B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

MAG910205

1. General site information. Please provide the following information about the site:

a) Name of **facility/site**: Former Winton's Food & Fuel Site - MADEP		**Facility/site** address:		
Location of **facility/site**: longitude: 73.31 latitude: 42.15	Facility SIC code(s):	Street: 1239 Park Street		
b) Name of **facility/site owner:** See Section 7, Note 1		Town: Palmer		
Email address of owner: MADEP Email: michael.scherer@state.ma.us		State: MA	Zip: 01069	County: Hampden
Telephone no.of facility/site **owner**:				
Fax no. of facility/site **owner**:		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private_____ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street:				
Town:	State:	Zip:	County:	
c) Legal name of **operator**: Clean Harbors Environmental Services, Inc.	**Operator** telephone no: (781) 849-1800			
	Operator fax no.: (781) 794-1760	**Operator** email: allenh@cleanharbors.com		
Operator contact name and title: Howard Allen, Senior Remediation Engineer				

FEB - 3 2006

Address of **operator** (if different from owner):	Street: 1501 Washington Street		
Town: Braintree	State: MA	Zip: 02184	County: Norfolk

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes ✔ No___, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No___, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes___ No ✔
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ✔ No__

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No ✔ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number:	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N ✔, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✔, if Y, number: 3. individual NPDES permit? Y___ N ✔, if Y, number: 4. any other water quality related permit? Y___ N ✔, if Y, number:

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

The site consists of Winton's Food & Fuel gas station where a plume migrates approximately one mile southwest to the Galaxy Wellfield. Surface water discharges consist of a two-well groundwater depression system located in the downgradient wellfield.

b) Provide the following information about each discharge:	1) Number of discharge points: 2	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)? Max. flow 0.53 Average flow 240 Is maximum flow a **design value**? Y___ N ✔ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. gallons per minute

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 72.32 lat. 42.15 ; pt.2: long._____ lat._____; pt.3: long._____ lat._____; pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

FEB - 3 2006

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent_____or seasonal_____? Is discharge ongoing Yes _✓_ No_____?
c) Expected dates of discharge (mm/dd/yy): start_____ end_____	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only ✔	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites ✔	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids	✔		2	grab	160.2	4 ppm	34000			
2. Total Residual Chlorine	✔		2	grab	4500	0.05ppm	<50			
3. Total Petroleum Hydrocarbons	✔		2	grab	1664	5 ppm	<5000			
4. Cyanide	✔		2	grab	335.2	20 ppb	< 20			
5. Benzene	✔		2	grab	8260	5 ppb	<5			
6. Toluene	✔		2	grab	8260	5 ppb	<5			
7. Ethylbenzene	✔		2	grab	8260	5 ppb	<5			
8. (m,p,o) Xylenes	✔		2	grab	8260	5 ppb	<5			
9. Total BTEX[4]	✔		2	grab	8260	5 ppb	<5			

[4] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)		✔	2	grab	8260	5 ppb	74.5			
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)										
14. Naphthalene	✔		2	grab	8260	20 ppb	<20			
15. Carbon Tetra-chloride	✔		2	grab	8260	5 ppb	<5			
16. 1,4 Dichlorobenzene	✔		2	grab	8260	5 ppb	<5			
17. 1,2 Dichlorobenzene	✔		2	grab	8260	5 ppb	<5			
18. 1,3 Dichlorobenzene	✔		2	grab	8260	5 ppb	<5			
19. 1,1 Dichloroethane	✔		2	grab	8260	5 ppb	<5			
20. 1,2 Dichloroethane	✔		2	grab	8260	5 ppb	<5			
21. 1,1 Dichloroethylene										
22. cis-1,2 Dichloro-ethylene		✔	2	grab	8260	5 ppb	10.7			
23. Dichloromethane (Methylene Chloride)	✔		2	grab	8260	10 ppb	<10			
24. Tetrachloroethylene	✔		2	grab	8260	5 ppb	<5			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✔		2	grab	8260	5 ppb	<5			
26. 1,1,2 Trichloroethane	✔		2	grab	8260	5 ppb	<5			
27. Trichloroethylene	✔		2	grab	8260	5 ppb	<5			
28. Vinyl Chloride	✔		2	grab	8260	2 ppb	<2			
29. Acetone	✔		2	grab	8260	50 ppb	<50			
30. 1,4 Dioxane										
31. Total Phenols	✔									
32. Pentachlorophenol	✔		2	grab	8270	1 ppb	<1			
33. Total Phthalates [5] (Phthalate esthers)	✔									
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✔		2	grab	8270	2 ppb	<2			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✔									
a. Benzo(a) Anthracene	✔		2	grab	8270	0.5 ppb	<0.5			
b. Benzo(a) Pyrene	✔		2	grab	8270	0.2 ppb	<0.2			
c. Benzo(b)Fluoranthene	✔		2	grab	8270	0.5 ppb	<0.5			
d. Benzo(k) Fluoranthene	✔		2	grab	8270	1 ppb	<1			
e. Chrysene	✔		2	grab	8270	0.5 ppb	<0.5			

[5] The sum of individual phthalate compounds.

7. Supplemental information. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

Note 1. Site is a state funded cleanup site with oversight from the Massachusetts Department of Environmental Protection. Current site owner has no involvement in the operation of the treatment system.

Note 2. RW-7 began operation in June 1995. RW-8 began operation in 1999. It is anticipated that the discharge will terminate in November 2006.

Note 3. Analytical data from monthly compliance sampling is included for June 2006 through January 2006. Note that multiple samples were collected in October 2005 due to the flooding and the high MBTE concentrations.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

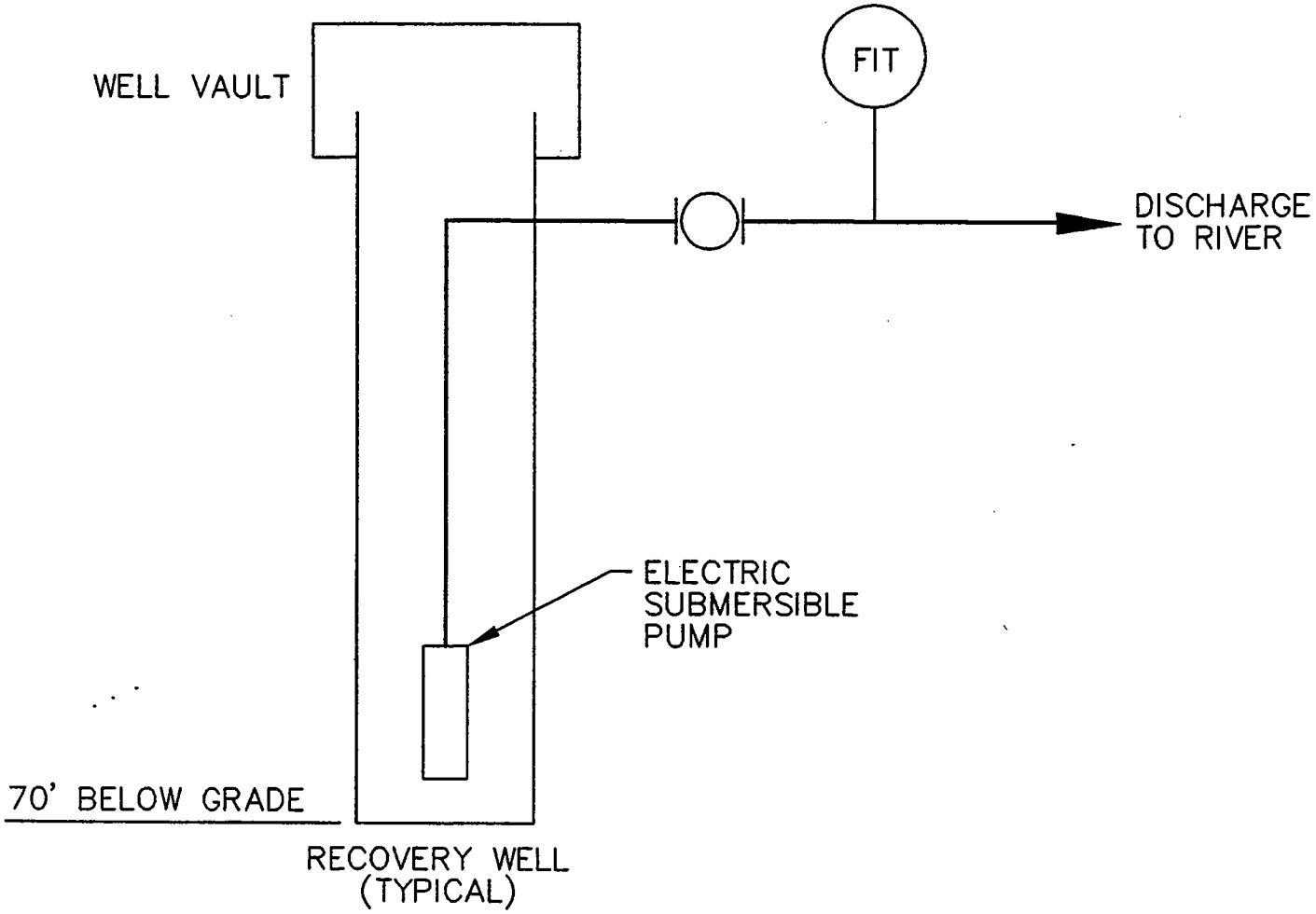
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: Former Winton's Food & Fuel Site - MADEP

Operator signature:

Title: Senior Remediation Engineer

Date: 01/31/06



LEGEND

BALL VALVE

FIT — FLOW INDICATING TOTALIZER

FIGURE 1

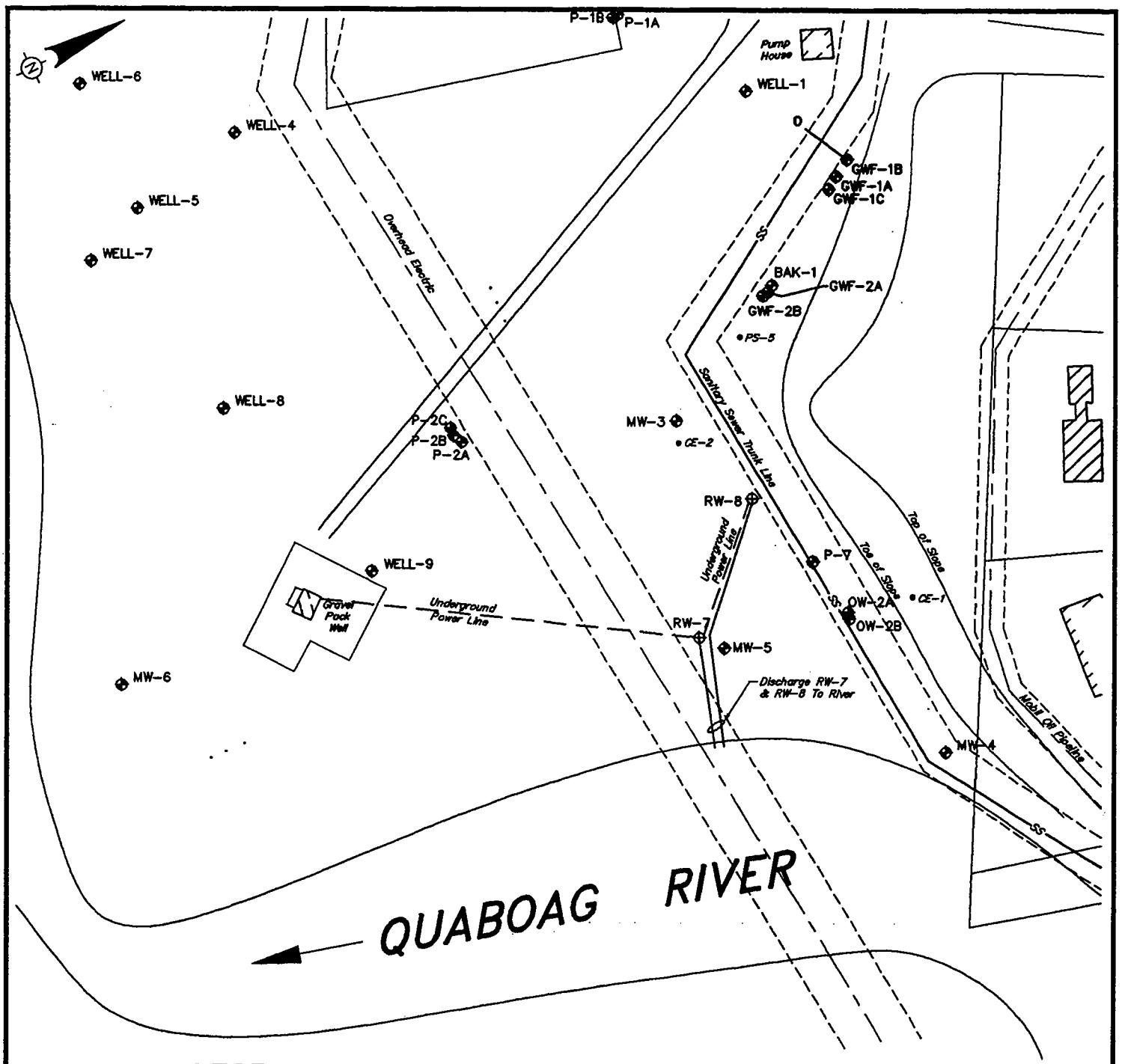
ISSUE	DESCRIPTION	DRWN.	CHKD.	APPR.	DATE
A	PRELIMINARY	KMC	HWA	HWA	1/21/06

CleanHarbors
ENVIRONMENTAL SERVICES
REMEDIATION AND ENVIRONMENTAL CONSTRUCTION
1501 Washington Street
Braintree, Massachusetts 02185
Telephone (781) 849-1800

WINTONS FOOD & FUEL SITE
PALMER, MASSACHUSETTS

PROCESS FLOW DIAGRAM

PROJECT NO. EN932093
SCALE NONE
DWG. NO. 0549-F-01



LEGEND

ECS-5 ◆	EXISTING MONITORING WELL
RW-7 ⊕	EXISTING RECOVERY WELL
D-1 ◆	MONITORING WELL
—— SS ——	SANITARY SEWER SERVICE LINE

FIGURE 2

ISSUE	DESCRIPTION	DRWN.	CHKD.	APPR.	DATE
A	PRELIMINARY	KMC	HWT	HWT	1/31/06

CleanHarbors
ENVIRONMENTAL SERVICES
REMEDIATION AND ENVIRONMENTAL CONSTRUCTION
1501 Washington Street
Braintree, Massachusetts 02185
Telephone (781) 849-1800

WINTONS FOOD & FUEL SITE
PALMER, MASSACHUSETTS

SITE PLAN

PROJECT NO. EN932093
SCALE 1" = 100'
DWG. NO. 0549-C-03

Thursday, January 05, 2006

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Howard Allen
Clean Harbors
1501 Washington St.
Braintree, MA 02184

TEL: (781) 849-1800
FAX: (781) 794-1760

Project: EN932093
Location: Palmer

Order No.: 0512340

Dear Howard Allen:

GeoLabs, Inc. received 1 sample(s) on 12/23/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Jim Chen
Laboratory Director

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512340

VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B			Analyst: MR
Naphthalene	ND	20.0	µg/L	1	12/27/2005 11:06:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
p-Isopropyltoluene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Styrene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Toluene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
trans-1,3-Dichloropropene	ND	0.950	µg/L	1	12/27/2005 11:06:00 PM
Trichloroethene	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Trichlorofluoromethane	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Vinyl chloride	ND	2.00	µg/L	1	12/27/2005 11:06:00 PM
Xylenes, Total	ND	5.00	µg/L	1	12/27/2005 11:06:00 PM
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	1	12/27/2005 11:06:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%REC	1	12/27/2005 11:06:00 PM
Surr: Dibromofluoromethane	98.7	70-130	%REC	1	12/27/2005 11:06:00 PM
Surr: Toluene-d8	101	70-130	%REC	1	12/27/2005 11:06:00 PM

CYANIDE, TOTAL		E335.2			Analyst: RP
Cyanide, Total	ND	0.020	mg/L	1	12/30/2005

TOTAL RESIDUAL CHLORINE		SM 4500-Cl-G			Analyst: RP
Total Residual Chlorine	ND	0.0500 H	mg/L	1	12/28/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

CHAIN OF CUSTODY

GeoLabs CHAIN NUMBER: 0512340

CHECKED ITEMS MUST BE FILLED IN — 24/48 HOUR RUSHES ONLY WITH APPROVAL OF D. KAHLER OR LAB DIRECTOR

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

Turnaround Time
RUSH: 24-48hrs | STANDARD
72hrs | 5 Days

Page 1 of 2

SPECIAL INSTRUCTIONS

resample Cr6, sample rec'd frozen DR 12/23

Note: JOBS WITH INCOMPLETELY FILLED OUT CHAINS WILL NOT BE RUN. CHAIN WILL BE RETURNED TO CLIENT FOR COMPLETION

TYPE OF CLIENT: BUS X LAB ____ HOMEOWNER ____ | NOTE: HOMEOWNERS, LAW FIRMS MUST PAY WHEN DROPPING OFF SAMPLES

Client: X CLEAN HARBORS
Address: X NO P.O. BOXES
1501 WASHINGTON ST BRAINTREE
Phone: X 781-849-1800
Fax: 781-794-1760
Contact: X H. ALLEN
E-mail: ALLENH@CLEANHARBORS.COM

Project Number: X EN 932093
Project Location: X PALMER
Purchase Order #: EN 932093
Collected By: X DOUG MURPH

CHANGES REQUESTED? Y N
BY DATE
Received on ice?

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	COLLECTION SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	TSS 160.2	TRC 330.5	TPH 1664	TOTAL CN 335.4	VOC 8260C	SVOC 8270D	PCB 608	METALS 6010B	TEMPERATURE	LAB pH
RW-7	12-22	1630	DM		P	1	GW		X	7	12340-001	X									
					P	1				7			X								
					A	2				3/7				X							
					P	1				5/7					X						
					V	2				1/7						X					
					A	2				4/7							X				
					A	2				4/7								X			
					P	1				2/7									X		

Verbal results given to by (date/initial)

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

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

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

Terms: Payment due within 30 days unless other arrangements are made.
Past due balances subject to interest and collection costs.

Relinquished By: Date/Time 12-23 1035
PRINT: Douglas Murphy
Relinquished By:
Relinquished By:

Received By: Date/Time:
Received By:
Received By GeoLabs: 12/23/05 10:35a

CHAIN OF CUSTODY

GeoLabs CHAIN NUMBER: 0512340

[redacted]

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

[redacted]

Page 2 of 2

SPECIAL INSTRUCTIONS

resample cr6

Note: JOBS WITH INCOMPLETELY FILLED OUT CHAINS WILL NOT BE RUN. CHAIN WILL BE RETURNED TO CLIENT FOR COMPLETION

TYPE OF CLIENT: BUS X LAB ____ HOMEOWNER ____ | **NOTE: HOMEOWNERS, LAW FIRMS MUST PAY WHEN DROPPING OFF SAMPLES**

Client: X CLEAN HARBORS
Address: X NO P.O. BOXES
1501 WASHINGTON ST BRAINTREE MA
Phone: X 781-849-1800
Fax: 781 794-1766
Contact: X H. ALLEN
E-mail:

Project Number: X EN 932093
Project Location: X PALMER
Purchase Order #: EN 932093
Collected By: X Doug Murphy

CHANGES REQUESTED? Y N
BY DATE

Received on ice?

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	COLLECTION SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	CR-6								TEMPERATURE	LAB pH
RW-7	12-22	1630	DM		P	1	GW		X	7	12340-001	X									

Verbal results given to by (date/initial)

MATRIX CODES:	CONTAINER CODES:	PRESERVATIVE CODES:	Relinquished By: Date/Time	Received By: Date/Time:
GW = Ground Water	A = Amber B = Bag	1 = HCl 5 = NaOH	12-23 2035	
WW = Wastewater	G = Glass P = Plastic	2 = HNO_3 6 = MeOH	PRINT: Douglas Murphy	
DW = Drinking Water	S = Summa Canister	3 = H_2SO_4 7 = ICE	Relinquished By:	Received By:
SL = Sludge	O = Other V = VOA	4 = $Na_2S_2O_3$		
S = Soil A = Air	Terms: Payment due within 30 days unless other arrangements are made.		Relinquished By:	Received By GeoLabs: 12/23/05
O = Oil OT = Other	Past due balances subject to interest and collection costs.			1035a

Thursday, January 05, 2006

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

Howard Allen
Clean Harbors
1501 Washington St.
Braintree, MA 02184

TEL: (781) 849-1800
FAX: (781) 794-1760

Project: EN932093
Location: Palmer

Order No.: 0512338

Dear Howard Allen:

GeoLabs, Inc. received 1 sample(s) on 12/23/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Jim Chen
Laboratory Director

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512338

Lab ID: 0512338-001
Client Sample ID: RW-8

Collection Date: 12/22/2005 5:00:00 PM
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
NON-POLAR		**E1664**				Analyst: **AMS**
Total Petroleum Hydrocarbons	ND	5.00		mg/L	1	1/3/2006
TOTAL SUSPENDED SOLIDS		**E160.2**				Analyst: **BS**
Total Suspended Solids	ND	4.00		mg/L	1	12/27/2005
PCBS		**E608**		**(SW3510B)**		Analyst: **GP**
Aroclor 1016/1242	ND	0.306		µg/L	1	12/27/2005
Aroclor 1221	ND	0.306		µg/L	1	12/27/2005
Aroclor 1232	ND	0.306		µg/L	1	12/27/2005
Aroclor 1248	ND	0.306		µg/L	1	12/27/2005
Aroclor 1254	ND	0.306		µg/L	1	12/27/2005
Aroclor 1260	ND	0.306		µg/L	1	12/27/2005
Surr: Decachlorobiphenyl Signal 1	100	30-150		%REC	1	12/27/2005
Surr: Decachlorobiphenyl Signal 2	108	30-150		%REC	1	12/27/2005
Surr: Tetrachloro-m-xylene Signal	104	30-150		%REC	1	12/27/2005
Surr: Tetrachloro-m-xylene Signal	112	30-150		%REC	1	12/27/2005
ICP METALS		**E200.7**		**(SW3010A)**		Analyst: **RP**
Antimony	ND	0.0300		mg/L	1	12/28/2005
Arsenic	ND	0.0500		mg/L	1	12/28/2005
Cadmium	ND	0.00500		mg/L	1	12/28/2005
Chromium	ND	0.0600		mg/L	1	12/28/2005
Copper	ND	0.00800		mg/L	1	12/28/2005
Iron	ND	0.0600		mg/L	1	12/28/2005
Lead	ND	0.0150		mg/L	1	12/28/2005
Nickel	ND	0.0100		mg/L	1	12/28/2005
Selenium	ND	0.0500		mg/L	1	12/28/2005
Zinc	ND	0.100		mg/L	1	12/28/2005
SILVER		**200.7**		**(SW3010A)**		Analyst: **EN**
Silver	ND	0.00700		mg/L	1	12/29/2005
TOTAL MERCURY		**E245.1**		**(SW7470A/E245.1)**		Analyst: **EN**
Mercury	ND	0.0010		mg/L	1	12/27/2005
SEMIVOLATILE ORGANICS		**SW8270C**				Analyst: **ZYZ**

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512338

SEMIVOLATILE ORGANICS **SW8270C** Analyst: **ZYZ**

1,2,4-Trichlorobenzene	ND	0.750	µg/L	1	12/27/2005
1,2-Dichlorobenzene	ND	1.00	µg/L	1	12/27/2005
1,2-Dinitrobenzene	ND	5.00	µg/L	1	12/27/2005
1,3-Dichlorobenzene	ND	1.00	µg/L	1	12/27/2005
1,3-Dinitrobenzene	ND	0.750	µg/L	1	12/27/2005
1,4-Dichlorobenzene	ND	1.00	µg/L	1	12/27/2005
1,4-Dinitrobenzene	ND	5.00	µg/L	1	12/27/2005
2,3,4,6-Tetrachlorophenol	ND	1.00	µg/L	1	12/27/2005
2,4,5-Trichlorophenol	ND	0.750	µg/L	1	12/27/2005
2,4,6-Trichlorophenol	ND	0.500	µg/L	1	12/27/2005
2,4-Dichlorophenol	ND	0.500	µg/L	1	12/27/2005
2,4-Dimethylphenol	ND	3.75	µg/L	1	12/27/2005
2,4-Dinitrophenol	ND	0.250	µg/L	1	12/27/2005
2,4-Dinitrotoluene	ND	0.500	µg/L	1	12/27/2005
2,6-Dinitrotoluene	ND	0.250	µg/L	1	12/27/2005
2-Chloronaphthalene	ND	0.500	µg/L	1	12/27/2005
2-Chlorophenol	ND	0.500	µg/L	1	12/27/2005
2-Methylnaphthalene	ND	0.750	µg/L	1	12/27/2005
2-Methylphenol	ND	1.00	µg/L	1	12/27/2005
2-Nitroaniline	ND	0.750	µg/L	1	12/27/2005
2-Nitrophenol	ND	0.500	µg/L	1	12/27/2005
3,3'-Dichlorobenzidine	ND	2.50	µg/L	1	12/27/2005
3-Methylphenol/4-methylphenol	ND	1.50	µg/L	1	12/27/2005
3-Nitroaniline	ND	1.50	µg/L	1	12/27/2005
4,6-Dinitro-2-methylphenol	ND	1.00	µg/L	1	12/27/2005
4-Bromophenyl phenyl ether	ND	0.750	µg/L	1	12/27/2005
4-Chloro-3-methylphenol	ND	0.500	µg/L	1	12/27/2005
4-Chloroaniline	ND	2.50	µg/L	1	12/27/2005
4-Chlorophenyl phenyl ether	ND	0.500	µg/L	1	12/27/2005
4-Nitroaniline	ND	1.00	µg/L	1	12/27/2005
4-Nitrophenol	ND	0.500	µg/L	1	12/27/2005
Acenaphthene	ND	0.500	µg/L	1	12/27/2005
Acenaphthylene	ND	0.250	µg/L	1	12/27/2005
Acetophenone	ND	0.750	µg/L	1	12/27/2005
Aniline	ND	2.25	µg/L	1	12/27/2005
Anthracene	ND	0.500	µg/L	1	12/27/2005
Azobenzene	ND	5.00	µg/L	1	12/27/2005
Benz(a)anthracene	ND	0.500	µg/L	1	12/27/2005
Benzo(a)pyrene	ND	0.200	µg/L	1	12/27/2005
Benzo(b)fluoranthene	ND	0.500	µg/L	1	12/27/2005
Benzo(g,h,i)perylene	ND	1.00	µg/L	1	12/27/2005
Benzo(k)fluoranthene	ND	1.00	µg/L	1	12/27/2005
Benzyl alcohol	ND	1.00	µg/L	1	12/27/2005
Bis(2-chloroethoxy)methane	ND	0.500	µg/L	1	12/27/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512338

SEMIVOLATILE ORGANICS		SW8270C			Analyst: ZYZ
Bis(2-chloroethyl)ether	ND	0.500	µg/L	1	12/27/2005
Bis(2-chloroisopropyl)ether	ND	0.750	µg/L	1	12/27/2005
Bis(2-ethylhexyl)phthalate	ND	2.00	µg/L	1	12/27/2005
Butyl benzyl phthalate	ND	1.25	µg/L	1	12/27/2005
Carbazole	ND	0.750	µg/L	1	12/27/2005
Chrysene	ND	0.500	µg/L	1	12/27/2005
Dibenz(a,h)anthracene	ND	0.500	µg/L	1	12/27/2005
Dibenzofuran	ND	0.500	µg/L	1	12/27/2005
Diethyl phthalate	ND	1.25	µg/L	1	12/27/2005
Dimethyl phthalate	ND	1.75	µg/L	1	12/27/2005
Di-n-butyl phthalate	ND	0.750	µg/L	1	12/27/2005
Di-n-octyl phthalate	ND	2.00	µg/L	1	12/27/2005
Fluoranthene	ND	0.500	µg/L	1	12/27/2005
Fluorene	ND	0.500	µg/L	1	12/27/2005
Hexachlorobenzene	ND	1.00	µg/L	1	12/27/2005
Hexachlorobutadiene	ND	0.500	µg/L	1	12/27/2005
Hexachlorocyclopentadiene	ND	10.0	µg/L	1	12/27/2005
Hexachloroethane	ND	2.00	µg/L	1	12/27/2005
Indeno(1,2,3-cd)pyrene	ND	0.500	µg/L	1	12/27/2005
Isophorone	ND	0.500	µg/L	1	12/27/2005
Naphthalene	ND	0.750	µg/L	1	12/27/2005
Nitrobenzene	ND	0.750	µg/L	1	12/27/2005
N-Nitrosodimethylamine	ND	1.00	µg/L	1	12/27/2005
N-Nitrosodi-n-propylamine	ND	1.00	µg/L	1	12/27/2005
N-Nitrosodiphenylamine	ND	5.00	µg/L	1	12/27/2005
Pentachlorophenol	ND	1.00	µg/L	1	12/27/2005
Phenanthrene	ND	0.500	µg/L	1	12/27/2005
Phenol	ND	0.250	µg/L	1	12/27/2005
Pyrene	ND	1.25	µg/L	1	12/27/2005
Pyridine	ND	1.25	µg/L	1	12/27/2005
Surr: 2,4,6-Tribromophenol	51.3	15-150	%REC	1	12/27/2005
Surr: 2-Fluorobiphenyl	41.9	30-130	%REC	1	12/27/2005
Surr: 2-Fluorophenol	30.3	15-110	%REC	1	12/27/2005
Surr: Nitrobenzene-d5	40.5	30-130	%REC	1	12/27/2005
Surr: Phenol-d6	20.3	15-110	%REC	1	12/27/2005
Surr: Terphenyl-d14	67.2	30-130	%REC	1	12/27/2005

VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B			Analyst: MR
1,1,1,2-Tetrachloroethane	ND	2.00	µg/L	1	12/28/2005 8:06:00 PM
1,1,1-Trichloroethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,1,2,2-Tetrachloroethane	ND	0.610	µg/L	1	12/28/2005 8:06:00 PM
1,1,2-Trichloroethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,1-Dichloroethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,1-Dichloroethene	ND	0.960	µg/L	1	12/28/2005 8:06:00 PM

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512338

VOLATILE ORGANIC COMPOUNDS BY GC/MS **SW8260B** Analyst: **MR**

1,1-Dichloropropene	ND	0.400	µg/L	1	12/28/2005 8:06:00 PM
1,2,3-Trichlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2,3-Trichloropropane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2,4-Trichlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2,4-Trimethylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2-Dibromo-3-chloropropane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2-Dibromoethane	ND	1.00	µg/L	1	12/28/2005 8:06:00 PM
1,2-Dichlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2-Dichloroethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,2-Dichloropropane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,3,5-Trimethylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,3-Dichlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,3-Dichloropropane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
1,4-Dichlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
2,2-Dichloropropane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
2-Butanone	ND	10.0	µg/L	1	12/28/2005 8:06:00 PM
2-Chloroethyl vinyl ether	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
2-Hexanone	ND	10.0	µg/L	1	12/28/2005 8:06:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
4-Methyl-2-pentanone	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Acetone	ND	50.0	µg/L	1	12/28/2005 8:06:00 PM
Acrylonitrile	ND	50.0	µg/L	1	12/28/2005 8:06:00 PM
Benzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Bromobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Bromochloromethane	ND	2.00	µg/L	1	12/28/2005 8:06:00 PM
Bromodichloromethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Bromoform	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Bromomethane	ND	2.00	µg/L	1	12/28/2005 8:06:00 PM
Carbon tetrachloride	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Chlorobenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Chloroethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Chloroform	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Chloromethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
cis-1,2-Dichloroethene	10.7	5.00	µg/L	1	12/28/2005 8:06:00 PM
cis-1,3-Dichloropropene	ND	0.650	µg/L	1	12/28/2005 8:06:00 PM
Dibromochloromethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Dibromomethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Ethylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	12/28/2005 8:06:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Methyl tert-butyl ether	74.5	5.00	µg/L	1	12/28/2005 8:06:00 PM
Methylene chloride	ND	10.0	µg/L	1	12/28/2005 8:06:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

GeoLabs, Inc.

Date: *05-Jan-06*

CLIENT: Clean Harbors
Project: EN932093

Lab Order: 0512338

VOLATILE ORGANIC COMPOUNDS BY GC/MS		SW8260B			Analyst: MR
Naphthalene	ND	20.0	µg/L	1	12/28/2005 8:06:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
p-Isopropyltoluene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Styrene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Toluene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
trans-1,3-Dichloropropene	ND	0.950	µg/L	1	12/28/2005 8:06:00 PM
Trichloroethene	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Trichlorofluoromethane	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Vinyl chloride	ND	2.00	µg/L	1	12/28/2005 8:06:00 PM
Xylenes, Total	ND	5.00	µg/L	1	12/28/2005 8:06:00 PM
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	1	12/28/2005 8:06:00 PM
Surr: 4-Bromofluorobenzene	103	70-130	%REC	1	12/28/2005 8:06:00 PM
Surr: Dibromofluoromethane	102	70-130	%REC	1	12/28/2005 8:06:00 PM
Surr: Toluene-d8	101	70-130	%REC	1	12/28/2005 8:06:00 PM

CYANIDE, TOTAL		E335.2			Analyst: RP
Cyanide, Total	ND	0.020	mg/L	1	12/30/2005

TOTAL RESIDUAL CHLORINE		SM 4500-Cl-G			Analyst: RP
Total Residual Chlorine	ND	0.0500 H	mg/L	1	12/28/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

CHAIN OF CUSTODY

GeoLabs CHAIN NUMBER: 0512338

ALL BLOCKED ITEMS MUST BE FILLED IN — 24/48 HOUR RUSHES ONLY WITH APPROVAL OF D. KAHLER OR LAB DIRECTOR

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

Turnaround Time
RUSH: 24-48hrs / 72hrs — STANDARD: 5 Days

Page 1 of 2

SPECIAL INSTRUCTIONS

resample Cr 6; sample rec'd frozen DR 12/23

Note: JOBS WITH INCOMPLETELY FILLED OUT CHAINS WILL NOT BE RUN. CHAIN WILL BE RETURNED TO CLIENT FOR COMPLETION

TYPE OF CLIENT: BUS X LAB ____ HOMEOWNER ____ | NOTE: HOMEOWNERS, LAW FIRMS MUST PAY WHEN DROPPING OFF SAMPLES

Client: X CLEAN HARBORS
Address: X NO P.O. BOXES
1501 WASHINGTON ST BRAINTREE MA
Phone: X 781-849-1800
Fax: 781-794-1760
Contact: X H. ALLEN
E-mail: ALLENH@CLEANHARBORS.COM

Project Number: X EN 932093
Project Location: X PALMER
Purchase Order #: EN 932093
Collected By: X Doug Murphy

CHANGES REQUESTED? Y N
BY DATE
Received on ice?

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	TIME	SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	TSS 160.2	TRC 3305	TPH 1664	TOTAL CN 335.4	VOC 8260C	SVOC 8270D	PCB 608	METALS 6010C	TEMPERATURE	LAB pH
RW-8	12-22	1700	DM		P	1	GW		X	7		X									
					P	1				7			X								
					A	2				3/7				X							
					P	1				5/7					X						
					V	2				1/7	12338-001					X					
					A	2				4/7							X		X		
					A	2				4/7								X	X		
					P	1				2/7									X		

Verbal results given to ____ by (date/initial)

MATRIX CODES:	CONTAINER CODES:	PRESERVATIVE CODES:
GW = Ground Water	A = Amber B = Bag	1 = HCl 5 = NaOH
WW = Wastewater	G = Glass P = Plastic	2 = HNO_3 6 = MeOH
DW = Drinking Water	S = Summa Canister	3 = H_2SO_4 7 = ICE
SL = Sludge	O = Other V = VOA	4 = $Na_2S_2O_3$
S = Soil A = Air		
O = Oil OT = Other		

Terms: Payment due within 30 days unless other arrangements are made.
Past due balances subject to interest and collection costs.

Relinquished By:	Date/Time	Received By:	Date/Time:
PRINT: Douglas Murphy	12-23 1035		
Relinquished By:		Received By:	
Relinquished By:		Received By GeoLabs: Danielle Pina	12/23/05 10:35a

CHAIN OF CUSTODY

GeoLabs CHAIN NUMBER: 0512338

CHECKED ITEMS MUST BE FILLED IN — 24/48 HOUR RUSHES ONLY WITH APPROVAL OF DISPATCHER OR LAB DIRECTOR

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

Turnaround Time
RUSH: 24-48hrs [ ] 72hrs [ ] STANDARD: 5 Days [ ]

Page 2 of 2

SPECIAL INSTRUCTIONS

Note: JOBS WITH INCOMPLETELY FILLED OUT CHAINS WILL NOT BE RUN. CHAIN WILL BE RETURNED TO CLIENT FOR COMPLETION

TYPE OF CLIENT: BUS X LAB ____ HOMEOWNER ____ | NOTE: HOMEOWNERS, LAW FIRMS MUST PAY WHEN DROPPING OFF SAMPLES

Client: X CLEAN HARBORS
Address: X NO P.O. BOXES
1501 WASHINGTON ST BRAINTREE
Phone: X 781-849-1800
Fax: 781-794-1760
Contact: X H. ALLEN
E-mail:

Project Number: X EN 932093
Project Location: X PALMER
Purchase Order #: EN 932093
Collected By: X DOUG MURPHY

CHANGES REQUESTED? Y N
BY DATE
Received on Ice?

ANALYSES REQUESTED

SAMPLE ID	COLLECTION DATE	COLLECTION TIME	SAMPLED BY	SAMPLE LOCATION	CONTAINER TYPE	CONTAINER QUANT	MATRIX	COMP	GRAB	PRES	GEOLABS SAMPLE NUMBER	CR-6								TEMPERATURE	LAB pH
RW-8	12-22	1700	DM		P	1	GW		X	7	12338-001	X									

Verbal results given to by (date/initial)

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

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

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

Terms: Payment due within 30 days unless other arrangements are made.
Past due balances subject to interest and collection costs.

Relinquished By: *Date/Time* 12-23 1033
PRINT: Doug Murphy

Relinquished By:

Relinquished By:

Received By: *Date/Time:*

Received By:

Received By GeoLabs: 12/23/05 10:35a
Danielle Nunn

Report Date:
27-Jan-06 14:20

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Palmer Water District
10 Walnut Street
Palmer, MA 01069
Attn: Jim Ammann

Project: Palmer Water Dist
Project #: 13434

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA39694-01	RW-7	Ground Water	17-Jan-06 09:15	17-Jan-06 11:50
SA39694-02	RW-8	Ground Water	17-Jan-06 09:20	17-Jan-06 11:50
SA39694-03	Galaxy Well #1 Raw	Drinking Water	17-Jan-06 09:30	17-Jan-06 11:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s).
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Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH

Authorized by:

Hanibal G. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-7 SA39694-01	13434	Ground Water	17-Jan-06 09:15	17-Jan-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
67-64-1	Acetone	BRL		µg/l	10.0	1	EPA 524.2	20-Jan-06	20-Jan-06	6011037	RLJ
107-13-1	Acrylonitrile	BRL		µg/l	1.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	0.5	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL		µg/l	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	0.5	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL		µg/l	0.5	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	0.5	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL		µg/l	0.5	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL		µg/l	0.5	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12)	BRL		µg/l	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		µg/l	0.5	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL		µg/l	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	1.4		µg/l	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	0.5	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/l	0.5	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
100-42-5	Styrene	BRL		µg/l	0.5	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-7 SA39694-01	13434	Ground Water	17-Jan-06 09:15	17-Jan-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	20-Jan-06	20-Jan-06	6011037	RLJ
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	0.5		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.6*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.8*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-8 SA39694-02	13434	Ground Water	17-Jan-06 09:20	17-Jan-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
524.2 Purgeable Organic Compounds											
Prepared by method SW846 5030 Water MS											
630-20-6	1,1,1,2-Tetrachloroethane	BRL		µg/l	0.5	1	EPA 524.2	20-Jan-06	20-Jan-06	6011037	RLJ
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
127-18-4	Tetrachloroethene	2.3		µg/l	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	0.5	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		µg/l	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	1.0		µg/l	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	2.9		µg/l	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL		µg/l	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		µg/l	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL		µg/l	10.0	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	1.2		µg/l	0.5	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL		µg/l	0.5	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL		µg/l	10.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*93.0*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99.2*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*			"	"	"	"	"

Notes and Definitions

BRL Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

NR Not Reported

RPD Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

FROM SPECTRUM ANALYTICAL (FRI) 1 27 2006 16:03/ST. 15:52/NO. 5510232145 P 10

SA39694 (m)

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page _____ of _____

Special Handling:
☐ Standard TAT - 7 to 10 business days
☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMES AMMANN
PALMER WATER DISTRICT
10 WALNUT ST
PALMER MA.
Project Mgr.: JAMES AMMANN

Invoice To: PALMER WATER DIST
10 WALNUT ST
PALMER MA 01069
P.O. No.: SP00607 RQN: 3179

Project No.: 13434
Site Name: PALMER WATER DIST.
Location: PALMER State: MA.
Sampler(s): DMAJKA

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= REFRIG 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 502.2 w/MTBE							
A39694-01	RW-7	1/17/06	915AM	G	GW	2/9	2					✓							
.02	RW-8	1/17/06	920AM	G	GW	2/9	2					✓							
.03	GALAXY WELL #1 RAW	1/17/06	930AM	G	DW	2/9	2					✓							

QA Reporting Notes: (check if needed)
State specific reporting standards
If applicable, please list below.
☐ Provide MCP CAM Report
Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

☒ Fax results when available to (413) 283 2241 J. AMMANN
~~☐ E-mail to~~ MIKE SCHERER DEP/SPFD
~~EDD Format~~ CLEAN HARBORS MR ALLEN 787 794 1760

Relinquished by:	Received by:	Date:	Time:
[signature]	Mary DeMaio	1/17/06	1150

Condition upon receipt: ☒ Iced ☐ Ambient ☒ IC 8

Report Date:
21-Dec-05 14:59

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Palmer Water District
10 Walnut Street
Palmer, MA 01069
Attn: Jim Ammann

Project: Palmer Water Dist
Project #: 13434

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA38418-01	RW-7	Ground Water	12-Dec-05 09:15	12-Dec-05 11:35
SA38418-02	RW-8	Ground Water	12-Dec-05 09:25	12-Dec-05 11:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 6 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method indicated. Please refer to our "Quality" webpage at www.spectrum-analytical.com for a full listing of our current certifications.

Report Date:
08-Nov-05 16:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Palmer Water District
10 Walnut Street
Palmer, MA 01069
Attn: Jim Ammann

Project: Palmer Water Dist
Project #: 13434

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA36785-01	RW-7	Ground Water	07-Nov-05 09:30	07-Nov-05 13:08
SA36785-02	RW-8	Ground Water	07-Nov-05 09:20	07-Nov-05 13:08
SA36785-03	Gravel Pack Well #2	Drinking Water	07-Nov-05 09:50	07-Nov-05 13:08

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. All applicable NELAC requirements have been met.
Please note that this report contains 8 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
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USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-7 SA36785-01	13434	Ground Water	07-Nov-05 09:30	07-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	10.0 µg/l	1	EPA 524.2	08-Nov-05	08-Nov-05	5110451	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	12.6	0.5 µg/l	1	"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-7 SA36785-01	13434	Ground Water	07-Nov-05 09:30	07-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	EPA 524.2	08-Nov-05	08-Nov-05	5110451	RLJ	
75-09-2	Methylene chloride	BRL	0.5 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	0.8	0.5 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 µg/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 µg/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	0.6	0.5 µg/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 µg/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 µg/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*96.8*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*109*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*114*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-8 SA36785-02	13434	Ground Water	07-Nov-05 09:20	07-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method SW846 5030 Water MS							
67-64-1	Acetone	BRL	10.0 µg/l	1	EPA 524.2	08-Nov-05	08-Nov-05	5110451	RLJ	
107-13-1	Acrylonitrile	BRL	1.0 µg/l	1	"	"	"	"	"	
71-43-2	Benzene	BRL	0.5 µg/l	1	"	"	"	"	"	
108-86-1	Bromobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
74-97-5	Bromochloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-25-2	Bromoform	BRL	0.5 µg/l	1	"	"	"	"	"	
74-83-9	Bromomethane	BRL	0.5 µg/l	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	BRL	10.0 µg/l	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-15-0	Carbon disulfide	BRL	0.5 µg/l	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	BRL	0.5 µg/l	1	"	"	"	"	"	
108-90-7	Chlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-00-3	Chloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
67-66-3	Chloroform	BRL	0.5 µg/l	1	"	"	"	"	"	
74-87-3	Chloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	BRL	0.5 µg/l	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.5 µg/l	1	"	"	"	"	"	
74-95-3	Dibromomethane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.5 µg/l	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	0.6	0.5 µg/l	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	13.8	0.5 µg/l	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	BRL	0.5 µg/l	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	BRL	0.5 µg/l	1	"	"	"	"	"	
100-41-4	Ethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	BRL	0.5 µg/l	1	"	"	"	"	"	
591-78-6	2-Hexanone (MBK)	BRL	10.0 µg/l	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
99-87-6	4-Isopropyltoluene	BRL	0.5 µg/l	1	"	"	"	"	"	
1634-04-4	Methyl tert-butyl ether	91.7	0.5 µg/l	1	"	"	"	"	"	

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
RW-8 SA36785-02	13434	Ground Water	07-Nov-05 09:20	07-Nov-05

CAS No.	Analyte(s)	Result	*RDL/Units	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst	Flag
Volatile Organic Compounds										
524.2 Purgeable Organic Compounds			Prepared by method SW846 5030 Water MS							
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0 µg/l	1	EPA 524.2	08-Nov-05	08-Nov-05	5110451	RLJ	
75-09-2	Methylene chloride	BRL	0.5 µg/l	1	"	"	"	"	"	
91-20-3	Naphthalene	BRL	0.5 µg/l	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
100-42-5	Styrene	BRL	0.5 µg/l	1	"	"	"	"	"	
630-20-6	1,1,1,2-Tetrachloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	2.2	0.5 µg/l	1	"	"	"	"	"	
108-88-3	Toluene	BRL	0.5 µg/l	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
71-55-6	1,1,1-Trichloroethane	1.2	0.5 µg/l	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	BRL	0.5 µg/l	1	"	"	"	"	"	
79-01-6	Trichloroethene	3.7	0.5 µg/l	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	0.5 µg/l	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	BRL	0.5 µg/l	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	BRL	0.5 µg/l	1	"	"	"	"	"	
75-01-4	Vinyl chloride	BRL	0.5 µg/l	1	"	"	"	"	"	
1330-20-7	m,p-Xylene	BRL	0.5 µg/l	1	"	"	"	"	"	
95-47-6	o-Xylene	BRL	0.5 µg/l	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	BRL	10.0 µg/l	1	"	"	"	"	"	
994-05-8	Tert-amyl methyl ether	1.5	0.5 µg/l	1	"	"	"	"	"	
637-92-3	Ethyl tert-butyl ether	BRL	0.5 µg/l	1	"	"	"	"	"	
108-20-3	Di-isopropyl ether	BRL	0.5 µg/l	1	"	"	"	"	"	
75-65-0	Tert-Butanol / butyl alcohol	BRL	10.0 µg/l	1	"	"	"	"	"	
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*93.4*	*70-130 %*		"	"	"	"	"	
2037-26-5	*Toluene-d8*	*110*	*70-130 %*		"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*116*	*70-130 %*		"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*111*	*70-130 %*		"	"	"	"	"	

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