERW-1 EST. VOLUME OF NAPL (LITER)	ERW-2 DEPTH OF NAPL (IN)	ERW-2 EST. VOLUME OF NAPL (LITER)	ERW-4 DEPTH OF NAPL (IN)	ERW-4 EST. VOLUME OF NAPL (LITER)
10/7/2004	1400			40	*3.8*	22	*2.6*
10/13/2004	2100			38	*3.8*		
10/14/2004	1030			4	1.9		
10/14/2004	1830			1.5			
10/18/2004	2100			3	1.9	15	*2.6*
10/19/2004	2100			2	1.9	4	*3.8*
10/20/2004	2100			2	0.4	1	0.0
10/22/2004	1300			1	0.4	0.5	0.2
10/25/2004	2100			2	0.8	1	0.4
10/27/2004	2100			2	1.9	0.5	0.2
10/28/2004	1600	4	0.2		1.5		
10/28/2004	2200				1.8		
10/29/2004	1000				0.4		
10/29/2004	2100				0.5		
10/30/2004	1300				0.5		
10/31/2004	2100				0		
11/1/2004	1600	5	0.5		1		
TOTALS			**0.7**		**22.3**		**9.8**

NOTES:
1. Underlined volumes represent estimates of NAPL recovered based upon water/diesel fuel mixture.
2. Recovery of NAPL from ERW-2 began with a 4 inch Keck PRC skimmer on October 28, 2004.

APPENDIX A
CERTIFICATES OF ANALYSIS

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Decoulos & Company
3 Electronics Avenue
Danvers, MA 01923

Attn: Jim Decoulos

PROJECT ID:	131 Main Street Eagle Gas Station Carver, MA
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	149931 - 149951
DATE PREPARED:	June 16, 2004
PREPARED BY:	Christine Johnson

APPROVED BY:

Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	131 Main Street
Project Location:	Eagle Gas Station	MADEP RTN:	

This form provides certifications for the following data set: 149931 - 149951

Sample matrices: Groundwater (x) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B (x)	8151A ( )	8330 ( )	6010B (x)	7470/1A (x	Other: (x) TPH8100M
	8270C (x)	8081A ( )	VPH (x)	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH (x)	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)
1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date:

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 131 Main Street
Client Name: Decoulos & Company

Sample Number: 149931 - 149951
Received: 06/03/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample (s) were received undamaged, in appropriate containers with the correct preservation, with the following exceptions.

1. Samples received with temperature at 7° C

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation, with the following amendment(s) or correction(s):

1. Run TPH Fingerprint on DCW-1, per client request
2. Re-collecting EPH samples ESW-1, ESW-2, ESE-3, ESW-4

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

Range/Target Analyte		RL	Units	Client ID: BP-1	BP-2	BP-3
				Lab ID: 149931	149932	149933
				Date Collected: 06/03/04	06/03/04	06/03/04
				Date Received: 06/03/04	06/03/04	06/03/04
				Date Extracted: 06/09/04	06/09/04	06/09/04
				Date Fractions Analyzed: 06/14/04	06/14/04	06/14/04
				Date Targets Analyzed: 06/11/04	06/11/04	06/11/04
				Dilution Factor: 1.0	1.0	1.0
				Total solids (%): N/A	N/A	N/A
Unadjusted C11-C22 Aromatics[1]		100	(µg/L)	ND	ND	ND
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND	ND	ND
	2-Methylnaphthalene	1.00	(µg/L)	ND	ND	ND
	Acenaphthene	1.00	(µg/L)	ND	ND	ND
	Phenanthrene	1.00	(µg/L)	ND	ND	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND	ND	ND
	Fluorene	1.00	(µg/L)	ND	ND	ND
	Anthracene	1.00	(µg/L)	ND	ND	ND
	Fluoranthene	1.00	(µg/L)	ND	ND	ND
	Pyrene	1.50	(µg/L)	ND	ND	ND
	Benz[a]Anthracene	1.00	(µg/L)	ND	ND	ND
	Chrysene	1.00	(µg/L)	ND	ND	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND	ND	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND	ND	ND
	Benzo[a]Pyrene	0.080	(µg/L)	ND	ND	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND	ND	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND	ND	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND	ND
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	ND	ND	ND
Aliphatic Surrogate % Recovery (COD)				59%	75%	65%
Aromatic Surrogate % Recovery (OTP)				42%	68%	48%
Sample Surrogate Acceptance Range				40-140%	40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery				61%	73%	60%
2-Fluorobiphenyl % Recovery				88%	17%	101%
Fractionation Surrogate Acceptance Range				40-140%	40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 6/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1						
Method for Target Analyte: 8270 GC/MS				Client ID:	DCW-3	DCW-3A	DCW-2
Method for PAH Targets: GC/MS				Lab ID:	149934	149935	149936
EPH Surrogate Standards:				Date Collected:	06/03/04	06/03/04	06/03/04
Aliphatic COD				Date Received:	06/03/04	06/03/04	06/03/04
Aromatic OTP				Date Extracted:	06/09/04	06/09/04	06/09/04
				Date Fractions Analyzed:	06/14/04	06/14/04	06/14/04
EPH Fractionation Surrogates				Date Targets Analyzed:	06/11/04	06/12/04	06/12/04
2-Fluorobiphenyl				Dilution Factor:	1.0	1.0	1.0
2-Bromonaphthalene				Total solids (%):	N/A	N/A	N/A
Range/Target Analyte			RL	Units			
Unadjusted C11-C22 Aromatics[1]			100	(µg/L)	ND	ND	ND
Diesel PAH Analytes	Naphthalene		1.00	(µg/L)	ND	ND	ND
	2-Methylnaphthalene		1.00	(µg/L)	ND	ND	ND
	Acenaphthene		1.00	(µg/L)	ND	ND	ND
	Phenanthrene		1.00	(µg/L)	ND	ND	ND
Other Target PAH Analytes	Acenaphthylene		1.00	(µg/L)	ND	ND	ND
	Fluorene		1.00	(µg/L)	ND	ND	ND
	Anthracene		1.00	(µg/L)	ND	ND	ND
	Fluoranthene		1.00	(µg/L)	ND	ND	ND
	Pyrene		1.50	(µg/L)	ND	ND	ND
	Benz[a]Anthracene		1.00	(µg/L)	ND	ND	ND
	Chrysene		1.00	(µg/L)	ND	ND	ND
	Benzo[b]Fluoranthene		1.00	(µg/L)	ND	ND	ND
	Benzo[k]Fluoranthene		0.120	(µg/L)	ND	ND	ND
	Benzo[a]Pyrene		0.080	(µg/L)	ND	ND	ND
	Indeno[1,2,3-c,d]Pyrene		0.240	(µg/L)	ND	ND	ND
	Dibenzo[a,h]Anthracene		0.500	(µg/L)	ND	ND	ND
	Benzo[g,h,i]Perylene		1.50	(µg/L)	ND	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	ND	ND
C11-C22 Aromatic Hydrocarbons[1,2]			100	(µg/L)	ND	ND	ND
Aliphatic Surrogate % Recovery (COD)					69%	67%	80%
Aromatic Surrogate % Recovery (OTP)					58%	81%	90%
Sample Surrogate Acceptance Range					40-140%	40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery					55%	63%	72%
2-Fluorobiphenyl % Recovery					89%	105%	92%
Fractionation Surrogate Acceptance Range					40-140%	40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

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Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

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SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 6/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

			Client ID:	KEI-4	DWC-1	MW-A
			Lab ID:	149937	149938	149939
			Date Collected:	06/03/04	06/03/04	06/03/04
			Date Received:	06/03/04	06/03/04	06/03/04
			Date Extracted:	06/09/04	06/09/04	06/09/04
			Date Fractions Analyzed:	06/14/04	06/14/04	06/14/04
			Date Targets Analyzed:	06/12/04	06/12/04	06/12/04
			Dilution Factor:	1.0	1.0	1.0
			Total solids (%):	N/A	N/A	N/A
Range/Target Analyte		RL	Units			
Unadjusted C11-C22 Aromatics[1]		100	(µg/L)	ND	ND	ND
Diesel PAH Analytes	**Naphthalene**	1.00	(µg/L)	ND	ND	**12.0**
	2-Methylnaphthalene	1.00	(µg/L)	ND	ND	ND
	Acenaphthene	1.00	(µg/L)	ND	ND	ND
	Phenanthrene	1.00	(µg/L)	ND	ND	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND	ND	ND
	Fluorene	1.00	(µg/L)	ND	ND	ND
	Anthracene	1.00	(µg/L)	ND	ND	ND
	Fluoranthene	1.00	(µg/L)	ND	ND	ND
	Pyrene	1.50	(µg/L)	ND	ND	ND
	Benz[a]Anthracene	1.00	(µg/L)	ND	ND	ND
	Chrysene	1.00	(µg/L)	ND	ND	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND	ND	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND	ND	ND
	Benzo[a]Pyrene	0.080	(µg/L)	ND	ND	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND	ND	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND	ND	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND	ND
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	ND	ND	ND
Aliphatic Surrogate % Recovery (COD)				70%	64%	70%
Aromatic Surrogate % Recovery (OTP)				81%	82%	73%
Sample Surrogate Acceptance Range				40-140%	40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery				73%	69%	72%
2-Fluorobiphenyl % Recovery				107%	101%	110%
Fractionation Surrogate Acceptance Range				40-140%	40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

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SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 6/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4°C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

				Client ID:	MW-1	
				Lab ID:	149940	
				Date Collected:	06/03/04	
				Date Received:	06/03/04	
				Date Extracted:	06/09/04	
				Date Fractions Analyzed:	06/14/04	
				Date Targets Analyzed:	06/12/04	
				Dilution Factor:	1.0	
				Total solids (%):	N/A	
Range/Target Analyte			RL	Units		
Unadjusted C11-C22 Aromatics[1]			100	(µg/L)	ND	
Diesel PAH Analytes	Naphthalene		1.00	(µg/L)	ND	
	2-Methylnaphthalene		1.00	(µg/L)	ND	
	Acenaphthene		1.00	(µg/L)	ND	
	Phenanthrene		1.00	(µg/L)	ND	
Other Target PAH Analytes	Acenaphthylene		1.00	(µg/L)	ND	
	Fluorene		1.00	(µg/L)	ND	
	Anthracene		1.00	(µg/L)	ND	
	Fluoranthene		1.00	(µg/L)	ND	
	Pyrene		1.50	(µg/L)	ND	
	Benz[a]Anthracene		1.00	(µg/L)	ND	
	Chrysene		1.00	(µg/L)	ND	
	Benzo[b]Fluoranthene		1.00	(µg/L)	ND	
	Benzo[k]Fluoranthene		0.120	(µg/L)	ND	
	Benzo[a]Pyrene		0.080	(µg/L)	ND	
	Indeno[1,2,3-c,d]Pyrene		0.240	(µg/L)	ND	
	Dibenzo[a,h]Anthracene		0.500	(µg/L)	ND	
	Benzo[g,h,i]Perylene		1.50	(µg/L)	ND	
C9-C18 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	
C19-C36 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	
C11-C22 Aromatic Hydrocarbons[1,2]			100	(µg/L)	ND	
Aliphatic Surrogate % Recovery (COD)					83%	
Aromatic Surrogate % Recovery (OTP)					92%	
Sample Surrogate Acceptance Range					40-140%	
2,2'-Difluorobiphenyl % Recovery					71%	
2-Fluorobiphenyl % Recovery					106%	
Fractionation Surrogate Acceptance Range					40-140%	

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

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SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 6/16/04

GeoLabs, Inc.
Environmental Laboratories

EPH - QC - Ranges
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS						
	Method Blank	**MDL (µg/L)**	**Spike % Recovery 1**	**Spike % Recovery 2**		**RPD**	**%**
*c9-c18 Aliphatics	28.3	100	44.5	49.5	40-140	8.8	≤ 50
c19-c36 Aliphatics	34.0	100	106	115	40-140	7.3	≤ 50
c11-c22 Aromatics	33.8	100	52.0	76.0	40-140	31.6	≤ 50

Surrogate % Recovery:

COD	88%	40-140	66%	90%	40-140	30.1%	≤ 50
OTP	82%	40-140	62%	73%	40-140	16.5%	≤ 50

EPH - QC Target Analyte
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS			
	Method Blank	**Spike % Recovery 1**	**Spike % Recovery 2**	**Limits %**
Acenaphthene	ND	58%	48%	40-140%
Phenanthrene	ND	87%	68%	40-140%
Pyrene	ND	96%	86%	40-140%
Chrysene	ND	98%	91%	40-140%
Indeno [1,2,3-cd] pyrene	ND	90%	85%	40-140%

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Soil: Soxhlet

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID:	ESE-1		
Method for Target Analyte: 8270 GC/MS			Lab ID:	149941		
EPH Surrogate Standards:			Date Collected:	06/03/04		
Aliphatic COD			Date Received:	06/03/04		
Aromatic OTP			Date Extracted:	06/04/04		
			Date Fractions Analyzed:	06/10/04		
EPH Fractionation Surrogates:			Date Targets Analyzed:	06/09/04		
2-Fluorobiphenyl			Dilution Factor:	1.0 / 5.0*		
2-Bromonaphthalene			Total solids (%):	76		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		10.0	mg/Kg	**324**		
Diesel PAH Analytes	Naphthalene	0.050	mg/Kg	ND		
	2-Methylnaphthalene	0.050	mg/Kg	**0.716**		
	Acenaphthene	0.100	mg/Kg	ND		
	Phenanthrene	0.050	mg/Kg	**1.30**		
Other Target PAH Analytes	Acenaphthylene	0.050	mg/Kg	ND		
	Fluorene	0.025	mg/Kg	**0.403**		
	Anthracene	0.050	mg/Kg	ND		
	Fluoranthene	0.200	mg/Kg	**1.36**		
	Pyrene	0.200	mg/Kg	**1.05**		
	Benz[a]Anthracene	0.100	mg/Kg	**0.366**		
	Chrysene	0.100	mg/Kg	**0.637**		
	Benzo[b]Fluoranthene	0.150	mg/Kg	**0.734**		
	Benzo[k]Fluoranthene	0.100	mg/Kg	**0.300**		
	Benzo[a]Pyrene	0.100	mg/Kg	**0.382**		
	Indeno[1,2,3-c,d]Pyrene	0.050	mg/Kg	**0.250**		
	Dibenzo[a,h]Anthracene	0.100	mg/Kg	ND		
	Benzo[g,h,i]Perylene	0.100	mg/Kg	**0.324**		
C_9-C_{18} Aliphatic Hydrocarbons[1]		50.0*	mg/Kg	**398**		
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		10.0	mg/Kg	**402**		
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	**316**		
Aliphatic Surrogate % Recovery (COD)				83%		
Aromatic Surrogate % Recovery (OTP)				102%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				60%		
2-Fluorobiphenyl % Recovery				87%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

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Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

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SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Soil: Soxhlet

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1		Client ID:		ESE-2		
Method for Target Analyte: 8270 GC/MS		Lab ID:		149942		
EPH Surrogate Standards:		Date Collected:		06/03/04		
Aliphatic COD		Date Received:		06/03/04		
Aromatic OTP		Date Extracted:		06/04/04		
		Date Fractions Analyzed:		06/10/04		
EPH Fractionation Surrogates:		Date Targets Analyzed:		06/09/04		
2-Fluorobiphenyl		Dilution Factor:		1.0 / 5.0*		
2-Bromonaphthalene		Total solids (%):		71		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		10.0	mg/Kg	**860**		
Diesel PAH Analytes	Naphthalene	0.050	mg/Kg	ND		
	2-Methylnaphthalene	0.050	mg/Kg	**1.06**		
	Acenaphthene	0.100	mg/Kg	ND		
	Phenanthrene	0.050	mg/Kg	**4.38**		
Other Target PAH Analytes	Acenaphthylene	0.050	mg/Kg	ND		
	Fluorene	0.025	mg/Kg	**0.738**		
	Anthracene	0.050	mg/Kg	ND		
	Fluoranthene	0.200	mg/Kg	**7.10**		
	Pyrene	0.200	mg/Kg	**5.38**		
	Benz[a]Anthracene	0.100	mg/Kg	**2.15**		
	Chrysene	0.100	mg/Kg	**3.32**		
	Benzo[b]Fluoranthene	0.150	mg/Kg	**3.62**		
	Benzo[k]Fluoranthene	0.100	mg/Kg	**1.12**		
	Benzo[a]Pyrene	0.100	mg/Kg	**1.87**		
	Indeno[1,2,3-c,d]Pyrene	0.050	mg/Kg	**1.06**		
	Dibenzo[a,h]Anthracene	0.100	mg/Kg	**0.414**		
	Benzo[g,h,i]Perylene	0.100	mg/Kg	**1.31**		
C_9-C_{18} Aliphatic Hydrocarbons[1]		50*	mg/Kg	**1480**		
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		50*	mg/Kg	**1240**		
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	**826**		
Aliphatic Surrogate % Recovery (COD)				93%		
Aromatic Surrogate % Recovery (OTP)				106%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				63%		
2-Fluorobiphenyl % Recovery				84%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

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Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

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SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Soil: Soxhlet

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1		Client ID:		ESE-3		
Method for Target Analyte: 8270 GC/MS		Lab ID:		149943		
EPH Surrogate Standards:		Date Collected:		06/03/04		
Aliphatic COD		Date Received:		06/03/04		
Aromatic OTP		Date Extracted:		06/04/04		
		Date Fractions Analyzed:		06/10/04		
EPH Fractionation Surrogates:		Date Targets Analyzed:		06/09/04		
2-Fluorobiphenyl		Dilution Factor:		1.0 / 5.0* / 10**		
2-Bromonaphthalene		Total solids (%):		68		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		10.0	mg/Kg	**1440**		
Diesel PAH Analytes	Naphthalene	0.050	mg/Kg	ND		
	2-Methylnaphthalene	0.050	mg/Kg	**1.93**		
	Acenaphthene	0.100	mg/Kg	ND		
	Phenanthrene	0.050	mg/Kg	**4.47**		
Other Target PAH Analytes	Acenaphthylene	0.050	mg/Kg	ND		
	Fluorene	0.025	mg/Kg	ND		
	Anthracene	0.050	mg/Kg	ND		
	Fluoranthene	0.200	mg/Kg	**6.43**		
	Pyrene	0.200	mg/Kg	**5.00**		
	Benz[a]Anthracene	0.100	mg/Kg	**1.87**		
	Chrysene	0.100	mg/Kg	**3.00**		
	Benzo[b]Fluoranthene	0.150	mg/Kg	**3.53**		
	Benzo[k]Fluoranthene	0.100	mg/Kg	**0.991**		
	Benzo[a]Pyrene	0.100	mg/Kg	**1.79**		
	Indeno[1,2,3-c,d]Pyrene	0.050	mg/Kg	**1.14**		
	Dibenzo[a,h]Anthracene	0.100	mg/Kg	**0.350**		
	Benzo[g,h,i]Perylene	0.100	mg/Kg	**1.37**		
C_9-C_{18} Aliphatic Hydrocarbons[1]		100**	mg/Kg	**1800**		
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		50.0*	mg/Kg	**1450**		
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	**1410**		
Aliphatic Surrogate % Recovery (COD)				99%		
Aromatic Surrogate % Recovery (OTP)				103%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				77%		
2-Fluorobiphenyl % Recovery				104%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Soil: Soxhlet

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1		Client ID:		ESE-4		
Method for Target Analyte: 8270 GC/MS		Lab ID:		149944		
EPH Surrogate Standards:		Date Collected:		06/03/04		
Aliphatic COD		Date Received:		06/03/04		
Aromatic OTP		Date Extracted:		06/04/04		
		Date Fractions Analyzed:		06/10/04		
EPH Fractionation Surrogates:		Date Targets Analyzed:		06/09/04		
2-Fluorobiphenyl		Dilution Factor:		1.0 / 5.0*		
2-Bromonaphthalene		Total solids (%):		74		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		10.0	mg/Kg	**363**		
Diesel PAH Analytes	Naphthalene	0.050	mg/Kg	ND		
	2-Methylnaphthalene	0.050	mg/Kg	ND		
	Acenaphthene	0.100	mg/Kg	ND		
	Phenanthrene	0.050	mg/Kg	**1.35**		
Other Target PAH Analytes	Acenaphthylene	0.050	mg/Kg	ND		
	Fluorene	0.025	mg/Kg	ND		
	Anthracene	0.050	mg/Kg	ND		
	Fluoranthene	0.200	mg/Kg	**1.41**		
	Pyrene	0.200	mg/Kg	**1.27**		
	Benz[a]Anthracene	0.100	mg/Kg	**0.443**		
	Chrysene	0.100	mg/Kg	**0.630**		
	Benzo[b]Fluoranthene	0.150	mg/Kg	**0.705**		
	Benzo[k]Fluoranthene	0.100	mg/Kg	**0.235**		
	Benzo[a]Pyrene	0.100	mg/Kg	**0.335**		
	Indeno[1,2,3-c,d]Pyrene	0.050	mg/Kg	**0.214**		
	Dibenzo[a,h]Anthracene	0.100	mg/Kg	ND		
	Benzo[g,h,i]Perylene	0.100	mg/Kg	**0.249**		
C_9-C_{18} Aliphatic Hydrocarbons[1]		50.0*	mg/Kg	**494**		
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		10.0	mg/Kg	**408**		
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	**356**		
Aliphatic Surrogate % Recovery (COD)				85%		
Aromatic Surrogate % Recovery (OTP)				92%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				78%		
2-Fluorobiphenyl % Recovery				104%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☒ N/A ☐ pH < 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Soil: Soxhlet

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1 Method for Target Analyte: 8270 GC/MS				Client ID:	ESE-5	ESE-6	ESE-7
				Lab ID:	149945	149946	149947
EPH Surrogate Standards: Aliphatic COD Aromatic OTP				Date Collected:	06/03/04	06/03/04	06/03/04
				Date Received:	06/03/04	06/03/04	06/03/04
				Date Extracted:	06/04/04	06/04/04	06/04/04
				Date Fractions Analyzed:	06/10/04	06/10/04	06/10/04
EPH Fractionation Surrogates: 2-Fluorobiphenyl 2-Bromonaphthalene				Date Targets Analyzed:	06/09/04	06/09/04	06/09/04
				Dilution Factor:	1.0	1.0	1.0
				Total solids (%):	47	51	32
Range/Target Analyte		RL	Units				
Unadjusted C_{11}-C_{22} Aromatics[1]		10.0	mg/Kg		**294**	**102**	**105**
Diesel PAH Analytes	Naphthalene	0.050	mg/Kg		ND	ND	ND
	2-Methylnaphthalene	0.050	mg/Kg		ND	ND	ND
	Acenaphthene	0.100	mg/Kg		ND	ND	ND
	Phenanthrene	0.050	mg/Kg		**0.404**	**0.325**	**0.244**
Other Target PAH Analytes	Acenaphthylene	0.050	mg/Kg		ND	ND	ND
	Fluorene	0.025	mg/Kg		ND	ND	ND
	Anthracene	0.050	mg/Kg		ND	ND	ND
	Fluoranthene	0.200	mg/Kg		**1.08**	**0.847**	**0.431**
	Pyrene	0.200	mg/Kg		**0.838**	**0.780**	**0.431**
	Benz[a]Anthracene	0.100	mg/Kg		**0.421**	**0.490**	**0.281**
	Chrysene	0.100	mg/Kg		**0.621**	**0.569**	**0.294**
	Benzo[b]Fluoranthene	0.150	mg/Kg		**0.647**	**0.631**	**0.331**
	Benzo[k]Fluoranthene	0.100	mg/Kg		**0.234**	**0.298**	ND
	Benzo[a]Pyrene	0.100	mg/Kg		**0.391**	**0.341**	**0.194**
	Indeno[1,2,3-c,d]Pyrene	0.050	mg/Kg		**0.217**	**0.231**	ND
	Dibenzo[a,h]Anthracene	0.100	mg/Kg		ND	ND	ND
	Benzo[g,h,i]Perylene	0.100	mg/Kg		**0.332**	**0.302**	**0.156**
C_9-C_{18} Aliphatic Hydrocarbons[1]		10.0	mg/Kg		**153**	ND	ND
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		10.0	mg/Kg		**605**	**318**	**272**
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		10.0	mg/Kg		**289**	**97**	**103**
Aliphatic Surrogate % Recovery (COD)					89%	86%	92%
Aromatic Surrogate % Recovery (OTP)					110%	72%	94%
Sample Surrogate Acceptance Range					40-140%	40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery					73%	53%	69%
2-Fluorobiphenyl % Recovery					100%	73%	88%
Fractionation Surrogate Acceptance Range					40-140%	40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

QC RESULTS

	SB	MDL (mg/Kg)	LCS$1 % Rec.	Limit %
*c9-c18 Aliphatics	6.49	10	49.3	40-140
c19-c36 Aliphatics	4.66	10	104	40-140
c11-c22 Aromatics	4.86	10	74.9	40-140
Surrogate % Recovery:				
COD	90%		97%	40-140
OTP	63%		80%	40-140

EPH - QC Target Analyte
EXTRACTABLE PETROLEUM HYDROCARBONS

QC RESULTS

	Blank	Spike % Recovery 1	Spike % Recovery 2	Limits %
Acenaphthene	ND	61%	49%	40-140%
Phenanthrene	ND	85%	72%	40-140%
Pyrene	ND	105%	94%	40-140%
Chrysene	ND	93%	87%	40-140%
Indeno [1,2,3-c,d] pyrene	ND	79%	75%	40-140%

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil o Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

			Client ID:	BP-1	BP-2	BP-3
			Lab ID:	149931	149932	149933
			Date Collected:	06/03/04	06/03/04	06/03/04
			Date Received:	06/03/04	06/03/04	06/03/04
			Date Analyzed:	06/10/04	06/10/04	06/10/04
			Dilution Factor:	1.0	1.0	1.0
			Total solids (%):	N/A	N/A	N/A
Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C5-C8 Aliphatics[1]	N/A	40.0	µg/L	ND	ND	ND
Unadjusted C9-C12 Aliphatics[1]	N/A	15.0	µg/L	ND	ND	ND
Benzene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
Ethylbenzene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
Methyl-tert-butyl ether	C5-C8 Aliph	5.0	µg/L	ND	**16.8**	ND
Naphthalene	N/A	20.0	µg/L	ND	ND	ND
Toluene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
m-,p-Xylenes	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
o-Xylene	C9-C12 Aliph.	5.0	µg/L	ND	ND	ND
C5-C8 Aliphatic Hydrocarbons[2]	N/A	40.0	µg/L	ND	ND	ND
C9-C12 Aliphatic Hydrocarbons[3]	N/A	15.0	µg/L	ND	ND	ND
C9-C10 Aromatic Hydrocarbons	N/A	55.0	µg/L	ND	ND	ND
1,2-DCE Surrogate Recovery				107%	106%	111%
Toluene-d8 Surrogate % Recovery				104%	104%	104%
BFB Surrogate % Recovery				102%	101%	103%
2,5-Dibromotoluene Surrogate Recovery				84%	97%	98%
Surrogate Acceptance Range				70-130%	70-130%	70-130%

[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil o Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

			Client ID:	DCW-3	DCW-3A	DCW-2
			Lab ID:	149934	149935	149936
			Date Collected:	06/03/04	06/03/04	06/03/04
			Date Received:	06/03/04	06/03/04	06/03/04
			Date Analyzed:	06/10/04	06/10/04	06/10/04
			Dilution Factor:	1.0	1.0	1.0
			Total solids (%):	N/A	N/A	N/A
Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C5-C8 Aliphatics[1]	N/A	40.0	µg/L	ND	ND	ND
Unadjusted C9-C12 Aliphatics[1]	N/A	15.0	µg/L	ND	ND	ND
Benzene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
Ethylbenzene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
Methyl-tert-butyl ether	C5-C8 Aliph	5.0	µg/L	ND	ND	**45.8**
Naphthalene	N/A	20.0	µg/L	ND	ND	ND
Toluene	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
m-,p-Xylenes	C5-C8 Aliph	5.0	µg/L	ND	ND	ND
o-Xylene	C9-C12 Aliph.	5.0	µg/L	ND	ND	ND
C5-C8 Aliphatic Hydrocarbons[2]	N/A	40.0	µg/L	ND	ND	ND
C9-C12 Aliphatic Hydrocarbons[3]	N/A	15.0	µg/L	ND	ND	ND
C9-C10 Aromatic Hydrocarbons	N/A	55.0	µg/L	ND	ND	ND
1,2-DCE Surrogate Recovery				110%	106%	110%
Toluene-d8 Surrogate % Recovery				106%	106%	103%
BFB Surrogate % Recovery				103%	98%	104%
2,5-Dibromotoluene Surrogate Recovery				105%	121%	86%
Surrogate Acceptance Range				70-130%	70-130%	70-130%

[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil o Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative:	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

Client ID:	KEI-4
Lab ID:	149937
Date Collected:	06/03/04
Date Received:	06/03/04
Date Analyzed:	06/10/04
Dilution Factor:	1.0
Total solids (%):	N/A

Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C_5-C_8 Aliphatics[1]	N/A	40.0	µg/L	ND		
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	15.0	µg/L	ND		
Benzene	C5-C8 Aliph	5.0	µg/L	ND		
Ethylbenzene	C5-C8 Aliph	5.0	µg/L	ND		
Methyl-tert-butyl ether	C5-C8 Aliph	5.0	µg/L	ND		
Naphthalene	N/A	20.0	µg/L	ND		
Toluene	C5-C8 Aliph	5.0	µg/L	ND		
m-,p-Xylenes	C5-C8 Aliph	5.0	µg/L	ND		
o-Xylene	C9-C12 Aliph.	5.0	µg/L	ND		
C_5-C_8 Aliphatic Hydrocarbons[2]	N/A	40.0	µg/L	ND		
C_9-C_{12} Aliphatic Hydrocarbons[3]	N/A	15.0	µg/L	ND		
C_9-C_{10} Aromatic Hydrocarbons	N/A	55.0	µg/L	ND		
1,2-DCE Surrogate Recovery				108%		
Toluene-d8 Surrogate % Recovery				105%		
BFB Surrogate % Recovery				103%		
2,5-Dibromotoluene Surrogate Recovery				80%		
Surrogate Acceptance Range				70-130%		

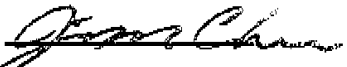
[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE:  POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil o Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

Client ID:	MW-A
Lab ID:	149939
Date Collected:	06/03/04
Date Received:	06/03/04
Date Analyzed:	06/10/04
Dilution Factor:	1.0 / 10*
Total solids (%):	N/A

Range/Target Analyte	Elut. Range	RL	Units	
Unadjusted C_5-C_8 Aliphatics[1]	N/A	40.0	µg/L	**1700**
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	15.0	µg/L	**367**
Benzene	C5-C8 Aliph	5.0	µg/L	**40.5**
Ethylbenzene	C5-C8 Aliph	5.0	µg/L	**173**
Methyl-tert-butyl ether	C5-C8 Aliph	50*	µg/L	**1730**
Naphthalene	N/A	20.0	µg/L	**37.1**
Toluene	C5-C8 Aliph	5.0	µg/L	ND
m-,p-Xylenes	C5-C8 Aliph	5.0	µg/L	**93.1**
o-Xylene	C9-C12 Aliph.	5.0	µg/L	**14.8**
C_5-C_8 Aliphatic Hydrocarbons[2]	N/A	40.0	µg/L	ND
C_9-C_{12} Aliphatic Hydrocarbons[3]	N/A	15.0	µg/L	**100**
C_9-C_{10} Aromatic Hydrocarbons	N/A	55.0	µg/L	**252**
1,2-DCE Surrogate Recovery				109%
Toluene-d8 Surrogate % Recovery				105%
BFB Surrogate % Recovery				106%
2,5-Dibromotoluene Surrogate Recovery				79%
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil o Sediment ☐ Other		
Containers	☒ Satisfactory ' ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

Client ID:	MW-1
Lab ID:	149940
Date Collected:	06/03/04
Date Received:	06/03/04
Date Analyzed:	06/11/04
Dilution Factor:	1.0
Total solids (%):	N/A

Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C_5-C_8 Aliphatics[1]	N/A	40.0	µg/L	ND		
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	15.0	µg/L	ND		
Benzene	C5-C8 Aliph	5.0	µg/L	ND		
Ethylbenzene	C5-C8 Aliph	5.0	µg/L	ND		
Methyl-tert-butyl ether	C5-C8 Aliph	5.0	µg/L	ND		
Naphthalene	N/A	20.0	µg/L	ND		
Toluene	C5-C8 Aliph	5.0	µg/L	ND		
m-,p-Xylenes	C5-C8 Aliph	5.0	µg/L	ND		
o-Xylene	C9-C12 Aliph.	5.0	µg/L	ND		
C_5-C_8 Aliphatic Hydrocarbons[2]	N/A	40.0	µg/L	ND		
C_9-C_{12} Aliphatic Hydrocarbons[3]	N/A	15.0	µg/L	ND		
C_9-C_{10} Aromatic Hydrocarbons	N/A	55.0	µg/L	ND		
1,2-DCE Surrogate Recovery				97%		
Toluene-d8 Surrogate % Recovery				99%		
BFB Surrogate % Recovery				99%		
2,5-Dibromotoluene Surrogate Recovery				121%		
Surrogate Acceptance Range				70-130%		

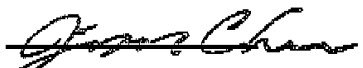
[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE:  POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 06/16/04

GeoLabs, Inc.
Environmental Laboratories

VOLATILE PETROLEUM HYDROCARBONS QC

Analysis Date: 06/10/04

Standard	Spike % Rec.	Limits	Blank
MTBE	103%	70-130%	ND
Benzene	107%	70-130%	ND
Toluene	115%	70-130%	ND
Ethyl Benzene	114%	70-130%	ND
m,p-Xylenes	114%	70-130%	ND
o-Xylene	114%	70-130%	ND
Naphthalene	114%	70-130%	ND
Surrogate Recoveries:		**Limits**	
1,2-Dichloroethane	107%	70-130%	
Toluene-D8	104%	70-130%	
BFB	101%	70-130%	
2,5-Dibromotoluene	116%	70-130%	

VOLATILE PETROLEUM HYDROCARBONS QC

Analysis Date: 06/11/04

Standard	Spike % Rec.	Limits	Blank
MTBE	91%	70-130%	ND
Benzene	96%	70-130%	ND
Toluene	93%	70-130%	ND
Ethyl Benzene	92%	70-130%	ND
m,p-Xylenes	93%	70-130%	ND
o-Xylene	92%	70-130%	ND
Naphthalene	86%	70-130%	ND
Surrogate Recoveries:		**Limits**	
1,2-Dichloroethane	103%	70-130%	
Toluene-D8	100%	70-130%	
BFB	102%	70-130%	
2,5-Dibromotoluene	89%	70-130%	

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149939
SAMPLE LOCATION:	MW-A

	RESULTS (µg/L)	**DETECTION LIMIT (µg/L)**
Acenaphthene	ND	0.500
Acenaphthylene	ND	0.250
Acetophenone	ND	0.750
Aniline	ND	2.250
Anthracene	ND	0.500
Azobenzene	ND	5.000
Benzo [a] anthracene	ND	0.500
Benzo [b] fluoranthene	ND	0.500
Benzo k] fluoranthene	ND	1.000
Benzo [ghi] perylene	ND	1.000
Benzo [a] pyrene	ND	0.200
Benzyl alcohol	ND	1.000
Bis-(2-chloroethoxy)methane	ND	0.500
Bis-(2-chloroethyl) ether	ND	0.500
Bis-(2-chloroisopropyl) ether	ND	0.750
Bis-(2-ethylhexyl)phthalate	**8.93**	2.000
4-Bromophenyl phenyl ether	ND	0.750
Butyl benzyl phthalate	ND	1.250
Carbazole	ND	0.750
4-Chloroaniline	ND	2.500
4-Chloro-3-methylphenol	ND	0.500
2-Chloronaphthalene	ND	0.500
2-Chlorophenol	ND	0.500
4-Chlorophenyl-phenylether	ND	0.500
Chrysene	ND	0.500
Dibenz [a,h] anthracene	ND	0.500
Dibenzofuran	ND	0.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149939
SAMPLE LOCATION:	MW-A

	RESULTS (µg/L)	**DETECTION LIMIT (µg/L)**
1,2-Dichlorobenzene	ND	1.000
1,3-Dichlorobenzene	ND	1.000
1,4-Dichlorobenzene	ND	1.000
3,3'-dichlorobenzidine	ND	2.500
2,4-Dichlorophenol	ND	0.500
Diethyl phthalate	ND	1.250
2,4-Dimethylphenol	ND	3.750
Dimethylphthalate	ND	1.750
Di-n-butylphthalate	ND	0.750
Di-n-octyl phthalate	ND	2.000
1,2-Dinitrobenzene	ND	5.000
1,3-Dinitrobenzene	ND	0.750
1,4-Dinitrobenzene	ND	5.000
4,6-Dinitro-2-methylphenol	ND	1.000
2,4-Dinitrophenol	ND	0.250
2,4-Dinitrotoluene	ND	0.500
2,6-Dinitrotoluene	ND	0.250
Fluoranthene	ND	0.500
Fluorene	ND	0.500
Hexachlorobenzene	ND	1.000
Hexachlorobutadiene	ND	0.500
Hexachlorocyclopentadiene	ND	10.000
Hexachloroethane	ND	2.000
Indeno [1,2,3-cd] pyrene	ND	0.500
Isophorone	ND	0.500
2-Methylnaphthalene	ND	0.750
2-Methylphenol	ND	1.000
3-Methylphenol/4-methylphenol	ND	1.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149939
SAMPLE LOCATION:	MW-A

	RESULTS (µg/L)	**DETECTION LIMIT (µg/L)**
Naphthalene	**24.0**	0.750
2-Nitroaniline	ND	0.750
3-Nitroaniline	ND	1.500
4-Nitroaniline	ND	1.000
Nitrobenzene	ND	0.750
2-Nitrophenol	ND	0.500
4-Nitrophenol	ND	0.500
N-Nitrosodimethylamine	ND	1.000
N-Nitrosodiphenylamine	ND	5.000
N-nitroso-di-n-propylamine	ND	1.000
Pentachlorophenol	ND	1.000
Phenanthrene	ND	0.500
Phenol	ND	0.250
Pyrene	ND	1.250
Pyridine	ND	1.250
2,3,4,6-Tetrachlorophenol	ND	1.000
1,2,4-Trichlorobenzene	ND	0.750
2,4,5-Trichlorophenol	ND	0.750
2,4,6-Trichlorophenol	ND	0.500
Surrogate Recoveries		
2-Fluorophenol	45%	
Phenol-d6	39%	
Nitrobenzene-d5	10% *	* Matrix interference
2-Fluorobiphenyl	61%	
2,4,6-Tribromophenol	99%	
Terphenyl-d14	106%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	6/16/04
COLLECTION DATE:	6/3/04	ANALYZED BY:	RD
REC'D BY LAB:	6/3/04		
COLLECTED BY:	CLIENT		

SEMI-VOLATILE ORGANICS - QC

	Blank	Spike % Rec.	Limits
Phenol	ND	40%	30-130%
2-chlorophenol	ND	69%	30-130%
1,4-Dichlorobenzene	ND	55%	40-140%
N-Nitroso-di-n-propylamine	ND	72%	40-140%
1,2,4-Trichlorobenzene	ND	60%	40-140%
4-Chloro-3-methylphenol	ND	93%	30-130%
Acenaphthene	ND	77%	40-140%
4-Nitrophenol	ND	67%	30-130%
2,4-Dinitrotoluene	ND	64%	40-140%
Pentachlorophenol	ND	99%	30-130%
Pyrene	ND	114%	40-140%

Surrogate Recoveries:	% Rec.	% Rec.	Limits
2-Fluorophenol	52%	47%	30-130%
Phenol-d6	42%	39%	30-130%
Nitrobenzene-d5	67%	62%	30-130%
2-Fluorobiphenyl	64%	60%	30-130%
2,4,6-Tribromophenol	107%	98%	30-130%
Terphenyl-d14	108%	106%	30-130%

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/14-15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149941	149942	
SAMPLE LOCATION:	ESE-1	ESE-2	
	RESULTS (µg/Kg)		**DETECTION LIMIT (µg/Kg)**
Acenaphthene	ND	ND	50.0
Acenaphthylene	ND	ND	25.0
Acetophenone	ND	ND	75.0
Aniline	ND	ND	225
Anthracene	**897**	ND	50.0
Azobenzene	ND	ND	50.0
Benzo [a] anthracene	**1610**	**768**	50.0
Benzo [b] fluoranthene	**1670**	**1240**	50.0
Benzo k] fluoranthene	**585**	**468**	100
Benzo [ghi] perylene	**923**	**527**	100
Benzo [a] pyrene	**1120**	**668**	20.0
Benzyl alcohol	ND	ND	100
Bis-(2-chloroethoxy)methane	ND	ND	50.0
Bis-(2-chloroethyl) ether	ND	ND	50.0
Bis-(2-chloroisopropyl) ether	ND	ND	75.0
Bis-(2-ethylhexyl)phthalate	**735**	**896**	200
4-Bromophenyl phenyl ether	ND	ND	75.0
Butyl benzyl phthalate	ND	ND	125
Carbazole	**563**	**236**	75.0
4-Chloroaniline	ND	ND	250
4-Chloro-3-methylphenol	ND	ND	50.0
2-Chloronaphthalene	ND	ND	50.0
2-Chlorophenol	ND	ND	50.0
4-Chlorophenyl-phenylether	ND	ND	50.0
Chrysene	**1660**	**1190**	50.0
Dibenz [a,h] anthracene	**138**	**169**	50.0
Dibenzofuran	**330**	ND	50.0

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/14-15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149941	149942
SAMPLE LOCATION:	ESE-1	ESE-2

	RESULTS (µg/Kg)		DETECTION LIMIT (µg/Kg)
1,2-Dichlorobenzene	ND	ND	100
1,3-Dichlorobenzene	ND	ND	100
1,4-Dichlorobenzene	ND	ND	100
3,3'-dichlorobenzidine	ND	ND	250
2,4-Dichlorophenol	ND	ND	50.0
Diethyl phthalate	ND	ND	125
2,4-Dimethylphenol	ND	ND	375
Dimethylphthalate	ND	ND	175
Di-n-butylphthalate	ND	ND	75.0
Di-n-octyl phthalate	ND	ND	200
1,2-Dinitrobenzene	ND	ND	50.0
1,3-Dinitrobenzene	ND	ND	75.0
1,4-Dinitrobenzene	ND	ND	50.0
4,6-Dinitro-2-methylphenol	ND	ND	100
2,4-Dinitrophenol	ND	ND	25.0
2,4-Dinitrotoluene	ND	ND	50.0
2,6-Dinitrotoluene	ND	ND	25.0
Fluoranthene	**4380**	**2390**	50.0
Fluorene	**602**	ND	50.0
Hexachlorobenzene	ND	ND	100
Hexachlorobutadiene	ND	ND	50.0
Hexachlorocyclopentadiene	ND	ND	1000
Hexachloroethane	ND	ND	200
Indeno [1,2,3-cd] pyrene	**709**	**498**	50.0
Isophorone	ND	ND	50.0
2-Methylnaphthalene	**1660**	ND	75.0
2-Methylphenol	ND	ND	100
3-Methylphenol/4-methylphenol	ND	ND	150

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/14-15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149941	149942	
SAMPLE LOCATION:	ESE-1	ESE-2	
	RESULTS (µg/Kg)		**DETECTION LIMIT (µg/Kg)**
Naphthalene	**304**	ND	75.0
2-Nitroaniline	ND	ND	75.0
3-Nitroaniline	ND	ND	150
4-Nitroaniline	ND	ND	100
Nitrobenzene	ND	ND	75.0
2-Nitrophenol	ND	ND	50.0
4-Nitrophenol	ND	ND	50.0
N-Nitrosodimethylamine	ND	ND	100
N-Nitrosodiphenylamine	ND	ND	50.0
N-nitroso-di-n-propylamine	ND	ND	100.0
Pentachlorophenol	ND	ND	100.0
Phenanthrene	**4010**	**1380**	50.0
Phenol	ND	ND	25.0
Pyrene	**3580**	**1850**	125
Pyridine	ND	ND	125
2,3,4,6-Tetrachlorophenol	ND	ND	100
1,2,4-Trichlorobenzene	ND	ND	75.0
2,4,5-Trichlorophenol	ND	ND	75.0
2,4,6-Trichlorophenol	ND	ND	50.0
Surrogate Recoveries			
2-Fluorophenol	61%	71%	
Phenol-d6	70%	77%	
Nitrobenzene-d5	55%	61%	
2-Fluorobiphenyl	56%	67%	
2,4,6-Tribromophenol	104%	100%	
Terphenyl-d14	99%	101%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149943	149944	149945	
SAMPLE LOCATION:	ESE-3	ESE-4	ESE-5	
	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Acenaphthene	ND	ND	ND	50.0
Acenaphthylene	ND	ND	ND	25.0
Acetophenone	ND	ND	ND	75.0
Aniline	ND	ND	ND	225
Anthracene	ND	ND	ND	50.0
Azobenzene	ND	ND	ND	50.0
Benzo [a] anthracene	**1190**	**704**	**219**	50.0
Benzo [b] fluoranthene	**1580**	**887**	**304**	50.0
Benzo k] fluoranthene	**486**	**310**	ND	100
Benzo [ghi] perylene	**821**	**385**	**150**	100
Benzo [a] pyrene	**966**	**539**	**186**	20.0
Benzyl alcohol	ND	ND	ND	100
Bis-(2-chloroethoxy)methane	ND	ND	ND	50.0
Bis-(2-chloroethyl) ether	ND	ND	ND	50.0
Bis-(2-chloroisopropyl) ether	ND	ND	ND	75.0
Bis-(2-ethylhexyl)phthalate	**1420**	**749**	**781**	200
4-Bromophenyl phenyl ether	ND	ND	ND	75.0
Butyl benzyl phthalate	ND	ND	ND	125
Carbazole	ND	ND	ND	75.0
4-Chloroaniline	ND	ND	ND	250
4-Chloro-3-methylphenol	ND	ND	ND	50.0
2-Chloronaphthalene	ND	ND	ND	50.0
2-Chlorophenol	ND	ND	ND	50.0
4-Chlorophenyl-phenylether	ND	ND	ND	50.0
Chrysene	**1710**	**941**	**303**	50.0
Dibenz [a,h] anthracene	**183**	**109**	ND	50.0
Dibenzofuran	ND	ND	ND	50.0

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149943	149944	149945
SAMPLE LOCATION:	ESE-3	ESE-4	ESE-5

	RESULTS (µg/Kg)			DETECTION LIMIT (µg/Kg)
1,2-Dichlorobenzene	ND	ND	ND	100
1,3-Dichlorobenzene	ND	ND	ND	100
1,4-Dichlorobenzene	ND	ND	ND	100
3,3'-dichlorobenzidine	ND	ND	ND	250
2,4-Dichlorophenol	ND	ND	ND	50.0
Diethyl phthalate	ND	ND	ND	125
2,4-Dimethylphenol	ND	ND	ND	375
Dimethylphthalate	ND	ND	ND	175
Di-n-butylphthalate	ND	ND	ND	75.0
Di-n-octyl phthalate	ND	ND	ND	200
1,2-Dinitrobenzene	ND	ND	ND	50.0
1,3-Dinitrobenzene	ND	ND	ND	75.0
1,4-Dinitrobenzene	ND	ND	ND	50.0
4,6-Dinitro-2-methylphenol	ND	ND	ND	100
2,4-Dinitrophenol	ND	ND	ND	25.0
2,4-Dinitrotoluene	ND	ND	ND	50.0
2,6-Dinitrotoluene	ND	ND	ND	25.0
Fluoranthene	**3730**	**1860**	**451**	50.0
Fluorene	ND	ND	ND	50.0
Hexachlorobenzene	ND	ND	ND	100
Hexachlorobutadiene	ND	ND	ND	50.0
Hexachlorocyclopentadiene	ND	ND	ND	1000
Hexachloroethane	ND	ND	ND	200
Indeno [1,2,3-cd] pyrene	**642**	**366**	**117**	50.0
Isophorone	ND	ND	ND	50.0
2-Methylnaphthalene	**1560**	**403**	ND	75.0
2-Methylphenol	ND	ND	ND	100
3-Methylphenol/4-methylphenol	ND	ND	ND	150

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149943	149944	149945	
SAMPLE LOCATION:	ESE-3	ESE-4	ESE-5	
	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Naphthalene	ND	ND	ND	75.0
2-Nitroaniline	ND	ND	ND	75.0
3-Nitroaniline	ND	ND	ND	150
4-Nitroaniline	ND	ND	ND	100
Nitrobenzene	ND	ND	ND	75.0
2-Nitrophenol	ND	ND	ND	50.0
4-Nitrophenol	ND	ND	ND	50.0
N-Nitrosodimethylamine	ND	ND	ND	100
N-Nitrosodiphenylamine	ND	ND	ND	50.0
N-nitroso-di-n-propylamine	ND	ND	ND	100.0
Pentachlorophenol	ND	ND	ND	100.0
Phenanthrene	**2540**	**1890**	**200**	50.0
Phenol	ND	ND	ND	25.0
Pyrene	**2900**	**1510**	**391**	125
Pyridine	ND	ND	ND	125
2,3,4,6-Tetrachlorophenol	ND	ND	ND	100
1,2,4-Trichlorobenzene	ND	ND	ND	75.0
2,4,5-Trichlorophenol	ND	ND	ND	75.0
2,4,6-Trichlorophenol	ND	ND	ND	50.0
Surrogate Recoveries				
2-Fluorophenol	69%	66%	63%	
Phenol-d6	73%	72%	70%	
Nitrobenzene-d5	56%	55%	56%	
2-Fluorobiphenyl	61%	62%	55%	
2,4,6-Tribromophenol	105%	100%	107%	
Terphenyl-d14	91%	97%	82%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149946	149947	
SAMPLE LOCATION:	ESE-6	ESE-7	
	RESULTS (µg/Kg)		**DETECTION LIMIT (µg/Kg)**
Acenaphthene	ND	ND	50.0
Acenaphthylene	ND	ND	25.0
Acetophenone	ND	ND	75.0
Aniline	ND	ND	225
Anthracene	ND	**95.6**	50.0
Azobenzene	ND	ND	50.0
Benzo [a] anthracene	ND	ND	50.0
Benzo [b] fluoranthene	**275**	ND	50.0
Benzo k] fluoranthene	ND	ND	100
Benzo [ghi] perylene	**159**	ND	100
Benzo [a] pyrene	**181**	ND	20.0
Benzyl alcohol	ND	ND	100
Bis-(2-chloroethoxy)methane	ND	ND	50.0
Bis-(2-chloroethyl) ether	ND	ND	50.0
Bis-(2-chloroisopropyl) ether	ND	ND	75.0
Bis-(2-ethylhexyl)phthalate	ND	ND	200
4-Bromophenyl phenyl ether	ND	ND	75.0
Butyl benzyl phthalate	ND	ND	125
Carbazole	ND	ND	75.0
4-Chloroaniline	ND	ND	250
4-Chloro-3-methylphenol	ND	ND	50.0
2-Chloronaphthalene	ND	ND	50.0
2-Chlorophenol	ND	ND	50.0
4-Chlorophenyl-phenylether	ND	ND	50.0
Chrysene	ND	ND	50.0
Dibenz [a,h] anthracene	ND	ND	50.0
Dibenzofuran	ND	ND	50.0

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149946	149947
SAMPLE LOCATION:	ESE-6	ESE-7

	RESULTS (µg/Kg)		DETECTION LIMIT (µg/Kg)
1,2-Dichlorobenzene	ND	ND	100
1,3-Dichlorobenzene	ND	ND	100
1,4-Dichlorobenzene	ND	ND	100
3,3'-dichlorobenzidine	ND	ND	250
2,4-Dichlorophenol	ND	ND	50.0
Diethyl phthalate	ND	ND	125
2,4-Dimethylphenol	ND	ND	375
Dimethylphthalate	ND	ND	175
Di-n-butylphthalate	ND	ND	75.0
Di-n-octyl phthalate	ND	ND	200
1,2-Dinitrobenzene	ND	ND	50.0
1,3-Dinitrobenzene	ND	ND	75.0
1,4-Dinitrobenzene	ND	ND	50.0
4,6-Dinitro-2-methylphenol	ND	ND	100
2,4-Dinitrophenol	ND	ND	25.0
2,4-Dinitrotoluene	ND	ND	50.0
2,6-Dinitrotoluene	ND	ND	25.0
Fluoranthene	**401**	**910**	50.0
Fluorene	ND	ND	50.0
Hexachlorobenzene	ND	ND	100
Hexachlorobutadiene	ND	ND	50.0
Hexachlorocyclopentadiene	ND	ND	1000
Hexachloroethane	ND	ND	200
Indeno [1,2,3-cd] pyrene	**118**	ND	50.0
Isophorone	ND	ND	50.0
2-Methylnaphthalene	ND	ND	75.0
2-Methylphenol	ND	ND	100
3-Methylphenol/4-methylphenol	ND	ND	150

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/15/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/14/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149946	149947	
SAMPLE LOCATION:	ESE-6	ESE-7	
	RESULTS (µg/Kg)		**DETECTION LIMIT (µg/Kg)**
Naphthalene	ND	ND	75.0
2-Nitroaniline	ND	ND	75.0
3-Nitroaniline	ND	ND	150
4-Nitroaniline	ND	ND	100
Nitrobenzene	ND	ND	75.0
2-Nitrophenol	ND	ND	50.0
4-Nitrophenol	ND	ND	50.0
N-Nitrosodimethylamine	ND	ND	100
N-Nitrosodiphenylamine	ND	ND	50.0
N-nitroso-di-n-propylamine	ND	ND	100.0
Pentachlorophenol	ND	ND	100.0
Phenanthrene	**122**	**274**	50.0
Phenol	ND	ND	25.0
Pyrene	**355**	**754**	125
Pyridine	ND	ND	125
2,3,4,6-Tetrachlorophenol	ND	ND	100
1,2,4-Trichlorobenzene	ND	ND	75.0
2,4,5-Trichlorophenol	ND	ND	75.0
2,4,6-Trichlorophenol	ND	ND	50.0
Surrogate Recoveries			
2-Fluorophenol	68%	76%	
Phenol-d6	72%	78%	
Nitrobenzene-d5	54%	57%	
2-Fluorobiphenyl	47%	52%	
2,4,6-Tribromophenol	96%	101%	
Terphenyl-d14	68%	75%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04		
COLLECTED BY:	CLIENT		

SEMI-VOLATILE ORGANICS - QC

	Blank	Spike % Rec.	Limits
Phenol	ND	77%	30-130%
2-chlorophenol	ND	76%	30-130%
1,4-Dichlorobenzene	ND	69%	40-140%
N-Nitroso-di-n-propylamine	ND	67%	40-140%
1,2,4-Trichlorobenzene	ND	71%	40-140%
4-Chloro-3-methylphenol	ND	90%	30-130%
Acenaphthene	ND	82%	40-140%
4-Nitrophenol	ND	98%	30-130%
2,4-Dinitrotoluene	ND	81%	40-140%
Pentachlorophenol	ND	98%	30-130%
Pyrene	ND	93%	40-140%

Surrogate Recoveries:	% Rec.	% Rec.	Limits
2-Fluorophenol	57%	72%	30-130%
Phenol-d6	61%	76%	30-130%
Nitrobenzene-d5	58%	63%	30-130%
2-Fluorobiphenyl	63%	68%	30-130%
2,4,6-Tribromophenol	78%	97%	30-130%
Terphenyl-d14	91%	86%	30-130%

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149948	149949	149950	
SAMPLE LOCATION:	ESW-1	ESW-2	ESW-3	
	RESULTS (µg/L)			**DETECTION LIMIT (µg/L)**
Acenaphthene	ND	ND	ND	0.500
Acenaphthylene	ND	ND	ND	0.250
Acetophenone	ND	ND	ND	0.750
Aniline	ND	ND	ND	2.250
Anthracene	ND	ND	ND	0.500
Azobenzene	ND	ND	ND	5.000
Benzo [a] anthracene	ND	ND	ND	0.500
Benzo [b] fluoranthene	ND	ND	ND	0.500
Benzo k] fluoranthene	ND	ND	ND	1.000
Benzo [ghi] perylene	ND	ND	ND	1.000
Benzo [a] pyrene	ND	ND	ND	0.200
Benzyl alcohol	ND	ND	ND	1.000
Bis-(2-chloroethoxy)methane	ND	ND	ND	0.500
Bis-(2-chloroethyl) ether	ND	ND	ND	0.500
Bis-(2-chloroisopropyl) ether	ND	ND	ND	0.750
Bis-(2-ethylhexyl)phthalate	**6.22**	**10.9**	**5.84**	2.000
4-Bromophenyl phenyl ether	ND	ND	ND	0.750
Butyl benzyl phthalate	ND	ND	ND	1.250
Carbazole	ND	ND	ND	0.750
4-Chloroaniline	ND	ND	ND	2.500
4-Chloro-3-methylphenol	ND	ND	ND	0.500
2-Chloronaphthalene	ND	ND	ND	0.500
2-Chlorophenol	ND	ND	ND	0.500
4-Chlorophenyl-phenylether	ND	ND	ND	0.500
Chrysene	ND	ND	ND	0.500
Dibenz [a,h] anthracene	ND	ND	ND	0.500
Dibenzofuran	ND	ND	ND	0.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149948	149949	149950
SAMPLE LOCATION:	ESW-1	ESW-2	ESW-3

	RESULTS (µg/L)			DETECTION LIMIT (µg/L)
1,2-Dichlorobenzene	ND	ND	ND	1.000
1,3-Dichlorobenzene	ND	ND	ND	1.000
1,4-Dichlorobenzene	ND	ND	ND	1.000
3,3'-dichlorobenzidine	ND	ND	ND	2.500
2,4-Dichlorophenol	ND	ND	ND	0.500
Diethyl phthalate	ND	ND	ND	1.250
2,4-Dimethylphenol	ND	ND	ND	3.750
Dimethylphthalate	ND	ND	ND	1.750
Di-n-butylphthalate	ND	ND	ND	0.750
Di-n-octyl phthalate	ND	ND	ND	2.000
1,2-Dinitrobenzene	ND	ND	ND	5.000
1,3-Dinitrobenzene	ND	ND	ND	0.750
1,4-Dinitrobenzene	ND	ND	ND	5.000
4,6-Dinitro-2-methylphenol	ND	ND	ND	1.000
2,4-Dinitrophenol	ND	ND	ND	0.250
2,4-Dinitrotoluene	ND	ND	ND	0.500
2,6-Dinitrotoluene	ND	ND	ND	0.250
Fluoranthene	ND	**1.78**	ND	0.500
Fluorene	ND	ND	ND	0.500
Hexachlorobenzene	ND	ND	ND	1.000
Hexachlorobutadiene	ND	ND	ND	0.500
Hexachlorocyclopentadiene	ND	ND	ND	10.000
Hexachloroethane	ND	ND	ND	2.000
Indeno [1,2,3-cd] pyrene	ND	ND	ND	0.500
Isophorone	ND	ND	ND	0.500
2-Methylnaphthalene	ND	ND	ND	0.750
2-Methylphenol	ND	ND	ND	1.000
3-Methylphenol/4-methylphenol	ND	ND	ND	1.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149948	149949	149950
SAMPLE LOCATION:	ESW-1	ESW-2	ESW-3

	RESULTS (µg/L)			**DETECTION LIMIT (µg/L)**
Naphthalene	ND	ND	ND	0.750
2-Nitroaniline	ND	ND	ND	0.750
3-Nitroaniline	ND	ND	ND	1.500
4-Nitroaniline	ND	ND	ND	1.000
Nitrobenzene	ND	ND	ND	0.750
2-Nitrophenol	ND	ND	ND	0.500
4-Nitrophenol	ND	ND	ND	0.500
N-Nitrosodimethylamine	ND	ND	ND	1.000
N-Nitrosodiphenylamine	ND	ND	ND	5.000
N-nitroso-di-n-propylamine	ND	ND	ND	1.000
Pentachlorophenol	ND	ND	ND	1.000
Phenanthrene	ND	ND	ND	0.500
Phenol	ND	ND	ND	0.250
Pyrene	ND	**2.10**	ND	1.250
Pyridine	ND	ND	ND	1.250
2,3,4,6-Tetrachlorophenol	ND	ND	ND	1.000
1,2,4-Trichlorobenzene	ND	ND	ND	0.750
2,4,5-Trichlorophenol	ND	ND	ND	0.750
2,4,6-Trichlorophenol	ND	ND	ND	0.500
Surrogate Recoveries				
2-Fluorophenol	41%	43%	50%	
Phenol-d6	34%	38%	43%	
Nitrobenzene-d5	55%	59%	79%	
2-Fluorobiphenyl	47%	65%	69%	
2,4,6-Tribromophenol	94%	110%	104%	
Terphenyl-d14	95%	113%	114%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04
PRESERVATIVE:	N/A		

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149951
SAMPLE LOCATION:	ESW-4

	RESULTS (µg/L)	**DETECTION LIMIT (µg/L)**
Acenaphthene	ND	0.500
Acenaphthylene	ND	0.250
Acetophenone	ND	0.750
Aniline	ND	2.250
Anthracene	ND	0.500
Azobenzene	ND	5.000
Benzo [a] anthracene	ND	0.500
Benzo [b] fluoranthene	ND	0.500
Benzo k] fluoranthene	ND	1.000
Benzo [ghi] perylene	ND	1.000
Benzo [a] pyrene	ND	0.200
Benzyl alcohol	ND	1.000
Bis-(2-chloroethoxy)methane	ND	0.500
Bis-(2-chloroethyl) ether	ND	0.500
Bis-(2-chloroisopropyl) ether	ND	0.750
Bis-(2-ethylhexyl)phthalate	**6.58**	2.000
4-Bromophenyl phenyl ether	ND	0.750
Butyl benzyl phthalate	ND	1.250
Carbazole	ND	0.750
4-Chloroaniline	ND	2.500
4-Chloro-3-methylphenol	ND	0.500
2-Chloronaphthalene	ND	0.500
2-Chlorophenol	ND	0.500
4-Chlorophenyl-phenylether	ND	0.500
Chrysene	**0.939**	0.500
Dibenz [a,h] anthracene	ND	0.500
Dibenzofuran	ND	0.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER:	149951
SAMPLE LOCATION:	ESW-4

	RESULTS (µg/L)	**DETECTION LIMIT (µg/L)**
1,2-Dichlorobenzene	ND	1.000
1,3-Dichlorobenzene	ND	1.000
1,4-Dichlorobenzene	ND	1.000
3,3'-dichlorobenzidine	ND	2.500
2,4-Dichlorophenol	ND	0.500
Diethyl phthalate	ND	1.250
2,4-Dimethylphenol	ND	3.750
Dimethylphthalate	ND	1.750
Di-n-butylphthalate	ND	0.750
Di-n-octyl phthalate	ND	2.000
1,2-Dinitrobenzene	ND	5.000
1,3-Dinitrobenzene	ND	0.750
1,4-Dinitrobenzene	ND	5.000
4,6-Dinitro-2-methylphenol	ND	1.000
2,4-Dinitrophenol	ND	0.250
2,4-Dinitrotoluene	ND	0.500
2,6-Dinitrotoluene	ND	0.250
Fluoranthene	**0.990**	0.500
Fluorene	ND	0.500
Hexachlorobenzene	ND	1.000
Hexachlorobutadiene	ND	0.500
Hexachlorocyclopentadiene	ND	10.000
Hexachloroethane	ND	2.000
Indeno [1,2,3-cd] pyrene	ND	0.500
Isophorone	ND	0.500
2-Methylnaphthalene	ND	0.750
2-Methylphenol	ND	1.000
3-Methylphenol/4-methylphenol	ND	1.500

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS

SAMPLE NUMBER: 149951
SAMPLE LOCATION: ESW-4

	RESULTS (µg/L)	DETECTION LIMIT (µg/L)
Naphthalene	ND	0.750
2-Nitroaniline	ND	0.750
3-Nitroaniline	ND	1.500
4-Nitroaniline	ND	1.000
Nitrobenzene	ND	0.750
2-Nitrophenol	ND	0.500
4-Nitrophenol	ND	0.500
N-Nitrosodimethylamine	ND	1.000
N-Nitrosodiphenylamine	ND	5.000
N-nitroso-di-n-propylamine	ND	1.000
Pentachlorophenol	ND	1.000
Phenanthrene	ND	0.500
Phenol	ND	0.250
Pyrene	ND	1.250
Pyridine	ND	1.250
2,3,4,6-Tetrachlorophenol	ND	1.000
1,2,4-Trichlorobenzene	ND	0.750
2,4,5-Trichlorophenol	ND	0.750
2,4,6-Trichlorophenol	ND	0.500
Surrogate Recoveries		
2-Fluorophenol	36%	
Phenol-d6	35%	
Nitrobenzene-d5	63%	
2-Fluorobiphenyl	68%	
2,4,6-Tribromophenol	91%	
Terphenyl-d14	117%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8270C (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SURFACE WATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	RD
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/08/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

SEMI-VOLATILE ORGANICS - QC

	Blank	Spike % Rec.	Limits
Phenol	ND	40%	30-130%
2-chlorophenol	ND	69%	30-130%
1,4-Dichlorobenzene	ND	55%	40-140%
N-Nitroso-di-n-propylamine	ND	72%	40-140%
1,2,4-Trichlorobenzene	ND	60%	40-140%
4-Chloro-3-methylphenol	ND	93%	30-130%
Acenaphthene	ND	77%	40-140%
4-Nitrophenol	ND	67%	30-130%
2,4-Dinitrotoluene	ND	64%	40-140%
Pentachlorophenol	ND	99%	30-130%
Pyrene	ND	114%	40-140%

Surrogate Recoveries:	% Rec.	% Rec.	Limits
2-Fluorophenol	52%	47%	30-130%
Phenol-d6	42%	39%	30-130%
Nitrobenzene-d5	67%	62%	30-130%
2-Fluorobiphenyl	64%	60%	30-130%
2,4,6-Tribromophenol	107%	98%	30-130%
Terphenyl-d14	108%	106%	30-130%

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW
PRESERVATIVE:	NITRIC ACID		

TOTAL RCRA METALS

SAMPLE NUMBER: 149939
SAMPLE LOCATION: MW-A

	RESULTS (mg/L)	DETECTION LIMIT (mg/L)	DIGESTION DATE	ANALYSIS DATE
ARSENIC	ND	0.05	06/08/04	06/09/04
BARIUM	**0.0370**	0.03	06/08/04	06/09/04
CADMIUM	ND	0.005	06/08/04	06/09/04
CHROMIUM	ND	0.06	06/08/04	06/09/04
LEAD	ND	0.010	06/08/04	06/09/04
MERCURY	ND	0.001	06/08/04	06/08/04
SELENIUM	ND	0.05	06/08/04	06/09/04
SILVER	ND	0.007	06/08/04	06/09/04

ND = NOT DETECTED

Method Reference:

EPA Method	3010A (1)	Metal Preparation
EPA Method	6010B (1)	Inductively Coupled Plasma
EPA Method	245.1 (2)	Manual Cold Vapor (Mercury)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.
2) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples", Supplement I-EPA/600/R-94-111-May 1994.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW

METALS QC

	Blank	Spike % Rec.	Limits
Arsenic	ND	90%	80-120%
Barium	ND		80-120%
Cadmium	ND	86%	80-120%
Chromium	ND	88%	80-120%
Lead	ND	91%	80-120%
Mercury	ND	105%	80-120%
Selenium	ND	84%	80-120%
Silver	ND	95%	80-120%

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW

TOTAL RCRA METALS

SAMPLE NUMBER:	149941	149942
SAMPLE LOCATION:	ESE-1	ESE-2

	RESULTS (mg/Kg)		DETECTION LIMIT (mg/Kg)	DIGESTION DATE	ANALYSIS DATE
ARSENIC	ND	ND	8.70	06/07/04	06/08/04
BARIUM	**5.83**	**9.31**	3.60	06/07/04	06/08/04
CADMIUM	ND	ND	5.94	06/07/04	06/08/04
CHROMIUM	ND	ND	6.90	06/07/04	06/08/04
LEAD	**11.7**	**15.8**	8.76	06/07/04	06/08/04
MERCURY	ND	ND	0.100	06/07/04	06/07/04
SELENIUM	ND	ND	7.59	06/07/04	06/08/04
SILVER	ND	ND	0.33	06/08/04	06/09/04

ND = NOT DETECTED

Method Reference:

EPA Method	3050A (1)	Metals Preparation
EPA Method	6010B (1)	Inductively Coupled Plasma
EPA Method	7471 (1)	Manual Cold Vapor (Mercury)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.
2) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples", Supplement I-EPA/600/R-94-111-May 1994.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW

TOTAL RCRA METALS

SAMPLE NUMBER:	149943	149944
SAMPLE LOCATION:	ESE-3	ESE-4

	RESULTS (mg/Kg)		DETECTION LIMIT (mg/Kg)	DIGESTION DATE	ANALYSIS DATE
ARSENIC	ND	ND	8.70	06/07/04	06/08/04
BARIUM	**10.5**	**7.63**	3.60	06/07/04	06/08/04
CADMIUM	ND	ND	5.94	06/07/04	06/08/04
CHROMIUM	**7.47**	ND	6.90	06/07/04	06/08/04
LEAD	**18.4**	ND	8.76	06/07/04	06/08/04
MERCURY	ND	**0.577**	0.100	06/07/04	06/07/04
SELENIUM	ND	ND	7.59	06/07/04	06/08/04
SILVER	ND	ND	0.33	06/08/04	06/09/04

ND = NOT DETECTED

Method Reference:

EPA Method	3050A (1)	Metals Preparation
EPA Method	6010B (1)	Inductively Coupled Plasma
EPA Method	7471 (1)	Manual Cold Vapor (Mercury)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.
2) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples", Supplement I-EPA/600/R-94-111-May 1994.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW

TOTAL RCRA METALS

SAMPLE NUMBER:	149945	149946
SAMPLE LOCATION:	ESE-5	ESE-6

	RESULTS (mg/Kg)		DETECTION LIMIT (mg/Kg)	DIGESTION DATE	ANALYSIS DATE
ARSENIC	ND	ND	8.70	06/07/04	06/08/04
BARIUM	**24.2**	**43.3**	3.60	06/07/04	06/08/04
CADMIUM	ND	ND	5.94	06/07/04	06/08/04
CHROMIUM	ND	**20.7**	6.90	06/07/04	06/08/04
LEAD	**61.1**	**172**	8.76	06/07/04	06/08/04
MERCURY	**0.164**	ND	0.100	06/07/04	06/07/04
SELENIUM	ND	ND	7.59	06/07/04	06/08/04
SILVER	ND	**1.42**	0.33	06/08/04	06/09/04

ND = NOT DETECTED

Method Reference:

EPA Method	3050A (1)	Metals Preparation
EPA Method	6010B (1)	Inductively Coupled Plasma
EPA Method	7471 (1)	Manual Cold Vapor (Mercury)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.
2) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples", Supplement I-EPA/600/R-94-111-May 1994.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	SEE BELOW
COLLECTED BY:	CLIENT	DIGESTION DATE:	SEE BELOW

TOTAL RCRA METALS

SAMPLE NUMBER: 149947
SAMPLE LOCATION: ESE-7

	RESULTS (mg/Kg)	DETECTION LIMIT (mg/Kg)	DIGESTION DATE	ANALYSIS DATE
ARSENIC	ND	8.70	06/07/04	06/08/04
BARIUM	**87.2**	3.60	06/07/04	06/08/04
CADMIUM	ND	5.94	06/07/04	06/08/04
CHROMIUM	**18.8**	6.90	06/07/04	06/08/04
LEAD	**226**	8.76	06/07/04	06/08/04
MERCURY	**1.45**	0.100	06/07/04	06/07/04
SELENIUM	ND	7.59	06/07/04	06/08/04
SILVER	**1.66**	0.33	06/08/04	06/09/04

ND = NOT DETECTED

Method Reference:

EPA Method	3050A (1)	Metals Preparation
EPA Method	6010B (1)	Inductively Coupled Plasma
EPA Method	7471 (1)	Manual Cold Vapor (Mercury)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.
2) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples", Supplement I-EPA/600/R-94-111-May 1994.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	QS / GP
REC'D BY LAB:	06/03/04		
COLLECTED BY:	CLIENT		

METALS QC

	Blank	Spike % Rec.	Limits
Arsenic	ND	85%	80-120%
Barium	ND	91%	80-120%
Cadmium	ND	83%	80-120%
Chromium	ND	87%	80-120%
Lead	ND	87%	80-120%
Mercury	ND	111%	80-120%
Selenium	ND	88%	80-120%
Silver	ND	83%	80-120%

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	CL 06/07/04
REC'D BY LAB:	06/03/04	EXTRACTION DATE:	06/04/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

PETROLEUM HYDROCARBON SCAN

SAMPLE NUMBER: 149938
SAMPLE LOCATION: DCW-1

	RESULTS (%)	**DETECTION LIMIT (%)**
DIESEL/FUEL #2	ND	1.0
FUEL OIL #4	ND	1.0
FUEL OIL #6	ND	1.0
GASOLINE	ND	1.0
KEROSENE/JET FUEL	ND	1.0
MOTOR OIL	ND	1.0
TRANSFORMER OIL	ND	1.0
PARAFIN OIL	ND	1.0
UNKNOWN HYDROCARBON QUANTITATED USING THE MOST SIMILAR STANDARD:		
DIESEL FUEL #2	**90.2**	1.0

ND = NOT DETECTED

Method Reference:

EPA Method Modified 8100 (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846,

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	CL
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/10/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	149941	149942	149943	
SAMPLE LOCATION:	ESE-1	ESE-2	ESE-3	
	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	ND	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	78%	82%	82%	30-150%
DCBP Signal 1	88%	110%	92%	30-150%
TCMX Signal 2	74%	84%	82%	30-150%
DCBP Signal 2	106%	138%	110%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	CL
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/10/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	149944	149945	149946	
SAMPLE LOCATION:	ESE-4	ESE-5	ESE-6	
	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	ND	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	82%	68%	78%	30-150%
DCBP Signal 1	98%	54%	76%	30-150%
TCMX Signal 2	74%	64%	76%	30-150%
DCBP Signal 2	114%	84%	98%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	CL
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/10/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/07/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 149947
SAMPLE LOCATION: ESE-7

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	72%	30-150%
DCBP Signal 1	62%	30-150%
TCMX Signal 2	68%	30-150%
DCBP Signal 2	66%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	CL
REC'D BY LAB:	06/03/04		
COLLECTED BY:	CLIENT		

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	61	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	84	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	**BLANK**	LCS				
TCMX SIGNAL 1	48%	48%				
DCBP SIGNAL 1	66%	94%				
TCMX SIGNAL 2	49%	50%				
DCBP SIGNAL 2	62%	88%				

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**DECOULOS & COMPANY**	PROJECT ID:	131 MAIN STREET
SAMPLE TYPE:	SOIL	REPORT DATE:	06/16/04
COLLECTION DATE:	06/03/04	ANALYZED BY:	MA-0071
REC'D BY LAB:	06/03/04	ANALYSIS DATE:	06/11/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	N/A

TOTAL ORGANIC CARBON

SAMPLE NUMBER	SAMPLE LOCATION	TOTAL ORGANIC CARBON (mg/Kg)	DETECTION LIMIT (mg/Kg)
149941	ESE-1	**4650**	100
149942	ESE-2	**2990**	100
149943	ESE-3	**14000**	100
149944	ESE-4	**6380**	100
149945	ESE-5	**36200**	100
149946	ESE-6	**35400**	100
149947	ESE-7	**68500**	100

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 9060 (1)

1) U.S. EPA. Test for Evaluating Solid Waste, Physical Chemical Methods, SW-846, 1986 3rd Edition.

1) U.S. EPA 1994. "Methods for the Determination of Metals in Environmental Samples",-Supplement I-EPA/600/R-94-111-May 1994.

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

GeoLabs, Inc.
Environmental Laboratories
45 Johnson Lane
Braintree, MA 02184
Phone: 781-848-7844
Fax: 781-848-7811

Turnaround Time
RUSH: 24hrs ☐ 48hrs ☐ 72hrs ☐ STANDARD: 5 Days ✓ Rush Approved By: ____

SPECIAL INSTRUCTIONS
Re-Matching EPH waters 149948-51

Client: Decoulos & Co
Address: 3 Electronics Ave Danvers, ma. 01923
Phone: 617-489-7795
Fax: 877-842-9629
Contact: James
E-mail:

Project Number: 616
Project Location: 131 Main St. Carver Eagle Gas Station
Purchase Order #:
Collected By: JD

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	COLLECTION SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	EPH	8270	RCRA 8	PCB's	Total organic Carbon (TOC)				TEMPERATURE	LAB PH
ESE-1	6/3	1600	JD	South Meadow Brook	A/A	2	S		X	**	149941	X	X	X	X	X					20	
ESE-2											149942	X	X	X	X	X						
ESE-3											149943	X	X	X	X	X						
ESE-4											149944	X	X	X	X	X						
ESE-5											149945	X	X	X	X	X						
ESE-6											149946	X	X	X	X	X						
ESE-7							SW				149947	X	X	X	X	X						
ESW-1	6/3	1530	JD								149948	X	X									42
ESW-2											149949	X	X									
ESW-3											149950	X	X									
ESW-4											149951											

** 1 = HCl, 7 = ICE

CONTAINER CODES:
A = Amber
B = Bag
G = Glass
P = Plastic
S = Summa Canister
O = Other V = VOA

MATRIX CODES:
GW = Ground Water
WW = Wastewater
DW = Drinking Water
SL = Sludge
S = Soil A = Air
O = Oil OT = Other

PRESERVATIVE CODES:
1 = HCl 7 = ICE
2 = HNO_3
3 = H_2SO_4
4 = $Na_2S_2O_3$
5 = NaOH
6 = MeOH

	Relinquished By:	Date/Time	Received By:	Date/Time:
1		6/3/04 1800		6/4/04
2	Relinquished By:	6/4/04 10:45	Received By:	
3	Relinquished By:		Received By GeoLabs:	6/4/04 1047

GEOLABS CHAIN OF CUSTODY

GeoLabs, Inc.
Environmental Laboratories
45 Johnson Lane
Braintree, MA 02184
Phone: 781-848-7844
Fax: 781-848-7811

Turnaround Time
RUSH: 24hrs ☐ 48hrs ☐ 72hrs ☐ Rush Approved By: ____
STANDARD: ✓ 5 Days

SPECIAL INSTRUCTIONS

* DCW-1 has a lot of product in it. wants to know if oil or gas
Called Jim D. Run TPH Fingerprint on 149938 JM 6/4

Client: Decoulos & Co.
Address: 3 Electronics Ave. Danvers, Ma. 01923
Phone: 617-489-7793
Fax: 877-842-9629
Contact: James
E-mail:

Project Number:
Project Location: 131 Main St. Carver MA Eagle Gas Station.
Purchase Order #:
Collected By:

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	EPH ≈2	VPH	8270-Y	RCRA-8 CZ	TPH Fingerprint				TEMPERATURE	LAB pH
BP-1	6/3	9:00		Same	A V	2 2	GW		✓	1+7	149931	✓	✓							60	
BP-2	6/3	9:15			A V	2 2			✓	1+7	149932	✓	✓								
BP-3	6/3	10:00			A V	2 2			✓	1+7	149933	✓	✓								
DCW-3	6/3	11:00			A V	2 2			✓	1+7	149934	✓	✓								
DCW-3A	6/3	11:00			A V	2 2			✓	1+7	149935	✓	✓								
DCW-2	6/3	1:00			A V	2 2			✓	1+7	149936	✓	✓								
KEI-4	6/3	1:00			A V	2 2			✓	1+7	149937	✓	✓								
* DCW-1	6/3	1:15			A	1			✓	1+7	149938	✓	*			✓					
MW-A	6/3	2:00			A V P	1 1 1			✓	1+7 4	149939	✓	✓	✓	✓						7
MW-1	6/3	2:15			A V	1 2			✓	1+7	149940	✓	✓							V	

CONTAINER CODES:
A = Amber
B = Bag
G = Glass
P = Plastic
S = Summa Canister
O = Other V = VOA

MATRIX CODES:
GW = Ground Water
WW = Wastewater
DW = Drinking Water
SL = Sludge
S = Soil **A** = Air
O = Oil **OT** = Other

PRESERVATIVE CODES:
1 = HCl 7 = ICE
2 = HNO_3
3 = H_2SO_4
4 = $Na_2S_2O_3$
5 = NaOH
6 = MeOH

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	6/3/04 5:30		
Relinquished By:		Received By:	
Relinquished By:		Received By GeoLabs: [signature]	6/3/04 1730

GEOLABS CHAIN OF CUSTODY

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Decoulos & Company
3 Electronics Avenue
Danvers, MA 01923

Attn: Jim Decoulos

PROJECT ID:	616 Eagle Gas Carver
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	153961 - 153963
DATE PREPARED:	August 27, 2004
PREPARED BY:	Sherry Modestino
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	616
Project Location:	Eagle Gas	MADEP RTN:	

This form provides certifications for the following data set: 153961 - 153963

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH (x)	6020 ( )	9014M[2] ( )	
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)
1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Met
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: 8/30/04

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 616
Client Name: Decoulos & Company

Sample Number: 153961 - 153963
Received: 08/20/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation., with the following exception:

Samples received on ice at a temperature of 9 deg

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☒ Samples received in MeOH ☒ Covering soil ? ☐ Not	☒1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

	Client ID:	DCW-4C	DCW-7B	
	Lab ID:	153961	153962	
	Date Collected:	8/17/04	8/18/04	
	Date Received:	8/20/04	8/20/04	
	Date Analyzed:	8/27/04	8/25/04	
	Dilution Factor:	1	1	
	Total solids (%):	100	100	

Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C5-C8 Aliphatics1	N/A	1.50	mg/Kg	ND	**162**	
Unadjusted C9-C12 Aliphatics1	N/A	0.50	mg/Kg	ND	**56.2**	
Benzene	C5-C8 Aliph	0.50	mg/Kg	ND	ND	
Ethylbenzene	C5-C8 Aliph	0.50	mg/Kg	ND	**3.41**	
Methyl-tert-butyl ether	C5-C8 Allph	0.25	mg/Kg	ND	ND	
Naphthalene	N/A	1.00	mg/Kg	ND	**9.20**	
Toluene	C5-C8 Aliph	0.50	mg/Kg	ND	**1.89**	
m-,p-Xylenes	C5-C8 Aliph	0.50	mg/Kg	ND	**13.4**	
o-Xylene	C9-C12 Aliph.	0.50	mg/Kg	ND	**5.52**	
C5-C8 Aliphatic Hydrocarbons2	N/A	1.50	mg/Kg	ND	**143**	
C9-C12 Aliphatic Hydrocarbons3	N/A	0.50	mg/Kg	ND	ND	
C9-C10 Aromatic Hydrocarbons	N/A	0.50	mg/Kg	ND	**108**	
1,2-DCE Surrogate Recovery				103%	107%	
Toluene-d8 Surrogate % Recovery				100%	100%	
BFB Surrogate % Recovery				96%	110%	
2,5-Dibromotoluene Surrogate % Recovery				112%	119%	
Surrogate Acceptance Range				70-130%	70-130%	

[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range

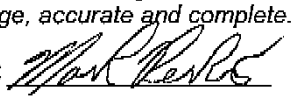
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE:  POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/27/04

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☒ Soil ☐ Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☒ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☒ Samples received in MeOH ☒ Covering soil ? ☐ Not	☒ 1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH GC/MS
Method for Target Analytes: MA VPH - GC/MS
VPH Surrogate Standards
2,5-Dibromotoluene
1,2-DCE
Toluene-d8
BFB

Client ID:	DCW-7C
Lab ID:	153963
Date Collected:	8/18/04
Date Received:	8/20/04
Date Analyzed:	8/26/04
Dilution Factor:	5
Total solids (%):	100

Range/Target Analyte	Elut. Range	RL	Units	
Unadjusted C5-C8 Aliphatics1	N/A	7.50	mg/Kg	**975**
Unadjusted C9-C12 Aliphatics1	N/A	2.50	mg/Kg	**1740**
Benzene	C5-C8 Aliph	2.50	mg/Kg	ND
Ethylbenzene	C5-C8 Aliph	2.50	mg/Kg	**21.5**
Methyl-tert-butyl ether	C5-C8 Aliph	1.25	mg/Kg	ND
Naphthalene	N/A	5.00	mg/Kg	**60.0**
Toluene	C5-C8 Aliph	2.50	mg/Kg	**10.7**
m-,p-Xylenes	C5-C8 Aliph	2.50	mg/Kg	**84.4**
o-Xylene	C9-C12 Aliph.	2.50	mg/Kg	**32.0**
C5-C8 Aliphatic Hydrocarbons2	N/A	7.50	mg/Kg	**858**
C9-C12 Aliphatic Hydrocarbons3	N/A	2.50	mg/Kg	**1627**
C9-C10 Aromatic Hydrocarbons	N/A	2.50	mg/Kg	**80.7**
1,2-DCE Surrogate Recovery				104%
Toluene-d8 Surrogate % Recovery				100%
BFB Surrogate % Recovery				107%
2,5-Dibromotoluene Surrogate % Recovery				110%
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon ranges exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range

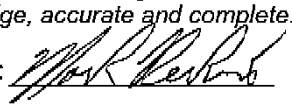
[3]C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method? ☐ No ☒ Yes - Details below

Aromatic and aliphatic ranges are quantitated by GC/MS Total Ion Chromatogram and all targets are quantitated by GC/MS Selected Ion Measurements.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE:  POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/27/04

GeoLabs, Inc.
Environmental Laboratories

VPH QC

08/25/04

Matrix:	Soil (mg/Kg)	LCS	Limit	BLANK
MTBE		80%	70-130%	ND
Benzene		95%	70-130%	ND
Toluene		98%	70-130%	ND
Ethyl Benzene		103%	70-130%	ND
m,p-xylene		100%	70-130%	ND
o-xylene		103%	70-130%	ND
Naphthalene		112%	70-130%	ND
Surrogate Recoveries:				
1,2-Dichloroethane		104%	70-130%	106%
Toluene-D8		100%	70-130%	101%
BFB		98%	70-130%	97%
2,5-Dibromotoluene		104%	70-130%	118%

08/26/04

Matrix:	Soil (mg/Kg)	LCS	Limit	BLANK
MTBE		97%	70-130%	ND
Benzene		100%	70-130%	ND
Toluene		111%	70-130%	ND
Ethyl Benzene		116%	70-130%	ND
m,p-xylene		114%	70-130%	ND
o-xylene		117%	70-130%	ND
Naphthalene		111%	70-130%	ND
Surrogate Recoveries:				
1,2-Dichloroethane		106%	70-130%	107%
Toluene-D8		102%	70-130%	100%
BFB		95%	70-130%	96%
2,5-Dibromotoluene		109%	70-130%	129%

08/27/04

Matrix:	Soil (mg/Kg)	LCS	Limit	BLANK
MTBE		103%	70-130%	ND
Benzene		107%	70-130%	ND
Toluene		117%	70-130%	ND
Ethyl Benzene		122%	70-130%	ND
m,p-xylene		120%	70-130%	ND
o-xylene		123%	70-130%	ND
Naphthalene		119%	70-130%	ND
Surrogate Recoveries:				
1,2-Dichloroethane		103%	70-130%	106%
Toluene-D8		101%	70-130%	100%
BFB		94%	70-130%	95%
2,5-Dibromotoluene		112%	70-130%	130%

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

This lab report meets all requirements of NELAC unless otherwise noted.

Any and all subsequent pages of this report are chain(s) of custody.

GeoLabs, Inc.
Environmental Laboratories
45 Johnson Lane
Braintree, MA 02184
Phone: 781-848-7844
Fax: 781-848-7811

Turnaround Time
RUSH: 24hrs ☐ 48hrs ☐ 72hrs ☐ Rush
STANDARD: 5 Days ✓
Approved By:

Page 1 of 1

SPECIAL INSTRUCTIONS

Client: DECOULOS + COMPANY
Address: 3 ELECTRONICS AVE
DANVERS MA
Phone: 617-489-7795
Fax:
Contact: JIM
E-mail: JAMESJ@DECOULOS.COM

Project Number: 616
Project Location: EAGLE GAS
131 MAIN ST
CANVER, MA
Purchase Order #:
Collected By: JJD

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	COLLECTION SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	VPH								TEMPERATURE	LAB pH
DCW-4C	8/17	1330	JD		V	1	S		X	H	153961	X								3°	
DCW-7B	8/18	1330	JD		↓	↓	↓		X	↓	153962	X								↓	
DCW-7C	8/19	1400	JD		↓	↓	↓		X	↓	153963	X									

CONTAINER CODES:
A = Amber
B = Bag
G = Glass
P = Plastic
S = Summa Canister
O = Other V = VOA

MATRIX CODES:
GW = Ground Water
WW = Wastewater
DW = Drinking Water
SL = Sludge
S = Soil A = Air
O = Oil OT = Other

PRESERVATIVE CODES:
1 = HCl 7 = ICE
2 = HNO_3
3 = H_2SO_4
4 = $Na_2S_2O_3$
5 = NaOH
6 = MeOH

Relinquished By: JJD Date/Time 8/20/04
Relinquished By: JJD 8/20/04 4:15
Relinquished By:

Received By: M. Date/Time: 8/20/04 2:30
Received By:
Received By GeoLabs: 1615 8-20-04

GEOLABS CHAIN OF CUSTODY

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Decoulos & Company
3 Electronics Avenue
Danvers, MA 01923

Attn: Jim Decoulos

PROJECT ID:	616 131 Main Street Carver, MA
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	154340
DATE PREPARED:	September 2, 2004
PREPARED BY:	Karen Mullally
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.

Environmental Laboratories

SAMPLE INFORMATION

Matrix	☐ Aqueous ☐ Soil o Sediment ☒ Other-Air		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☐ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☒ Received in air tight container-Summa Canister	☐ Other
Temperature	☐ Received on ice ☐ Received at 4° C ☐ Other		

APH ANALYTICAL RESULTS	Client ID:	EGA-1
Method for Ranges: MADEP APH	Lab ID:	154340
APH Surrogate Standards	Date Collected:	08/27/04
PID (2,5-Dibromotoluene)	Date Received:	08/27/04
FID (2,5-Dibromotoluene)	Date Fractions Analyzed:	08/30/04
Method for Target Analytes: EPA-TO14A	Date Targets Analyzed:	08/30/04
	Ranges Dilution Factor:	1.0
	Targets Dilution Factor:	1.0

Range/Target Analyte	Elut. Range	RL (ppbv)	RL (ug/m3)	Units		
Unadjusted C_5-C_8 Aliphatic Hydroca	N/A		78.0	ug/m^3	ND	
Unadjusted C_9-C_{12} Aliphatic Hydroc	N/A		78.0	ug/m^3	ND	
Benzene	C5-C8 Aliph	0.386	1.23	ppbv/ug/m3	**0.860/2.74**	
1,3-Butadiene	N/A	2.18	5.00	ppbv/ug/m3	ND	
Ethylbenzene	C5-C8 Aliph	0.54	2.34	ppbv/ug/m3	**0.700/3.03**	
Methyl-tert-butyl ether	C5-C8 Aliph	1.39	5.00	ppbv/ug/m3	ND	
*2-Methylnaphthalene**	N/A	2.38	20.0	ppbv/ug/m3	ND	
*Naphthalene**	N/A	0.940	5.00	ppbv/ug/m3	ND	
Toluene	C5-C8 Aliph	0.95	3.58	ppbv/ug/m3	**2.74/10.3**	
m-,p-Xylenes	C5-C8 Aliph	0.38	1.65	ppbv/ug/m3	**2.36/10.2**	
o-Xylene	C9-C12 Aliph.	0.46	2.00	ppbv/ug/m3	**0.850/3.68**	
C_5-C_8 Aliphatic Hydrocarbons[1]	N/A		78.0	ug/m^3	ND	
C_9-C_{12} Aliphatic Hydrocarbons[2]	N/A		78.0	ug/m^3	ND	
C_9-C_{10} Aromatic Hydrocarbons	N/A		78.0	ug/m^3	ND	
2,5-Dibromotoluene (PID) Surrogate Recovery					129%	
2,5-Dibromotoluene (FID) Surrogate Recovery					128%	
Surrogate Acceptance Range					70-130%	

[1] C_5-C_8 Aliphatic Hydrocarbons exclude concentrations of Target Analytes eluting in that range

[2] C_9-C_{12} Aliphatic HCs exclude concentrations of Target Analytes AND C_9-C_{10} Aromatic Hydrocarbons eluting in that range

*Compounds quantitated by TICS

CERTIFICATION

Were all QA/QC procedures REQUIRED by the APH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the APH method?? ☐ No ☒ Yes - Details below

Aliphatic and Aromatic ranges quantitated by GC PID/FID.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 09/02/04

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

GeoLabs, Inc.
Environmental Laboratories
45 Johnson Lane
Braintree, MA 02184
Phone: 781-848-7844
Fax: 781-848-7811

Turnaround Time
RUSH: 24hrs ☐ 48hrs ☐ 72hrs ☐
*STANDARD: ✓ 5 Days
Rush
Approved By:

Page 1 of 1

SPECIAL INSTRUCTIONS

Client: DECONLOS + COMPANY
Address: 3 ELECTRONICS AVE
DANVERS, MA 01923
Phone: 617-489-7795
Fax:
Contact:
E-mail: JAMES JD@DECONLOS.COM

Project Number: 616
Project Location: 181 MAIN ST
CARVER, MA
Purchase Order #:
Collected By: JD

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	COLLECTION SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	APH								TEMPERATURE	LAB pH
EGA-1	8/27		JD		S	1	A		X		154340	X									

CONTAINER CODES:
A = Amber
B = Bag
G = Glass
P = Plastic
S = Summa Canister
O = Other V = VOA

MATRIX CODES:
GW = Ground Water
WW = Wastewater
DW = Drinking Water
SL = Sludge
S = Soil A = Air
O = Oil OT = Other

PRESERVATIVE CODES:
1 = HCl 7 = ICE
2 = HNO_3
3 = H_2SO_4
4 = $Na_2S_2O_3$
5 = NaOH
6 = MeOH

	Relinquished By:	Date/Time	Received By:	Date/Time
1		8/27/04		8/27/04
2		8/27/04		
3				8/27

GEOLABS CHAIN OF CUSTODY

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Decoulos & Company
Address: 3 Electronics Ave
Danvers, MA 01923
Attn: Mr. Jim Decoulos
Project Number: 616
Site: EAGLE GAS

Laboratory Job Number: L0409661
Date Received: 02-SEP-2004
Date Reported: 10-SEP-2004
Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0409661-01	DCW-7	131 MAIN, CARVER
L0409661-02	ERW-2	131 MAIN, CARVER
L0409661-03	BP-5RR	131 MAIN, CARVER

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James Todaro
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0409661

TPH-8100M

L0409661-01 through -03 and the associated Laboratory Duplicate have elevated limits of detection due to the 20x dilutions required by the elevated concentrations of target compounds in the sample. The Surrogate % Recoveries were not recovered due to the dilutions required to quantitate the samples.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0409661-01
DCW-7
Sample Matrix: OIL

Date Collected: 26-AUG-2004 13:30
Date Received : 02-SEP-2004
Date Reported : 10-SEP-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Hydrocarbon Scan by GC 8100M				1 8100M	0903 16:30	0906 20:21	MS
Mineral Spirits	ND	mg/kg	200000				
Gasoline	ND	mg/kg	200000				
Fuel Oil #2/Diesel	940000	mg/kg	200000				
Fuel Oil #4	ND	mg/kg	200000				
Fuel Oil #6	ND	mg/kg	200000				
Motor Oil	ND	mg/kg	200000				
Kerosene	ND	mg/kg	200000				
Transformer Oil	ND	mg/kg	200000				
Unknown Hydrocarbon	ND	mg/kg	200000				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	ND	%	40-140				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0409661-02
ERW-2
Sample Matrix: OIL

Date Collected: 26-AUG-2004 14:00
Date Received : 02-SEP-2004
Date Reported : 10-SEP-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Hydrocarbon Scan by GC 8100M				8100M	0903 16:30	0906 21:25	MS
Mineral Spirits	ND	mg/kg	200000				
Gasoline	ND	mg/kg	200000				
Fuel Oil #2/Diesel	870000	mg/kg	200000				
Fuel Oil #4	ND	mg/kg	200000				
Fuel Oil #6	ND	mg/kg	200000				
Motor Oil	ND	mg/kg	200000				
Kerosene	ND	mg/kg	200000				
Transformer Oil	ND	mg/kg	200000				
Unknown Hydrocarbon	ND	mg/kg	200000				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	ND	%	40-140				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0409661-03
BP-5RR
Sample Matrix: OIL

Date Collected: 26-AUG-2004 14:30
Date Received : 02-SEP-2004
Date Reported : 10-SEP-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Glass

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Hydrocarbon Scan by GC 8100M				1 8100M	0903 16:30	0906 22:29	MS
Mineral Spirits	ND	mg/kg	200000				
Gasoline	ND	mg/kg	200000				
Fuel Oil #2/Diesel	940000	mg/kg	200000				
Fuel Oil #4	ND	mg/kg	200000				
Fuel Oil #6	ND	mg/kg	200000				
Motor Oil	ND	mg/kg	200000				
Kerosene	ND	mg/kg	200000				
Transformer Oil	ND	mg/kg	200000				
Unknown Hydrocarbon	ND	mg/kg	200000				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	ND	%	40-140				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0409661

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Hydrocarbon Scan by GC 8100M for sample(s) 01-03 (L0409661-01, WG180056)					
Mineral Spirits	ND	ND	mg/kg	NC	40
Gasoline	ND	ND	mg/kg	NC	40
Fuel Oil #2/Diesel	940000	950000	mg/kg	1	40
Fuel Oil #4	ND	ND	mg/kg	NC	40
Fuel Oil #6	ND	ND	mg/kg	NC	40
Motor Oil	ND	ND	mg/kg	NC	40
Kerosene	ND	ND	mg/kg	NC	40
Transformer Oil	ND	ND	mg/kg	NC	40
Unknown Hydrocarbon	ND	ND	mg/kg	NC	40
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	ND	ND	%	NC	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0409661

Parameter	% Recovery	QC Criteria
Hydrocarbon Scan by GC 8100M LCS for sample(s) 01-03 (WG180056)		
Petroleum Spike	119	40-140
Surrogate(s)		
o-Terphenyl	101	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0409661

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG180056-1)							
Hydrocarbon Scan by GC 8100M				1 8100M	0903 16:30	0905 00:50	MS
Mineral Spirits	ND	mg/kg	10000				
Gasoline	ND	mg/kg	10000				
Fuel Oil #2/Diesel	ND	mg/kg	10000				
Fuel Oil #4	ND	mg/kg	10000				
Fuel Oil #6	ND	mg/kg	10000				
Motor Oil	ND	mg/kg	10000				
Kerosene	ND	mg/kg	10000				
Transformer Oil	ND	mg/kg	10000				
Unknown Hydrocarbon	ND	mg/kg	10000				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	103.	%	40-140				

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

Eight Walkup Drive, Westborough, MA 01581-1019
Tel: 508-898-9220 or 800-624-9220 x179
Fax: 508-898-9193 Visit us at: www.alphalab.com
Michelle M. (Wilta) Morris, Client Services
*Direct Phone Line: **508-439-5179***
Email: **mwilta@alphalab.com**

Fax

To: Jim Decoulos **From:** **Michelle M. (Wilta) Morris**

Company: Decoulos&Company **Pages:** 4

Fax: 877-842-9629 **Date:** 9/17/04

Re: Chromatograms L04096611 **CC:**

- **Comments:**

Data File: \\Orgserv1\ee\chem\CCEXT\Petro6a.i\040906a.b\004F0101.D

Date : 06-SEP-2004 20:21

Client ID:

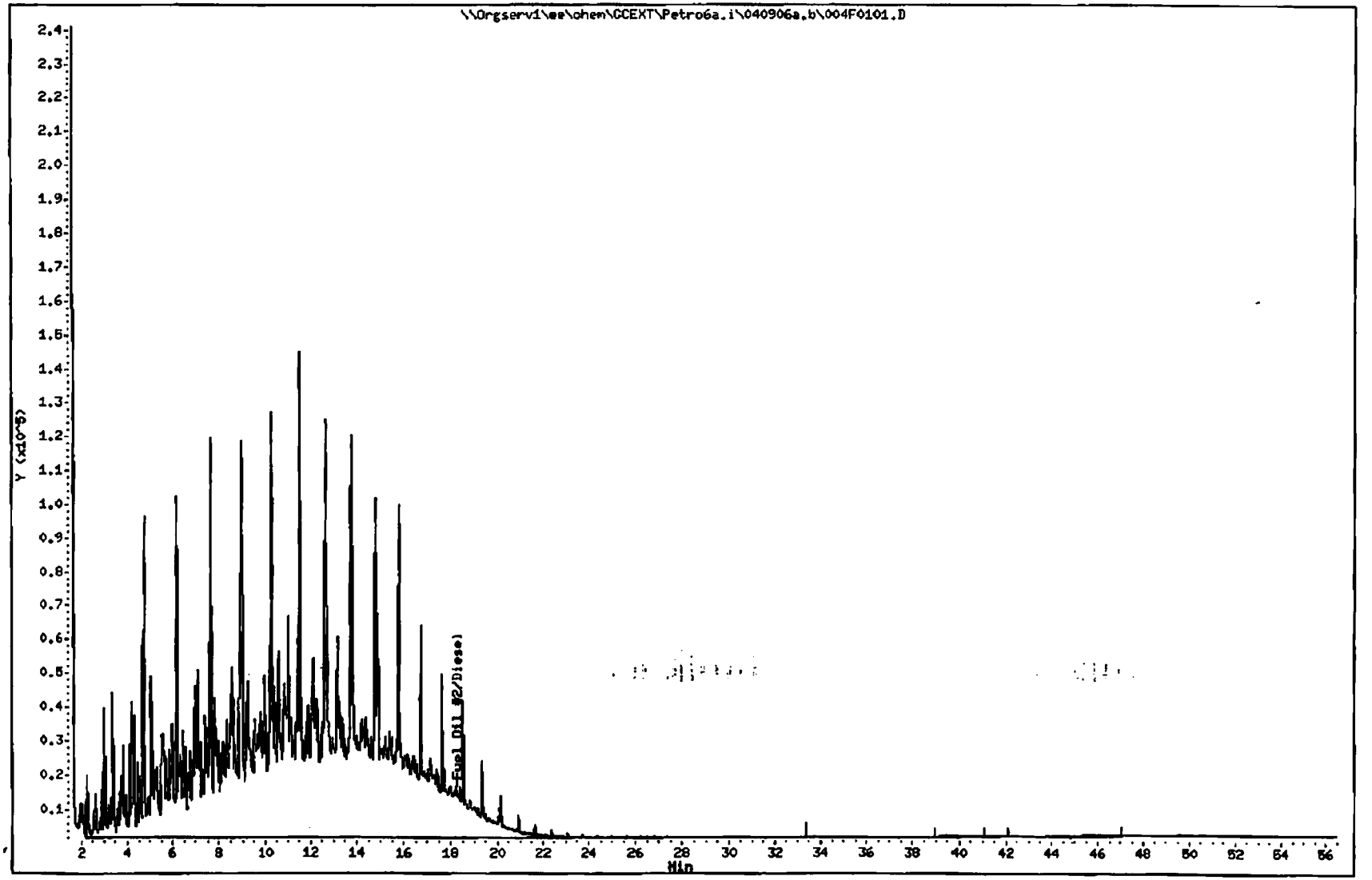
Instrument: Petro6a.i

Sample Info: 10409661-01, 8100-s, x20 rr

Operator: msh

Column phase:

Column diameter: 0.53



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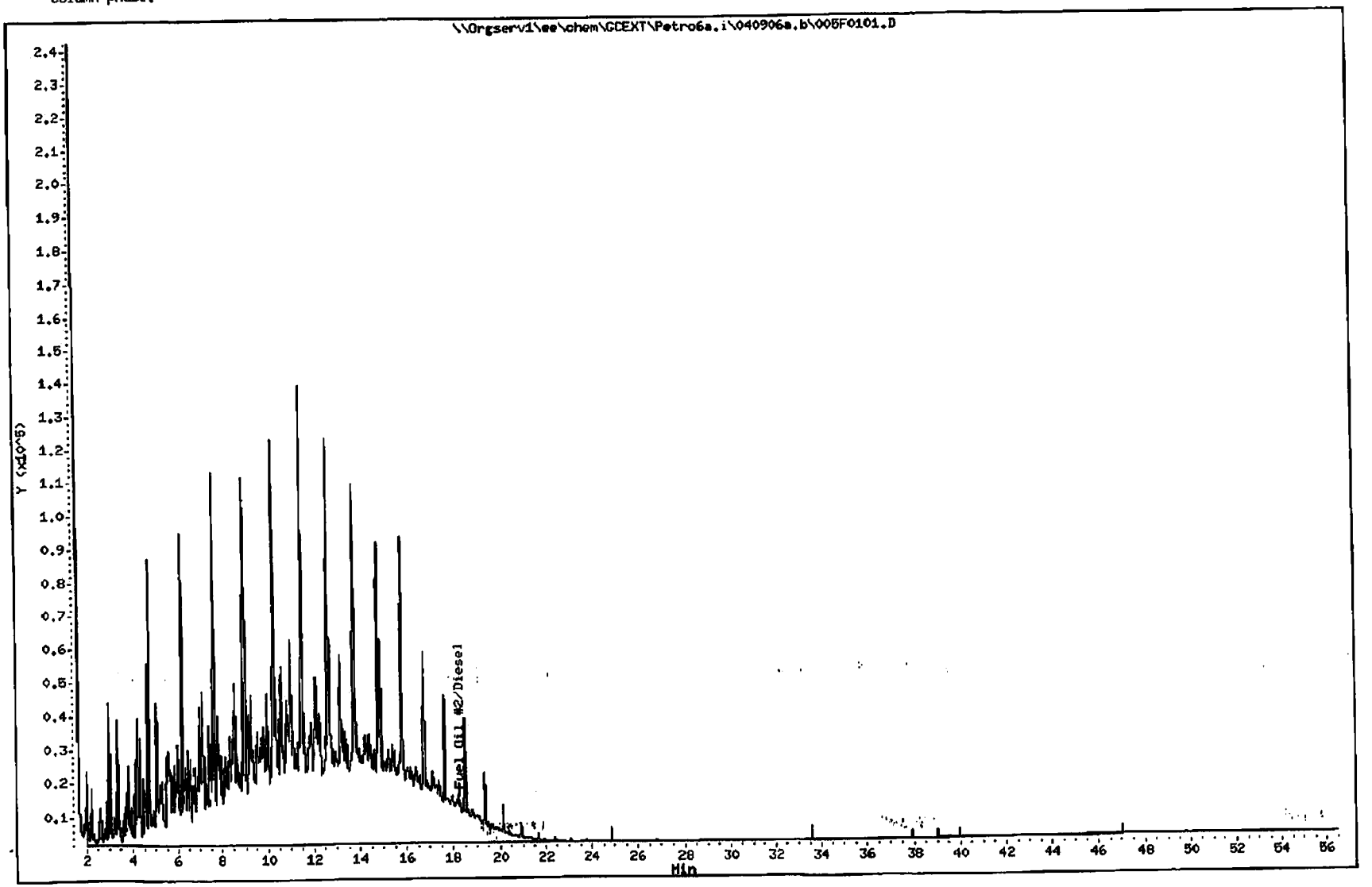
Date : 06-SEP-2004 21:25
Client ID:
Sample Info: 10409661-02, 8100-s, x20 rr

Instrument: Petro6a.i
Operator: msh
Column diameter: 0.53

Column phase:



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Date : 06-SEP-2004 22:29

Client ID:

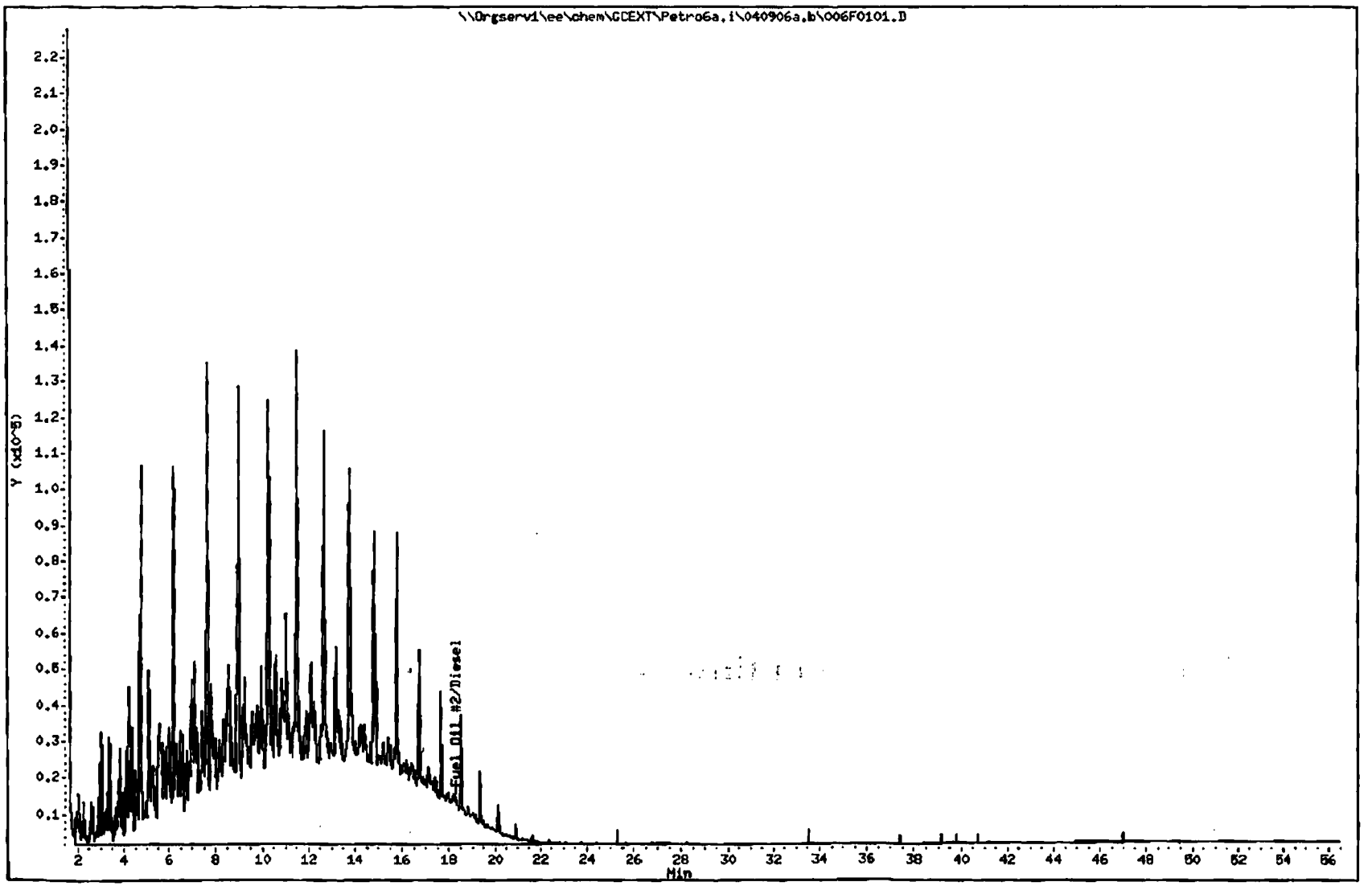
Instrument: Petro6a.i

Sample Info: 10409661-03, 8100-s, x20 rr

Operator: msh

Column phase:

Column diameter: 0.53



APPENDIX B
NAPL WITHDRAWAL FORMS

NAPL WITHDRAWAL FORM
EAGLE GAS, INC.
131 MAIN STREET, CARVER, MA
DEP RTN 4-17582

DATE	TIME	THICKNESS OF DIESEL NAPL ERW-2 (IN)	EST. VOLUME OF DIESEL NAPL WITHDRAWN ERW-2 (GAL)	THICKNESS OF DIESEL NAPL ERW-4 (IN)	EST. VOLUME OF DIESEL NAPL WITHDRAWN ERW-4 (GAL)
10/7	9PM	40	4*	22	3*
10/13	9PM	38	4*		
10/14	10.30AM	4	0.5		
10/14	6.30PM	1 1/2			
10/18	9PM	3	0.5	15	3*
10/19	9PM	2	0.5	4	1*
10/20	9PM	2	0.5	1	0
10/22	1PM	1	0.1	0.5	0.05
10/25	9PM	2	0.1	1	0.1
10/27	9PM	2	0.5	0.5	0.05

I hereby certify that the following measurements and withdrawals occurred from the above referenced monitoring wells and that the diesel fuel withdrawn from the wells was completely emptied into the dedicated 55 gallon drum located on the southerly side of the building at 131 Main Street in Carver, MA.

[signature]
Najib Badaoui, President
Eagle Gas, Inc.

11/1/04
Date

* MIX WITH WATER

[signature]

NAPL WITHDRAWAL FORM
EAGLE GAS, INC.
131 MAIN STREET, CARVER, MA
DEP RTN 4-17582

DATE	TIME	THICKNESS OF DIESEL NAPL ERW-1 (IN)	EST. VOLUME OF DIESEL NAPL WITHDRAWN ERW-1 ~~(GAL)~~ N. Grier	EST. VOLUME OF DIESEL NAPL FROM CANNISTER ERW-2 ~~(GAL)~~ N. Grier	THICKNESS OF DIESEL NAPL ERW-4 (IN)	EST. VOLUME OF DIESEL NAPL WITHDRAWN ERW-4 ~~(GAL)~~ N. Grier
10/28/2004	4:00 PM	4	0.20	1.5		
10/28	10PM			1.8 L		
10/29	10AM			.4 L		
10/29	9PM			.5 L		
10/30	1PM			.5 L		
10/31	9PM			0		
11/1	4PM	5	0.5	1.0 L		
			TOTAL	4.2		

I hereby certify that the following measurements and withdrawals occurred from the above referenced monitoring wells and that the diesel fuel withdrawn from the wells was completely emptied into the dedicated 55 gallon drum located on the southerly side of the building at 131 Main Street in Carver, MA.

Najib Badaoui, President
Eagle Gas, Inc.

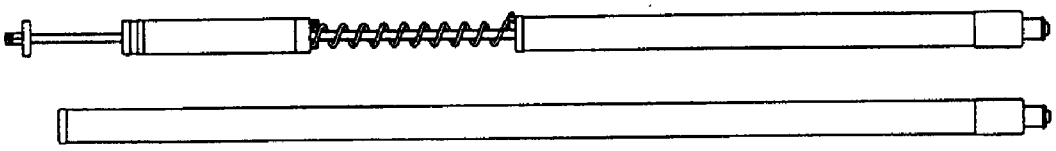
11/1/04
Date

APPENDIX C
KECK PRC SKIMMER SPECIFICATIONS AND SCHEMATICS

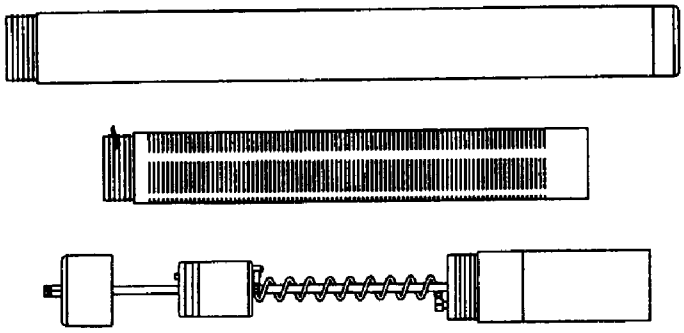
geotech

Product Recovery Canister

Installation and Operation Manual



PRC 2



PRC 4

Rev. 4 3/3/03 Part # 26650319

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System Components

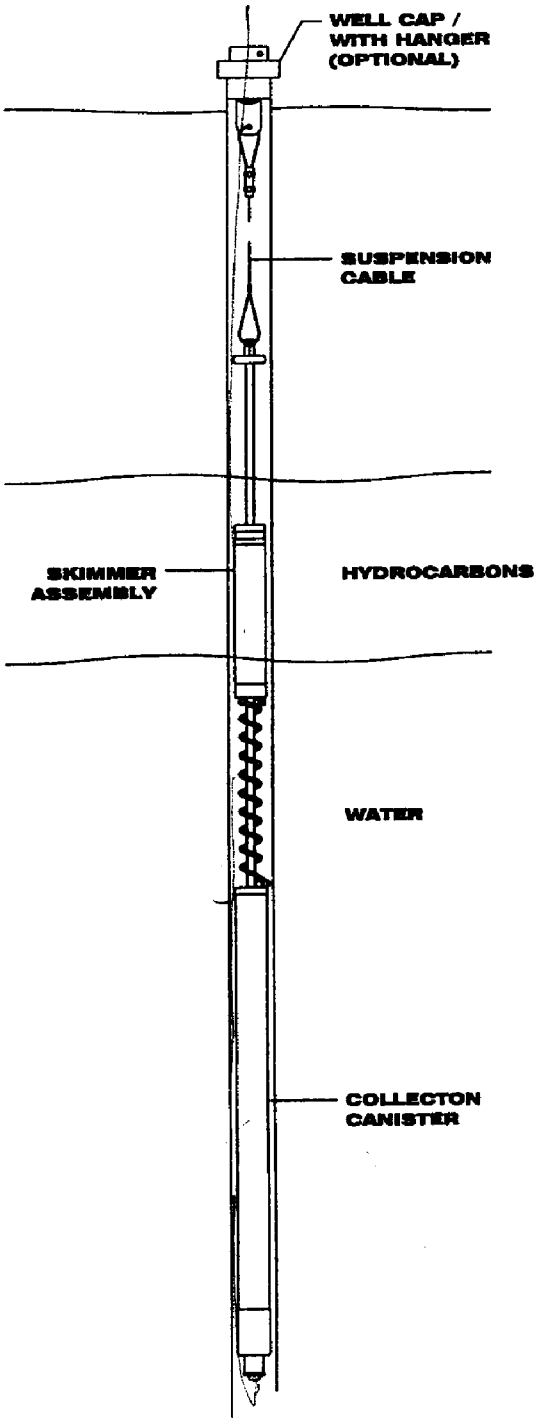
The Keck Canister consists of two (2) major components; a product skimmer assembly and a collection canister (see page 5 figures 1-3). On the 4" model, the skimmer assembly is protected by a slotted screen which pre-filters the incoming product and protects the intake assembly from damage. The skimmer assembly collects free product and passes it through a coiled hose to the collection canister. Recovered product is evacuated by removing the Keck Canister from the well and opening the drain on the bottom of the device. Increased capacity collection canisters are available and easily installed by simply unscrewing the collection canister section and replacing it with a larger collection canister and weight assembly. When going from smaller to larger collection canisters, consideration must be made for weight. Going from larger to smaller is not a problem.

Chapter 1: System Description

Function and Theory

The Keck Canister is a passive, skimmer device designed to recover light floating hydrocarbons (such as gasoline and diesel fuel) from the ground water in wells that are 2 inches and larger. Featuring a floating oleophilic/hydrophobic intake assembly, the Keck Canister will automatically collect and skim floating product down to a sheen. The skimmer assembly features over 12 inches of intake travel to accommodate water level fluctuations. The unit is suspended in the well at the desired recovery depth by the 25 feet of supplied stainless steel suspension cable.

Chapter 6: System Schematic



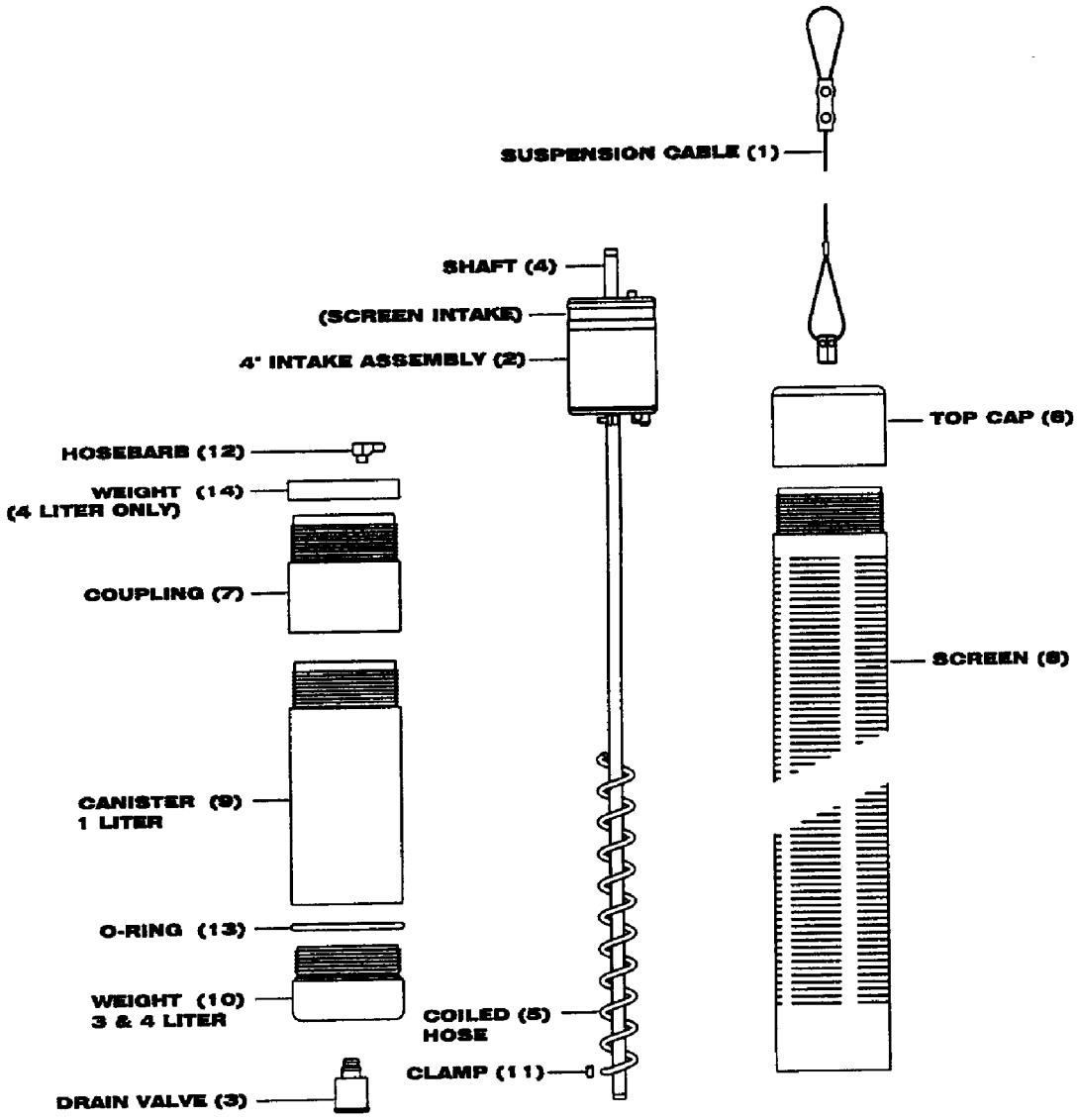


Figure 6 – Standard 4" PRC Skimmer Assembly (3&4 Liter) Parts List