



Total Pages (Including this cover page): 61

Date: 5/11/06

To: Mr. Victor Alvarez

Company: EPA

From: Phil Peterson

Fax #: (617) 918-0505

Subject: _____

cc: _____

Comments:

STATEMENT OF CONFIDENTIALITY

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448 Broadway
Taunton, Massachusetts 02780
(508) 824-7412 Phone
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May 11, 2006

Mr. Victor Alvarez
U.S. Environmental Protection Agency
RGP-NOC Processing
Municipal Assistance (CMU)
1 Congress Street
Suite 1100 (OEP-CPE)
Boston, MA 02114-2033
Sent via facsimile (617) 918-0505

Re: Notice of Intent of Remediation General Permit (RGP)
Massachusetts Bay Transportation Authority
Maverick Station

Dear Mr. Alvarez,

BATG Environmental, Inc. is pleased to present this Notice of Intent of Remediation General Permit (RGP). This permit is being requested to support construction-dewatering activities to be conducted on the site for treatment and discharge to Boston Inner Harbor. The Project is being conducted for the Massachusetts Bay Transportation Authority at Maverick Station in East Boston, MA.

Project Contacts

BATG is the Environmental Consultant/Subcontractor to J.F. White Contracting, the General Contractor. The Massachusetts Bay Transportation Authority (MBTA) is considered the owner of the project. Below is the contact information for each of the entities listed above. All correspondence related to this submittal should be forwarded to the parties below.

BATG Environmental
448 Broadway
Taunton, MA 02780
Phone: 508-824-7412
Fax: 508-880-7565
Contact: Phil Peterson

J.F. White Contracting Co.
10 Burr Street
Framingham, MA 01701
Phone (508) 879-4700
Fax: (617) 558-0460
Contact: Jim Jones

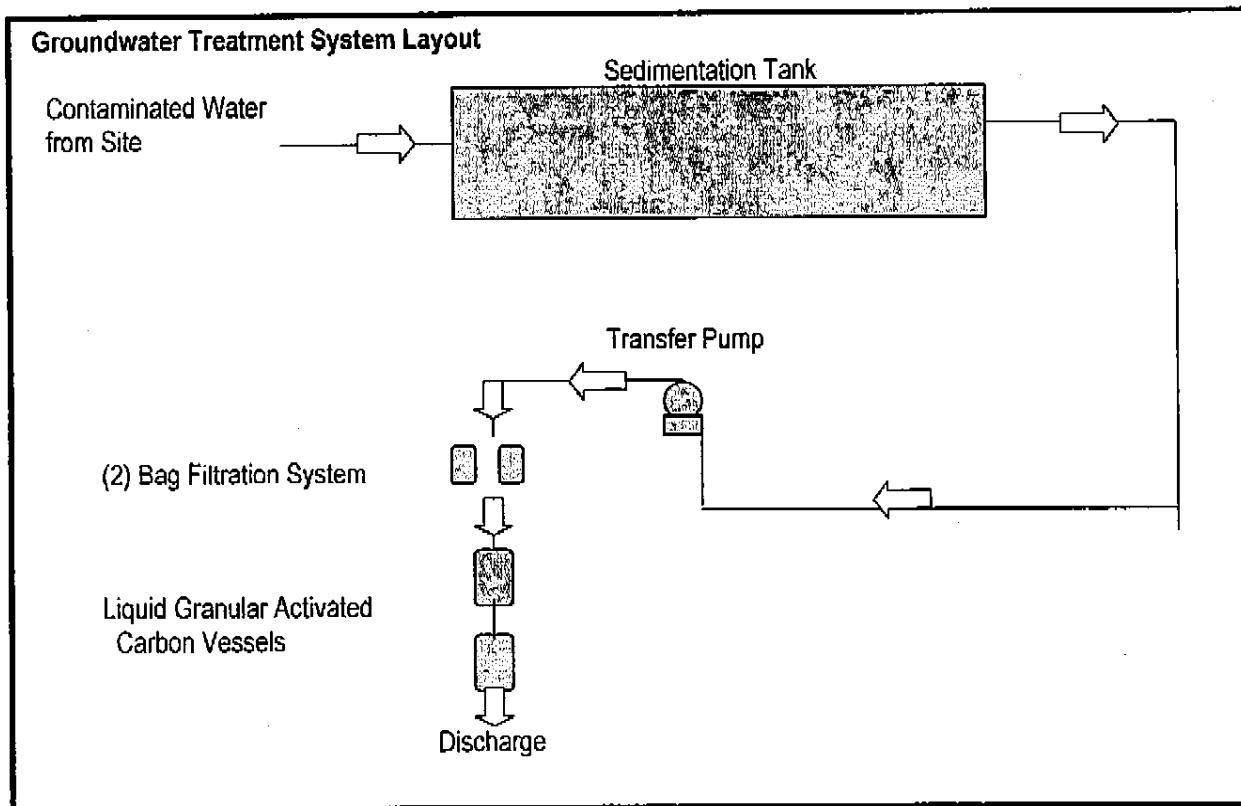
MBTA
265 Marginal Street
East Boston, MA 02128
Phone: (617)
Fax: (617)
Contact: Ron Ochoa

Existing Groundwater Data

The site history and preliminary pre-characterization of soil indicates groundwater is potentially contaminated with total petroleum hydrocarbons, volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). The contaminants of concern are identified in the Notice of Intent form that was created based on available data.

Groundwater Treatment System

The construction dewatering and treatment system has been designed for a continuous throughput of approximately 75 gallons per minute. The system is designed to treat water contaminated with organic compounds, total suspended solids, and petroleum hydrocarbons. The system consists of two pumps, a sedimentation tank, canister filtration units with bag filters, and two 1,000-pound liquid phase granular activated carbon filters. The first pump will transfer water from the excavation to the sedimentation tank. The second pump will transfer water from the sedimentation tank to the filters and effluent. Below is a schematic of the treatment system process. The effluent pipe from the groundwater treatment system will be suspended in a storm drain that discharges to Boston Harbor.



Should you have any questions regarding information please do not hesitate to call me at (508) 824-7412. Please forward all correspondence related to this request to BATG Environmental via fax number 508-880-7565 and the above listed address.

Sincerely,
BATG Environmental, Inc.



Philip M. Peterson
Project Manager

cc: Jim Jones, JF White

Attachment

- (1) Notice of Intent of Remediation General Permit (RGP)
- (2) Site Locus
- (3) Total Maximum Daily Loads -- Boston Inner Harbor
- (4) Laboratory Analytical

Attachment

Notice of Intent of Remediation General Permit (RGP)

Appendix V: Notice of Intent (NOI), Notice of Change (NOC), and Notice of Termination (NOT) Suggested Forms & Instructions

I. Suggested Notice of Intent (NOI) Form

In order to be covered by the remediation general permit (RGP), applicants must submit a written Notice of Intent (NOI) to EPA Region I and the appropriate state agency. **All parties meeting the definition of "operator" must fill out, sign, and submit separate NOIs.**

The "operator" is defined in Part I.B.1. as the person¹ who has operational control over plans and specifications, or the person who has day-to-day supervision and control of activities occurring at the site. For purposes of this permit, the operator is either:

- i. The owner² (e.g., title holder, developer, or easement holder of the property) if that entity is performing all work related to complying with this permit; **or**
- ii. Both the owner² (e.g., title holder, developer, or easement holder of the property) and contractor(s) if a contractor(s) has been hired to perform work related to complying with this permit.

This means that each party meeting the definition of operator should apply for coverage under the RGP if it has operational control over either the project site plans and specifications, including the ability to make modifications to those plans and specifications (e.g., the property owner), **or** has day-to-day operational control of those activities at a project which are necessary to ensure compliance with permit conditions (e.g., the contractor). Where a party's activity is part of a larger common plan (e.g., for the development or sale of the property), that party is only responsible for applying for the portions of the project for which it meets the definition of "operator." In many instances, there may be more than one party at a site performing tasks related to "operational control" and hence, more than one operator must submit an NOI. Depending on the site and the relationship between the parties (e.g., owner, contractor, etc.), there could be either a single party acting as site operator and consequently responsible for obtaining permit coverage, or there could be two or more operators all needing permit coverage.

The following are three general "operator" scenarios (variations on any of these three are possible, especially as the number of owners and contractors increases):

- ▶ *"Owner" as "Operator" - sole permittee.* The property owner designs the structures and control systems for the site, develops and implements the BMPP, and serves as general contractor (or has an on-site representative with full authority to direct day-to-day operations). Under the definition of operator, in this case, the "Owner" would be considered the "operator" and therefore the only party that needs permit coverage. Everyone else working on the site may be considered subcontractors and do not need to apply for permit coverage.

¹ Defined in 40 CFR 122.2.

²For purposes of this permit, the "owner" of a property is the person, as defined by 40 CFR 122.2, holding the title, deed, or legal document to the regulated property, facility, or activity, including a party working under an easement on the property.

- ▶ **“Contractor” as “Operator” - sole permittee.** The property owner hires a company (e.g., a contractor) to design the project and oversee all aspects, including preparation and implementation of the BMPP and compliance with the permit (e.g., a “turnkey” project). Here, the contractor would likely be the only party needing a permit. It is under this scenario that an individual having a personal residence built for his own use (e.g., not those to be sold for profit or used as rental property) would not be considered an operator. Similarly, EPA expects that property owners hiring a contractor or consultant to perform groundwater remediation work (e.g., due to a leaking fuel oil tank) would come under this type of scenario. EPA believes that the contractor, being a professional in the industry, should be the responsible entity rather than the individual. The contractor is better equipped to meet the requirements of both applying for permit coverage and developing and properly implementing the plans needed to comply with the permit. However, property owners would also meet the definition of “operator” and require permit coverage in instances where they perform any of the required tasks on their personal properties.
- ▶ **“Owner” and “Contractor” as “Operators” - co-permittees.** The owner retains control over any changes to site plans, BMPPs, or wastewater conveyance or control designs, but the contractor is responsible for conducting and overseeing the actual activities (e.g., excavation, installation and operation of treatment train, etc.) and daily implementation of BMPP and other permit conditions. In this case, **both** parties need to apply for coverage.

Generally, a person would not be considered an “operator,” and subsequently would not need permit coverage, if: 1) that person is a subcontractor hired by, and under the supervision of, the owner or a general contractor (e.g., if the contractor directs the subcontractor’s activities on-site, it is probably not an operator); or 2) the person’s activities would otherwise result in the need for coverage under the RGP but another operator has legally assumed responsibility for the impacts of project activities.

A. Instructions for the Suggested Notice of Intent (NOI) - At a minimum, the Notice of Intent must include the following for each individual facility or site. Additional information may be attached as needed.

1. General facility/site information.

- a) Provide the **facility/site** name, mailing address, and telephone and fax numbers. Provide the facility SIC code(s). Provide the site location, including longitude and latitude.
- b) Provide the property **owner’s** name, address, email address, telephone and fax numbers, if different from the site information. Indicate whether the owner is a Federal, State, Tribal, private, or other entity.
- c) Provide the site **operator’s** (e.g., contractor’s) name, mailing address, telephone and fax numbers, and email address if different from the owner’s information.
- d) For the site for which the application is being submitted, indicate whether:
 - 1) a prior NPDES permit exclusion has been granted for the discharge (if so, provide the tracking number of the exclusion letter);

- 2) a prior NPDES application (Form 1 & 2C) has ever been filed for the discharge (if so, provide the tracking number and date that the application was submitted to EPA);
 - 3) the discharge is a "new discharge" as defined by 40 CFR 122.2; and
 - 4) for sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting.
- e) Indicate whether there is any ongoing state permitting, licensing, or other action regarding the facility or site which is generating the discharge. If "yes," provide any site identification number assigned by the state of NH or MA, any permit or license number assigned, and the state agency contact information (e.g. name, location, telephone no.).
- f) Indicate whether or not the facility is covered by other EPA permits including: the multi-sector storm water general permit; the Phase I or II Construction Storm Water General Permit; an individual NPDES permit; or, any other water quality-related individual or general permit. If so, provide permit tracking number(s).

2. Discharge information.

- a) Describe the discharge activities to be covered by the permit. Attach additional sheets as needed.
- b) Provide the following information about each discharge:
- 1) the number of discharge points;
 - 2) the **maximum** and **average flow rate** of the discharge in cubic feet per second. For the average flow magnitude, include the units and appropriate notation if this value is a calculated design value or estimate if technical/design information is not available;
 - 3) the latitude and longitude of each discharge with an accuracy of 100 feet (see EPA's siting tool at: http://www.epa.gov/tri/report/siting_tool/);
 - 4) the total volume of potential discharge (gal), only if hydrostatic testing;
 - 5) indication whether the discharge(s) is intermittent or seasonal and if ongoing.
- c) Provide the expected start and end dates of discharge (month/day/year)
- d) 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 section I.3. of the NOI, 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. The applicant may use historical data as a substitute for the new sample if the data was collected no more than 2 years prior to the effective date of the permit and if collected 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, and was analyzed with the test methods required by 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 indicate which of the sub-categories (listed in Table V of Part I.C of the permit) that the potential discharge falls within.
- 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.

Based on the required sampling and analysis, the applicant must fill in the table, or provide a narrative description, with the following additional information for each chemical that is **believed present**:

- 1) the number of samples taken (minimum of one sample);
- 2) the type of sample (e.g. grab, composite, etc.);
- 3) the analytical method used, including the method number;
- 4) the minimum level (ML) of the method used (based on Appendix VI);
- 5) the maximum daily amount (concentration, ug/l, and mass, kg) of each pollutant, based on the sampling data (see Appendix VIII instructions for sample mass calculations); and
- 6) the average daily amount (concentration and mass) of each pollutant, based on the sampling data.

If the results of the required sampling indicate that pollutants exist in addition to those listed in Appendix III of the RGP of the permit, the applicant must also describe those contaminants on the NOI in boxes in section I.3.b) on the line marked "Other," or using additional sheets as needed. Subsequently, EPA will decide if the RGP can apply or if an individual permit is necessary.

- c) Determination of Reasonable Potential and Allowable Dilution for Discharges of Metals: If any *metals* are believed present in the potential discharge to freshwater³, the applicant must follow the 2 step calculation procedures described below to determine the reasonable potential for exceedance of water quality standards and dilution factor for each metal.

Step 1: Initial Evaluation

- 1) The applicant must evaluate all metals believed present in the discharge subject to this permit, including "naturally occurring" metals such as dissolved and/or total Iron. Applicants must enter the highest detected concentration of the metal at zero dilution in the "Maximum value" column of the NOI.
- 2) Based on the maximum concentration of each metal, the applicant must perform an initial evaluation assuming zero dilution in the receiving water. The applicant must compare the metals concentrations in the untreated (intake) waters to the limits contained in Appendix III.
 - i. If potential discharges (untreated influent) with metals contain concentrations above the concentration limits listed in Appendix III, applicant must proceed to step 2.

³Dilution factors may be available for discharges to saline waters but only with approval of the flow modeling information from the State prior to the submission of the NOI.

ii. If potential discharges (untreated influent) with metals contain concentrations below the concentrations listed in Appendix III, the applicant may skip step 2 and those metals will **not** be subject to permit limitations or monitoring requirements.

Step 2: Calculation of Dilution Factor

1) **For applicants in NH:** If a metal concentration in a potential discharge (untreated influent) to **freshwater**³ exceeds the limits in Appendix III with zero dilution, the applicant shall evaluate the potential concentration considering a dilution factor (DF) using the formula below. **For sites in New Hampshire, the applicant must contact NH DES to determine the 7Q10 and dilution factor.**

$$DF = [(Q_d + Q_s)/Q_d] \times 0.9$$

Where:

DF	= Dilution Factor
Q_d	= Maximum flow rate of the discharge in cubic feet per second (cfs) (1.0 gpm = .00223 cfs)
Q_s	= Receiving water 7Q10 flow, in cfs, where,
7Q10	= The annual minimum flow for 7 consecutive days with a recurrence interval of 10 years
0.9	= Allowance for reserving 10% of the assets in the receiving stream as per Chapter ENV-Ws 1700, Surface Water Quality Regulations

i. Using the DF calculated from the formula above, the applicant must refer to the corresponding DF range column in Appendix IV. The applicant then compares the maximum concentration of the metal entered on the NOI to the corresponding total recoverable metals limits listed in Appendix IV.

1. If a metal concentration in the potential discharge (untreated influent) is less than the corresponding limit in Appendix IV, the metal will **not** be subject to permit limitations or monitoring requirements.

2. If a metal concentration in the potential discharge (untreated influent) is equal to or exceeds the corresponding limit in Appendix IV, the applicant must reduce it in the effluent to a concentration below the applicable total recoverable metals limit in Appendix IV prior to discharge.

ii. In either case, the applicant must submit the results of this calculation as part of the NOI. EPA and NH DES will review the proposed effluent limitations for each metal and approve or disapprove the limits in the notification of coverage letter to the applicant.

2) **For applicants in MA:** If a metal concentration in a in a potential discharge (untreated influent) to **freshwater**³ exceeds the limits in Appendix III with zero dilution, the applicant must evaluate the potential concentration considering a dilution factor (DF) using the formula below.

$$DF = (Qd + Qs)/Qd$$

Where: DF = Dilution Factor
 Qd = Maximum flow rate of the discharge in cubic feet per second (cfs)
 (1.0 gpm = .00223 cfs)
 Qs = Receiving water 7Q10 flow (cfs) where,
 7Q10 = The minimum flow (cfs) for 7 consecutive days with a recurrence interval of 10 years

i. The applicant may estimate the 7Q10 for a receiving water by using available information such as nearby USGS stream gauging stations directly or by application of certain "flow factors," using historic streamflow publication information, calculations based on drainage area, information from state water quality offices, or other means. In many cases the states of MA have calculated 7Q10 information using "flow factors" for a number of streams in the state. The source of the low flow value(s) used by the applicant must be included on NOI application form. Flow data can also be obtained from web applications such as STREAMSTATS located at: <http://ma.water.usgs.gov/streamstats/>.

ii. Using the DF calculated from the formula above, the applicant must refer to the corresponding DF range column in Appendix IV. The applicant then compares the maximum concentration of each metal entered on the NOI to the corresponding total recoverable metals limit listed in Appendix IV.

1. If a metal concentration in the potential discharge (untreated influent) is less than the corresponding limit in Appendix IV, the metal will **not** be subject to permit limitations or monitoring requirements.
2. If a metal concentration in a potential discharge (untreated influent) is equal to or exceeds the corresponding limit in Appendix IV, the applicant must reduce it in the effluent to a concentration below the applicable total recoverable metals limit in Appendix IV prior to discharge.

iii. The applicant must submit the results of this calculation as part of the NOI. EPA (and MA DEP where the discharge not covered by 310 CMR 40.0000) will review the proposed effluent limitations for each metal and approve or disapprove the limits in the notification of coverage letter to the applicant.

4. Treatment system information.

- a) Describe the treatment train for each discharge and attach a schematic of the proposed or existing treatment system.
- b) Identify each major treatment unit (e.g. frac tanks, filters, air stripper, liquid phase/vapor phase activated carbon, oil/water separators, etc.) by checking all that apply and describing any additional equipment not listed. Provide a written description of how the system train will be set up. Attach additional sheets as needed.

c) Provide the proposed **average** and **maximum flow** rates (in gallons per minute, gpm) for the discharge and the **design flow** rates (in gpm) of the treatment system. Clearly identify the component of the treatment with the most limited flow, i.e., the part of the treatment train that establishes the **design flow**.

d) Describe any chemical additives being used, or planned to be used, and attach MSDS sheets for each. EPA may request further information regarding the chemical composition of the additive, potential toxic effects, or other information to insure that approval of the use of the additive will not cause or contribute to a violation of State water quality standards. Approval of coverage under the RGP will constitute approval of the use of the chemical additive(s). If coverage of the discharge under the RGP has already been granted and the use of a chemical additive becomes necessary, the permittee must submit a Notice of Change (NOC).

5. Receiving surface water(s) information.

a) Identify the discharge pathway by checking whether it is discharged: directly to the receiving water, within the facility (e.g., through a sewer drain), to a storm drain, to a river or brook, to a wetland, or other receiving body.

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters into which discharge will occur.

c) Provide a detailed map(s) indicating the location of the site and outfall to the receiving water:

1) For multiple discharges, the discharges should be numbered sequentially.

2) In the case of indirect dischargers (to municipal storm sewer, etc) the map(s) must be sufficient to indicate the location of the discharge to the indirect conveyance and the discharge to the state classified surface water. The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water and the basin;

e) Specify the reported seven day-ten year low flow (7Q10) of the receiving water (see Section I.A.3)c. above). In New Hampshire, the 7Q10 must be provided by to the applicant by the New Hampshire Department of Environmental Services.

f) Indicate whether the receiving water is a listed 303(d) water quality impaired or limited water and if so, for which pollutants (see Section VII.H. of the Fact Sheet for additional information).

Also, indicate if there is a TMDL for any of the listed pollutants. For MA, the list of waters can be found at: <http://www.mass.gov/dep/brp/wm/tmdls.htm> and for NH:

<http://www.epa.gov/ne/eco/tmdl/impairedh2o.html>. For more information, contact the states at:

New Hampshire Department of Environmental Services, Watershed Management Bureau at 603-271-3503 or the Massachusetts Department of Environmental Protection at 508-767-2796 or 508-767-2873;

6. Consultation with Federal Services - As required in Part I.A.4 and Appendix VII the operator of a site/facility must ensure that the potential discharge will not affect adversely endangered species, designated critical habitat, or essential fish habitat, or national historic places that are in proximity to the potential discharge. If the potential discharge is to certain water bodies, the applicant must also submit a formal certification with the NOI that indicates the consultation, with the U.S. Fish and Wildlife Service and National Marine Fisheries Service (the Services), resulted in either a no jeopardy opinion or a written concurrence on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat. Facilities should begin the

consultation as early in the process as possible.

a) Indicate whether any listed threatened or endangered species, designated critical habitat, or essential fish habitat, are in proximity to the discharge to be covered by this permit and whether any consultation with the Services is complete or underway.

b) Indicate whether or not there are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge (see <http://www.cr.nps.gov/nr/research/nris.htm>), and whether any state or tribal historic preservation officer (SHPO or THPO) was consulted in such a determination (for Massachusetts sites only).

7. Supplemental information. Applicants should provide any supplemental information needed to meet the requirements of the permit, including, any analytical data used to support the application, and any certification(s) required.

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.

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit**1. General site information. Please provide the following information about the site:**

a) Name of facility/site: Maverick Station Blue Line Modernization MBTA Project S10CN04		Facility/site address: Maverick Station Maverick Square East Boston		
Location of facility/site: longitude: 42.22 _____ latitude: 71.02 _____		Facility SIC code(s):		Street: Maverick Square East Boston, MA
b) Name of facility/site owner: Massachusetts Bay Transportation Authority		Town: Boston		
Email address of owner: ddarby@mbta.com		State: MA	Zip: 02128	County: Suffolk
Telephone no. of facility/site owner: (617) 222-3169		Owner is (check one): 1. Federal _____ 2. State/Tribal <input checked="" type="checkbox"/> 3. Private _____ 4. other, if so, describe:		
Fax no. of facility/site owner: (617) 222-1557				
Address of owner (if different from site): Street: 10 Park Plaza				
Town: Boston	State: MA	Zip: 02116	County: Suffolk	
c) Legal name of operator: BATG Environmental, Inc.		Operator telephone no: (508) 824-7412		
		Operator fax no.: (508) 880-7565	Operator email: ppeterson@batgenvironmental.com	
Operator contact name and title: Phil Peterson, Sr. Project Manager				

Address of operator (if different from owner):	Street: 448 Broadway		
Town: Taunton	State: MA	Zip: 02780	County: Bristol
<p>d) Check "yes" or "no" for the following:</p> <p>1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No <input checked="" type="checkbox"/>, if "yes," number:</p> <p>2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No <input checked="" type="checkbox"/>, if "yes," date and tracking #:</p> <p>3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <input checked="" type="checkbox"/> No___</p> <p>4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <input checked="" type="checkbox"/> No___</p>			
<p>e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No <input checked="" type="checkbox"/></p> <p>If "yes," please list:</p> <p>1. site identification # assigned by the state of NH or MA:</p> <p>2. permit or license # assigned:</p> <p>3. state agency contact information: name, location, and telephone number:</p>		<p>f) Is the site/facility covered by any other EPA permit, including:</p> <p>1. multi-sector storm water general permit? Y___ N <input checked="" type="checkbox"/>, if Y, number:</p> <p>2. phase I or II construction storm water general permit? Y <input checked="" type="checkbox"/> N___, if Y, number:</p> <p>3. individual NPDES permit? Y___ N <input checked="" type="checkbox"/>, if Y, number:</p> <p>4. any other water quality related permit? Y___ N <input checked="" type="checkbox"/>, if Y, number:</p>	

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

<p>a) Describe the discharge activities for which the owner/applicant is seeking coverage:</p> <p style="padding-left: 20px;">Dewatering activities related to construction for modernization of commuter subway station.</p>		
b) Provide the following information about each discharge:	<p>1) Number of discharge points:</p> <p style="text-align: center;">1</p>	<p>2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.16</u></p> <p>Average flow <u>0.11</u> Is maximum flow a design value? Y <input checked="" type="checkbox"/> N___</p> <p>For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.</p> <p>Average Flow is a designed rate of 0.11 ft³/s</p>
<p>3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>42.22</u> lat. <u>71.02</u> ; 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.</p>		

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent <input checked="" type="checkbox"/> or seasonal _____? Is discharge ongoing Yes _____ No <input checked="" type="checkbox"/> ?
c) Expected dates of discharge (mm/dd/yy): start <u>05/15/06</u> end <u>12/31/08</u>	
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 <input checked="" type="checkbox"/>	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 minimum)	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 (ng/l)	mass (kg)
1. Total Suspended Solids		<input checked="" type="checkbox"/>	1	grab	2540	5000	8400			
2. Total Residual Chlorine	<input checked="" type="checkbox"/>		1	grab	9010	20	<20			
3. Total Petroleum Hydrocarbons		<input checked="" type="checkbox"/>	1	Grab	8160	500	<500			
4. Cyanide	<input checked="" type="checkbox"/>		1	Grab	9010	0.05	<0.05			
5. Benzene	<input checked="" type="checkbox"/>		1	Grab	8260	5	<5			
6. Toluene	<input checked="" type="checkbox"/>		1	Grab	8260	5	<5			
7. Ethylbenzene	<input checked="" type="checkbox"/>		1	Grab	8260	5	<5			
8. (m,p,o) Xylenes	<input checked="" type="checkbox"/>		1	Grab	8260	5	<5			
9. Total BTEX ⁴	<input checked="" type="checkbox"/>		1	Grab	8260	5	<5			

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	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)	✓		1	Grab	8260	5	<5			
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	8260	10	<10			
12. tert-Butyl Alcohol (TBA)	✓		1	Grab	8260	5	<5			
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	8260	25	<5			
14. Naphthalene	✓		1	Grab	8260	5	<5			
15. Carbon Tetrachloride	✓		1	Grab	8260	5	<5			
16. 1,4 Dichlorobenzene	✓		1	Grab	8260	5	<5			
17. 1,2 Dichlorobenzene	✓		1	Grab	8260	5	<5			
18. 1,3 Dichlorobenzene	✓		1	Grab	8260	5	<5			
19. 1,1 Dichloroethane	✓		1	Grab	8260	5	<5			
20. 1,2 Dichloroethane	✓		1	Grab	8260	5	<5			
21. 1,1 Dichloroethylene	✓		1	Grab	8260	5	<5			
22. cis-1,2 Dichloroethylene	✓		1	Grab	8260	5	<5			
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	8260	5	<5			
24. Tetrachloroethylene	✓		1	Grab	8260	5	<5			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	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	✓		1	Grab	8260	5	<5			
26. 1,1,2 Trichloroethane	✓		1	Grab	8260	5	<5			
27. Trichloroethylene	✓		1	Grab	8260	5	<5			
28. Vinyl Chloride	✓		1	Grab	8260	5	<5			
29. Acetone	✓		1	Grab	8260	50	750			
30. 1,4 Dioxane	✓		1	Grab	8260	1.0	<1.0			
31. Total Phenols	✓		1	Grab	8270	11	<11			
32. Pentachlorophenol	✓		1	Grab	8270	11	<11			
33. Total Phthalates ⁵ (Phthalate esters)	✓		1	Grab	8270	11	<11			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	8270	11	<11			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene		✓	4	Grab	8270	10	<11			
b. Benzo(a) Pyrene		✓	4	Grab	8270	10	<11			
c. Benzo(b)Fluoranthene		✓	4	Grab	8270	10	<11			
d. Benzo(k) Fluoranthene		✓	4	Grab	8270	10	<11			
e. Chrysene		✓	4	Grab	8270	10	<11			

⁵The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,b) anthracene		✓	4	Grab	8270	10	<11			
g. Indeno(1,2,3-cd) Pyrene		✓	4	Grab	8270	10	<11			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene		✓	1	Grab	8270	11	<11			
i. Acenaphthylene		✓	4	Grab	8270	10	<11			
j. Anthracene		✓	4	Grab	8270	10	<11			
k. Benzo(ghi) Perylene		✓	4	Grab	8270	10	<11			
l. Fluoranthene		✓	1	Grab	8270	11	<11			
m. Fluorene		✓	4	Grab	8270	10	<11			
n. Naphthalene-		✓	4	Grab	8270	10	<11			
o. Phenanthrene		✓	4	Grab	8270	10	<11			
p. Pyrene		✓	4	Grab	8270	10	<11			
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	Grab	608	0.5	<0.5			
38. Antimony	✓		1	Grab	200.7	5	5			
39. Arsenic	✓		1	Grab	200.7	4	4			
40. Cadmium	✓		1	Grab	610	1	<1			
41. Chromium III	✓		1	Grab	200.7	1	<1			
42. Chromium VI	✓		1	Grab	200.7	1	<1			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	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)
43. Copper		✓	1	Grab	6010	1	6			
44. Lead		✓	1	Grab	7421	2	<2			
45. Mercury	✓		1	Grab	7470	0.2	<0.2			
46. Nickel	✓		1	Grab	200.7	2	<2			
47. Selenium	✓		1	Grab	6010	10	<10			
48. Silver	✓		1	Grab	200.7	1	<1			
49. Zinc		✓	1	Grab	200.7	2	13			
50. Iron	✓		1	Grab	6010	2	430			
Other (describe):										

e) For discharges where metals are believed present, please fill out the following:

<p><i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y___ N_✓</p>	<p>If yes, which metals?</p>
<p><i>Step 2:</i> For any metals which have reasonable potential to exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: _____ DF: _____</p>	<p>Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y___ N_✓ If "Yes," list which metals:</p>

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system: Settling Tank, Bag Filter, GAC Filter (See attached schematic)						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank <input checked="" type="checkbox"/>	Air stripper <input type="checkbox"/>	Oil/water separator <input type="checkbox"/>	Equalization tanks <input type="checkbox"/>	Bag filter <input checked="" type="checkbox"/>	GAC filter <input checked="" type="checkbox"/>
	Chlorination <input type="checkbox"/>	Dechlorination <input type="checkbox"/>	Other (please describe):			
c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system: Average flow rate of discharge <u>50</u> Maximum flow rate of treatment system <u>75</u> Design flow rate of treatment system <u>75</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): None						

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct <input type="checkbox"/>	Within facility <input type="checkbox"/>	Storm drain <input checked="" type="checkbox"/>	River/brook <input type="checkbox"/>	Wetlands <input type="checkbox"/>	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Groundwater will be discharged to a City of Boston stormdrain which discharges to Boston Inner Harbor.						

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:

1. For multiple discharges, number the discharges sequentially.

2. For indirect discharges, indicate the location of the discharge to the indirect conveyance and the discharge to surface water

The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water SB

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ cfs

Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes No If yes, for which pollutant(s)?

Pathogens, Priority Organics, Other Toxic Organics

Is there a TMDL? Yes No If yes, for which pollutant(s)?

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes No

Has any consultation with the federal services been completed? No or is consultation underway? Yes No

What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):

a "no jeopardy" opinion? or written concurrence on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?

Yes No Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes No

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.
See Attached.

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: MBTA - Maverick Station
Operator signature:  (BATG)
Title: Project Manager
Date: May 11, 2006

B. Submission of NOI to EPA - All operators applying for coverage under this General Permit must submit a written Notice of Intent (NOI) to EPA. Signed and completed NOI forms and attachments must be submitted to EPA-NE at:

US Environmental Protection Agency
RGP-NOC Processing
Municipal Assistance Unit (CMU),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

or electronically mailed to NPDES.Generalpermits@epa.gov,
or faxed to the EPA Office at 617-918-0505.

If filling out the suggested NOI form electronically on EPA's website, the signature page must be signed and faxed or mailed to EPA at the phone number or address listed in Section I.B. below.

1. Filing with the states - A copy of any NOI form filed with EPA-NE must also be filed with state agencies. The state agency may elect to develop a state specific form or other information requirements.

a) Discharges in Massachusetts - In addition to the NOI, permit applicants must submit copies of the State Application Form BRPWM 12, Request for General Permit coverage for the RGP. The application form and the Transmittal Form for Permit Application and Payment, may be obtained from the Massachusetts Department of Environmental Protection (MA DEP) website at www.state.ma.us/dep. Municipalities are fee-exempt, but should send a copy of the transmittal form to that address for project tracking purposes. All applicants should keep a copy of the transmittal form and a copy of the application package for their records.

1) A copy of the NOI, the transmittal form, a copy of the check, and Form BRPWM 12 should be sent to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

2) A copy of the transmittal form and the appropriate fee should be sent to:

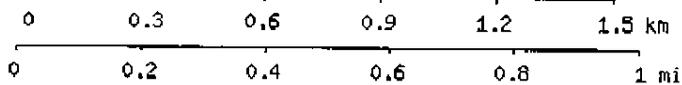
Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02111

Please note: Applicants for discharges in Massachusetts should note that under 310 CMR 40.000, *as a matter of state law*, the general permit only applies to discharges that are **not** subject to the Massachusetts Contingency Plan (MCP) and 310 CMR 40.000. Therefore, discharges subject to the MCP are **not** required to fill out and submit the State Application Form BRPWM 12 or pay the state fees. However, they must submit a NOI to EPA.

b) Discharges in New Hampshire - applicants must provide a copy of the Notice of Intent to:

New Hampshire Department of Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095.

2. Filing with Municipalities - A copy of the NOI must be submitted to the municipality in which the proposed discharge would be located.



Map center is 42° 22' 10"N, 71° 02' 28"W (WGS84/NAD83)
Boston South quadrangle
 Projection is UTM Zone 19 NAD83 Datum



M=-10.792
 G=-1.376



U.S. Environmental Protection Agency

Total Maximum Daily Loads

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Listed Water Information

CYCLE : 2002

Click [here](#) to see metadata for this report.

Cycle: 2002 **State:** MA **List ID:** MA70-02

Waterbody Name: BOSTON INNER HARBOR

State Basin Name: BOSTON HARBOR

Listed Water Map Link: [MAP 303\(d\)](#)

Comments:

FROM THE MYSTIC AND CHELSEA RIVERS, CHELSEA/BOSTON, TO THE LINE BETWEEN GOVERNORS ISLAND AND FORT INDEPENDENCE, EAST BOSTON/BOSTON (INCLUDING FORT POINT AND RESERVED CHANNELS, AND LITTLE MYSTIC RIVER.).

State List IDs:

Cycle	State List ID
2002	MA70-02_2002

State Impairments:

State Impairment	Parent Impairment	Priority	Rank	Targeted Flag	Anticipated TMDL Submittal
PRIORITY ORGANICS	OTHER TOXIC ORGANICS				
PATHOGENS	PATHOGENS				

Potential Sources of Impairment:

There were no potential sources reported to EPA by the state.

Total Maximum Daily Load (TMDL) Information:

There were no TMDLs reported to EPA by the state.

Watershed Information:

Watershed Name	Watershed States
CHARLES	MASSACHUSETTS

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Last updated on Monday, May 8th, 2006
URL: <http://oaspub.epa.gov/tmdl/enviro.control>

Metadata Page for LISTED WATER INFORMATION

Column Name	Definition
ACTUAL TMDL ESTABLISHMENT DATE	Date EPA established or approved the TMDL. This field is included for all entries.
ANTICIPATED TMDL SUBMITTAL	Anticipated date of TMDL submittal.
COMMENTS	Comments on the listed waterbody. This field is optional and not included for all entries.
IMPAIRMENT CYCLE/CYCLE	The even numbered year associated with the list or assessment (e.g., 1996, 1998, 2000). This field is included for all entries.
LIST ID	Unique ID assigned to each state listing. The first two characters are the state abbreviation. The middle characters are the water's Waterbody System ID, another state-derived ID, or an arbitrary ID assigned by the state. This field is included for all entries.
PARENT IMPAIRMENT	The description of the parent 303(d) listed water cause of impairment. The parent cause of impairment represents an EPA assigned, general categorization for the specific, state reported cause of impairment.
POTENTIAL IMPAIRMENT SOURCES	Text field containing description of the pollutant source. This field is included for all entries.
PRIORITY	Priority for TMDL development assigned by the state (High, Medium, Low). This field is optional and not included for all entries.
RANK	Numeric ranking assigned by the state (i.e. 1,2, 3) of each listed water. This field is optional and not included for all entries.
STATE	The state abbreviation (US Postal) for the state. This field is included for all entries.
STATE BASIN NAME	Basin name used by the state. This field is optional and not included for all entries.
STATE IMPAIRMENT	Description of the listed water Cause of Impairment for the TMDL. This field is included for all entries.
STATUS	Status of the TMDL (e.g., submitted, established/approved, disapproved draft, proposed, submitted, or withdrawn). This field is included for all entries.
TARGETED_FLAG	Yes/No field indicating if the state intends to develop a TMDL for the listed water within the next 2 years. This field is optional and not included for all entries.
TMDL NAME	Name of the TMDL. This field is included for all entries.
TMDL POLLUTANT DESCRIPTION	Description of the listed water Cause of Impairment for the TMDL. This field is included for all entries.
TMDL POLLUTANT TYPE	Type of TMDL (e.g., point source, nonpoint source, or both). This field is included for all entries.
	The name of the waterbody (e.g., Mississippi River). This field is included

WATERBODY NAME	for all entries.
WATERSHED NAME	Descriptive text for this Hydrologic Unit Code value, listing state or territory names (via WQS_STATE.STATE_NAME) or tribe codes (via WQS_STATE.TRIBE_CODE) that have area in this HUC, for HUC_LEVEL=8.
WATERSHED STATES	Name of the state, longhand (as opposed to state abbreviation). This field is included for all entries.



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

Analysis Report

April 03, 2006

FOR: Attn: Mr Jesse Maggs
BATG Environmental Inc.
448 Broadway
Taunton, MA 02780

<u>Sample Information</u>	<u>Custody Information</u>	<u>Date</u>	<u>Time</u>
Matrix: WATER	Collected by: JM	03/20/06	8:30
Location Code: BATGTAUN	Received by: SW	03/21/06	16:00
Rush Request:	Analyzed by: see "By" below		
P.O.#:			

Laboratory Data

SDG I.D.: GAH09144
Phoenix I.D.: AH09144

Client ID: MAVERICK GW 031706

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/22/06		EKT	200.7/6010
Arsenic	< 0.004	0.004	mg/L	03/22/06		EKT	200.7/6010
Cadmium	< 0.001	0.001	mg/L	03/22/06		EKT	6010/E200.7
Chromium	< 0.001	0.001	mg/L	03/22/06		EKT	200.7/6010
Copper	0.006	0.001	mg/L	03/22/06		EK	6010/E200.7
Iron	0.43	0.002	mg/L	03/22/06		EKT	6010/E200.7
Mercury	< 0.0002	0.0002	mg/L	03/22/06		RS	7470/E245.1
Nickel	< 0.002	0.002	mg/L	03/22/06		EKT	200.7/6010
Lead	< 0.002	0.002	mg/L	03/22/06		EKT	200.7/6010
Antimony	0.005	0.005	mg/L	03/22/06		EK	200.7/6010
Selenium	< 0.01	0.01	mg/L	03/22/06		EKT	6010/200.7
Zinc	0.013	0.002	mg/L	03/22/06		EK	200.7/6010
Chlorine Residual	< 0.02	0.02	mg/L	03/21/06	23:00	CD	4500Cl-G
Chromium, Hexavalent	< 0.01	0.01	mg/L	03/21/06	23:00	CD	S3500CRD
Phenolics	< 0.015	0.015	mg/L	03/27/06		J/G	E420.2
Total Cyanide	< 0.005	0.005	mg/L	03/22/06		M/G	9010/335.3
Total Suspended Solids	84	5	mg/L	03/22/06		KL	SM2540D
MADEP MCP 8082 Certification	Completed			03/27/06		MH	MCP
MADEP MCP 8260 Certification	Completed			03/30/06		RM	MCP
MADEP MCP 7470/7471 Certification	Completed			03/27/06		RS	MCP
MADEP MCP 6010 Certification	Completed			03/24/06		EK	MCP
Mercury Digestion	Completed			03/22/06		E	E245.1
PCB Extraction	Completed			03/23/06		O/L	SW3510/3520
Semi-Volatile Extraction	Completed			03/21/06		O/D	SW3510/3520

Client ID: MAVERICK GW 031706

Phoenix I.D.: AH09144

Parameter	Result	RL	Units	Date	Time	By	Reference
Total Metals Digestion	Completed			03/21/06		AG	
Extraction of TPH MOD 8100	Completed			03/21/06		O/D	3550/5030
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1221	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1232	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1242	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1248	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1254	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1260	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1262	ND	0.5	ug/L	03/27/06		MH	608/ 8082
PCB-1268	ND	0.5	ug/L	03/27/06		MH	608/ 8082
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	64		%	03/27/06		MH	608/ 8082
% TCMX (Surrogate Rec)	110		%	03/27/06		MH	608/ 8082
<u>TPH by GC (Extractable Products)</u>							
Aviation Fuel/Kerosene	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Fuel Oil #2/ Diesel Fuel	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Fuel Oil #4	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Fuel Oil #6	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Motor Oil	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Other Oil (Cutting & Lubricating)	ND	0.5	mg/L	03/22/06		JRB	8100Modified
Unidentified	ND	0.5	mg/L	03/22/06		JRB	8100Modified
<u>QA/QC Surrogates</u>							
% n-Pentacosane	82		%	03/22/06		JRB	8100Modified
Acetone	750	50	ug/l	03/21/06		R/J	SW8260
1,4-dioxane	< 1.0	1.0	ug/L	03/23/06		RM	SW8260MOD
Tert-amyl-methyl-ether	< 25	25	ug/L	03/21/06		R/J	SW8260
Tert-butyl alcohol	< 200	200	ug/L	03/21/06		RM	SW8260
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,1,1-Trichloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,1,2-Trichloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,1-Dichloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,1-Dichloroethene	ND	5	ug/L	03/21/06		R/J	SW8260
1,1-Dichloropropene	ND	5	ug/L	03/21/06		R/J	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,2,3-Trichloropropane	ND	5	ug/L	03/21/06		R/J	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,2,4-Trimethylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/L	03/21/06		R/J	SW8260

Client ID: MAVERICK GW 031706

Phoenix I.D.: AH09144

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,2-Dichloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
1,2-Dichloropropane	ND	5	ug/L	03/21/06		R/J	SW8260
1,3,5-Trimethylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,3-Dichlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
1,3-Dichloropropane	ND	5	ug/L	03/21/06		R/J	SW8260
1,4-Dichlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
2,2-Dichloropropane	ND	5	ug/L	03/21/06		R/J	SW8260
2-Chlorotoluene	ND	5	ug/L	03/21/06		R/J	SW8260
4-Chlorotoluene	ND	5	ug/L	03/21/06		R/J	SW8260
Benzene	ND	5	ug/L	03/21/06		R/J	SW8260
Bromobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Bromochloromethane	ND	5	ug/L	03/21/06		R/J	SW8260
Bromodichloromethane	ND	5	ug/L	03/21/06		R/J	SW8260
Bromoform	ND	5	ug/L	03/21/06		R/J	SW8260
Bromomethane	ND	5	ug/L	03/21/06		R/J	SW8260
Carbon tetrachloride	ND	5	ug/L	03/21/06		R/J	SW8260
Chlorobenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Chloroethane	ND	5	ug/L	03/21/06		R/J	SW8260
Chloroform	ND	5	ug/L	03/21/06		R/J	SW8260
Chloromethane	ND	5	ug/L	03/21/06		R/J	SW8260
cis-1,2-Dichloroethene	ND	5	ug/L	03/21/06		R/J	SW8260
cis-1,3-Dichloropropene	ND	5	ug/L	03/21/06		R/J	SW8260
Dibromochloromethane	ND	5	ug/L	03/21/06		R/J	SW8260
Dibromoethane	ND	5	ug/L	03/21/06		R/J	SW8260
Dibromomethane	ND	5	ug/L	03/21/06		R/J	SW8260
Dichlorodifluoromethane	ND	5	ug/L	03/21/06		R/J	SW8260
Ethylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Hexachlorobutadiene	ND	5	ug/L	03/21/06		R/J	SW8260
Isopropylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
m&p-Xylene	ND	5	ug/L	03/21/06		R/J	SW8260
Methyl Ethyl Ketone	ND	60	ug/L	03/21/06		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	03/21/06		R/J	SW8260
Methylene chloride	ND	5	ug/L	03/21/06		R/J	SW8260
n-Butylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
n-Propylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Naphthalene	ND	5	ug/L	03/21/06		R/J	SW8260
o-Xylene	ND	5	ug/L	03/21/06		R/J	SW8260
p-Isopropyltoluene	ND	5	ug/L	03/21/06		R/J	SW8260
sec-Butylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Styrene	ND	5	ug/L	03/21/06		R/J	SW8260
tert-Butylbenzene	ND	5	ug/L	03/21/06		R/J	SW8260
Tetrachloroethene	ND	5	ug/L	03/21/06		R/J	SW8260
Toluene	ND	5	ug/L	03/21/06		R/J	SW8260

Client ID: MAVERICK GW 031706

Phoenix I.D.: AH09144

Parameter	Result	RL	Units	Date	Time	By	Reference
Total Xylenes	ND	5	ug/L	03/21/06		R/J	SW8260
trans-1,2-Dichloroethene	ND	5	ug/L	03/21/06		R/J	SW8260
trans-1,3-Dichloropropene	ND	5	ug/L	03/21/06		R/J	SW8260
Trichloroethene	ND	5	ug/L	03/21/06		R/J	SW8260
Trichlorofluoromethane	ND	5	ug/L	03/21/06		R/J	SW8260
Vinyl chloride	ND	5	ug/L	03/21/06		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	111		%	03/21/06		R/J	SW8260
% Bromofluorobenzene	102		%	03/21/06		R/J	SW8260
% Dibromofluoromethane	102		%	03/21/06		R/J	SW8260
% Toluene-d8	89		%	03/21/06		R/J	SW8260
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
1,2-Dichlorobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
1,2-Diphenylhydrazine	ND	11	ug/L	03/22/06		RM	SW 8270
1,3-Dichlorobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
1,4-Dichlorobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
2,4,5-Trichlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
2,4,6-Trichlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
2,4-Dichlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
2,4-Dimethylphenol	ND	11	ug/L	03/22/06		RM	SW 8270
2,4-Dinitrophenol	ND	54	ug/L	03/22/06		RM	SW 8270
2,4-Dinitrotoluene	ND	11	ug/L	03/22/06		RM	SW 8270
2,6-Dichlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
2,6-Dinitrotoluene	ND	11	ug/L	03/22/06		RM	SW 8270
2-Chloronaphthalene	ND	11	ug/L	03/22/06		RM	SW 8270
2-Chlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
2-Methylnaphthalene	ND	11	ug/L	03/22/06		RM	SW 8270
2-Methylphenol (o-cresol)	ND	11	ug/L	03/22/06		RM	SW 8270
2-Nitroaniline	ND	54	ug/L	03/22/06		RM	SW 8270
2-Nitrophenol	ND	11	ug/L	03/22/06		RM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	03/22/06		RM	SW 8270
3,3'-Dichlorobenzidine	ND	22	ug/L	03/22/06		RM	SW 8270
3-Nitroaniline	ND	54	ug/L	03/22/06		RM	SW 8270
4,6-Dinitro-2-methylphenol	ND	54	ug/L	03/22/06		RM	SW 8270
4-Bromophenyl phenyl ether	ND	11	ug/L	03/22/06		RM	SW 8270
4-Chloro-3-methylphenol	ND	22	ug/L	03/22/06		RM	SW 8270
4-Chloroaniline	ND	22	ug/L	03/22/06		RM	SW 8270
4-Chlorophenyl phenyl ether	ND	11	ug/L	03/22/06		RM	SW 8270
4-Nitroaniline	ND	54	ug/L	03/22/06		RM	SW 8270
4-Nitrophenol	ND	54	ug/L	03/22/06		RM	SW 8270
Acenaphthene	ND	11	ug/L	03/22/06		RM	SW 8270
Acenaphthylene	ND	11	ug/L	03/22/06		RM	SW 8270

Client ID: MAVERICK GW 031706

Phoenix I.D.: AH09144

Parameter	Result	RL	Units	Date	Time	By	Reference
Anthracene	ND	11	ug/L	03/22/06		RM	SW 8270
Benz(a)anthracene	ND	11	ug/L	03/22/06		RM	SW 8270
Benzidine	ND	11	ug/L	03/22/06		RM	SW 8270
Benzo(a)pyrene	ND	11	ug/L	03/22/06		RM	SW 8270
Benzo(b)fluoranthene	ND	11	ug/L	03/22/06		RM	SW 8270
Benzo(ghi)perylene	ND	11	ug/L	03/22/06		RM	SW 8270
Benzo(k)fluoranthene	ND	11	ug/L	03/22/06		RM	SW 8270
Benzoic acid	ND	54	ug/L	03/22/06		RM	SW 8270
Benzyl alcohol	ND	22	ug/L	03/22/06		RM	SW 8270
Benzyl butyl phthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Bis(2-chloroethoxy)methane	ND	11	ug/L	03/22/06		RM	SW 8270
Bis(2-chloroethyl)ether	ND	11	ug/L	03/22/06		RM	SW 8270
Bis(2-chloroisopropyl)ether	ND	11	ug/L	03/22/06		RM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Chrysene	ND	11	ug/L	03/22/06		RM	SW 8270
Di-n-butylphthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Di-n-octylphthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Dibenz(a,h)anthracene	ND	11	ug/L	03/22/06		RM	SW 8270
Dibenzofuran	ND	11	ug/L	03/22/06		RM	SW 8270
Diethyl phthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Dimethylphthalate	ND	11	ug/L	03/22/06		RM	SW 8270
Fluoranthene	ND	11	ug/L	03/22/06		RM	SW 8270
Fluorene	ND	11	ug/L	03/22/06		RM	SW 8270
Hexachlorobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
Hexachlorobutadiene	ND	11	ug/L	03/22/06		RM	SW 8270
Hexachlorocyclopentadiene	ND	11	ug/L	03/22/06		RM	SW 8270
Hexachloroethane	ND	11	ug/L	03/22/06		RM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	11	ug/L	03/22/06		RM	SW 8270
Isophorone	ND	11	ug/L	03/22/06		RM	SW 8270
N-Nitrosodi-n-propylamine	ND	11	ug/L	03/22/06		RM	SW 8270
N-Nitrosodimethylamine	ND	11	ug/L	03/22/06		RM	SW 8270
N-Nitrosodiphenylamine	ND	11	ug/L	03/22/06		RM	SW 8270
Naphthalene	ND	11	ug/L	03/22/06		RM	SW 8270
Nitrobenzene	ND	11	ug/L	03/22/06		RM	SW 8270
Pentachlorophenol	ND	11	ug/L	03/22/06		RM	SW 8270
Phenanthrene	ND	11	ug/L	03/22/06		RM	SW 8270
Phenol	ND	11	ug/L	03/22/06		RM	SW 8270
Pyrene	ND	11	ug/L	03/22/06		RM	SW 8270
Pyridine	ND	11	ug/L	03/22/06		RM	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	80		%	03/22/06		RM	SW 8270
% 2-Fluorobiphenyl	78		%	03/22/06		RM	SW 8270
% 2-Fluorophenol	67		%	03/22/06		RM	SW 8270
% Nitrobenzene-d5	79		%	03/22/06		RM	SW 8270

Client ID: MAVERICK GW 031706

Phoenix I.D.: AH09144

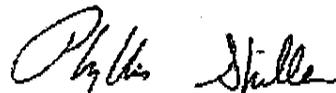
Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	69		%	03/22/06		RM	SW 8270
% Terphenyl-d14	*NR		%	03/22/06		RM	SW 8270

Comments:

ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

* Poor surrogate recovery was observed. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

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



Phyllis Shiller, Laboratory Director

April 03, 2006



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

QA/QC Report

April 03, 2006

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	Dup	LCS	LCSD	LCS	MS	MS Dup	RPD
		RPD	%	%	RPD	Rec %	Rec %	

QA/QC Batch Sample No: AH08894 (AH09144)

ICP Metals - Aqueous

Aluminum	BDL	NC	96.5			99.3	99.4	0.1
Antimony	BDL	NC	95.0			96.9	98.4	1.5
Arsenic	BDL	NC	96.0			102	104	1.9
Barium	BDL	7.80	102			95.3	96.5	1.3
Beryllium	BDL	NC	100			96.4	99.0	2.7
Boron	BDL	--	--			--	--	
Cadmium	BDL	NC	98.2			91.6	92.6	1.1
Calcium	BDL	--	--			--	--	
Chromium	BDL	NC	97.1			93.0	94.3	1.4
Cobalt	BDL	NC	97.6			89.6	90.6	1.1
Copper	0.002	0.6	100			>130	>130	
Iron	BDL	1.00	97.9			79.5	95.8	18.6
Lead	BDL	NC	97.9			87.0	87.3	0.3
Magnesium	BDL	--	--			--	--	
Manganese	BDL	0.7	98.1			91.1	94.7	3.9
Molybdenum	BDL	--	--			--	--	
Nickel	BDL	0.9	98.0			89.5	90.2	0.8
Phosphorus	BDL	--	--			--	--	
Selenium	BDL	NC	97.4			103	106	2.9
Silver	BDL	NC	102			99.6	100	0.4
Thallium	BDL	NC	97.3			83.9	85.7	2.1
Tin	BDL	--	--			--	--	
Vanadium	BDL	NC	101			99.0	100	1.0
Zinc	BDL	23.0	98.0			98.2	99.0	0.8

QA/QC Batch Sample No: AH09380 (AH09144)

Lead Analysis by Furnace	BDL		103.4			96.5		
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QA/QC Batch Sample No: AH09380 (AH09144)

Mercury	BDL		98			101	102	1.0
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QA/QC Batch Sample No: AH09380 (AH09144)

Thallium	BDL		94.2			88.1		
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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

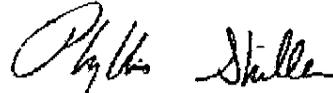
RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate



Phyllis Shiller, Laboratory Director

April 03, 2006



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

QA/QC Report

April 03, 2006

SDG I.D.: GAH09144

Parameter	QA/QC Data			LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
	Blank	Dup RPD	LCS %					
QA/QC Batch Sample No: AH08938 (AH09144)								
Total Suspended Solids	BDL	NC	97					
QA/QC Batch Sample No: AH08960 (AH09144)								
Total Cyanide	BDL		95					
QA/QC Batch Sample No: AH09204 (AH09144)								
Chlorine Residual	BDL		99.6					
QA/QC Batch Sample No: AH09367 (AH09144)								
Chromium, Hexavalent	BDL	NR	100.0			100.0		
QA/QC Batch Sample No: AH09507 (AH09144)								
Phenolics	BDL	NR	89			81		

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

Phyllis Shiller, Laboratory Director

April 03, 2006



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QA/QC Report

April 03, 2006

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	LCS		LCS RPD	MS Rec %	MS Dup Rec %	RPD
		%	%				

QA/QC Batch Sample No: AH05700 (AH09144)

Polychlorinated Biphenyls

PCB-1016	ND				114	97	16.1
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND				95	90	5.4
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	89				90	83	8.1
% TCMX (Surrogate Rec)	94				97	96	1.0

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AH08894 (AH09144)

Semivolatiles

1,2,4-Trichlorobenzene	ND				57	67	16.1
1,2-Dichlorobenzene	ND				53	65	20.3
1,2-Diphenylhydrazine	ND						
1,3-Dichlorobenzene	ND				51	64	22.6
1,4-Dichlorobenzene	ND				51	64	22.6
2,4,5-Trichlorophenol	ND				70	79	12.1
2,4,6-Trichlorophenol	ND				59	69	15.6
2,4-Dichlorophenol	ND				66	76	14.1
2,4-Dimethylphenol	ND				64	73	13.1
2,4-Dinitrophenol	ND						
2,4-Dinitrotoluene	ND				73	82	11.6
2,6-Dichlorophenol	ND						
2,6-Dinitrotoluene	ND				70	80	13.3
2-Chloronaphthalene	ND				61	69	12.3
2-Chlorophenol	ND				56	69	20.8
2-Methylnaphthalene	ND				62	69	10.7
2-Methylphenol (o-cresol)	ND				60	70	15.4
2-Nitroaniline	ND						

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
2-Nitrophenol	ND				52	60	14.3
3&4-Methylphenol (m&p-cresol)	ND				62	71	13.5
3,3'-Dichlorobenzidine	ND						
3-Nitroaniline	ND				76	88	14.6
4,6-Dinitro-2-methylphenol	ND				32	48	40.0
4-Bromophenyl phenyl ether	ND				68	75	9.8
4-Chloro-3-methylphenol	ND				67	76	12.6
4-Chloroaniline	ND				101	112	10.3
4-Chlorophenyl phenyl ether	ND				67	76	12.6
4-Nitroaniline	ND				76	88	14.6
4-Nitrophenol	ND				70	85	19.4
Acenaphthene	ND				64	71	10.4
Acenaphthylene	ND				58	65	11.4
Anthracene	ND				66	74	11.4
Benz(a)anthracene	ND				74	79	6.5
Benzidine	ND						
Benzo(a)pyrene	ND				70	74	5.6
Benzo(b)fluoranthene	ND				76	81	6.4
Benzo(ghi)perylene	ND				74	76	2.7
Benzo(k)fluoranthene	ND				79	81	2.5
Benzoic acid	ND						
Benzyl alcohol	ND				60	72	18.2
Benzyl butyl phthalate	ND				87	90	3.4
Bis(2-chloroethoxy)methane	ND				61	69	12.3
Bis(2-chloroethyl)ether	ND				56	68	19.4
Bis(2-chloroisopropyl)ether	ND				52	62	17.5
Bis(2-ethylhexyl)phthalate	ND				82	86	4.8
Chrysene	ND				72	78	8.0
Di-n-butylphthalate	ND				66	71	7.3
Di-n-octylphthalate	ND				58	63	8.3
Dibenz(a,h)anthracene	ND				77	79	2.6
Dibenzofuran	ND				65	72	10.2
Diethyl phthalate	ND				65	72	10.2
Dimethylphthalate	ND				66	73	10.1
Fluoranthene	ND				83	89	7.0
Fluorene	ND				68	77	12.4
Hexachlorobenzene	ND				60	65	8.0
Hexachlorobutadiene	ND				54	63	15.4
Hexachlorocyclopentadiene	ND						
Hexachloroethane	ND				44	57	25.7
Indeno(1,2,3-cd)pyrene	ND				75	79	5.2
Isophorone	ND				53	59	10.7

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
N-Nitrosodi-n-propylamine	ND				54	61	12.2
N-Nitrosodimethylamine	ND						
N-Nitrosodiphenylamine	ND						
Naphthalene	ND				59	69	15.6
Nitrobenzene	ND				54	64	16.9
Pentachlorophenol	ND				58	71	20.2
Phenanthrene	ND				67	73	8.6
Phenol	ND				56	67	17.9
Pyrene	ND				82	87	5.9
Pyridine	ND						
% 2,4,6-Tribromophenol	82				62	69	10.7
% 2-Fluorobiphenyl	75				58	63	8.3
% 2-Fluorophenol	57				45	57	23.5
% Nitrobenzene-d5	73				51	60	16.2
% Phenol-d5	63				51	61	17.9
% Terphenyl-d14	113				83	88	5.8

Comment: A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch Sample No: AH09379 (AH09144)

Volatiles Organics

1,1,1,2-Tetrachloroethane	ND	94			47	48	2.1
1,1,1-Trichloroethane	ND	105			117	116	0.9
1,1,2,2-Tetrachloroethane	ND	94			85	85	0.0
1,1,2-Trichloroethane	ND	93			139	104	28.8
1,1-Dichloroethane	ND	115			124	123	0.8
1,1-Dichloroethene	ND	107			133	132	0.8
1,1-Dichloropropene	ND	91			130	94	32.1
1,2,3-Trichlorobenzene	ND	84			114	113	0.9
1,2,3-Trichloropropane	ND	104			89	89	0.0
1,2,4-Trichlorobenzene	ND	84			115	113	1.8
1,2,4-Trimethylbenzene	ND	95			95	96	1.0
1,2-Dibromo-3-chloropropane	ND	80			97	85	13.2
1,2-Dichlorobenzene	ND	94			94	99	5.2
1,2-Dichloroethane	ND	89			135	97	32.8
1,2-Dichloropropane	ND	93			135	100	29.8
1,3,5-Trimethylbenzene	ND	106			93	93	0.0
1,3-Dichlorobenzene	ND	92			91	93	2.2
1,3-Dichloropropane	ND	90			96	95	1.0
1,4-Dichlorobenzene	ND	91			92	92	0.0
2,2-Dichloropropane	ND	109			110	110	0.0
2-Chlorotoluene	ND	102			91	91	0.0
4-Chlorotoluene	ND	102			91	91	0.0

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Benzene	ND	82			114	82	32.7
Bromobenzene	ND	100			91	89	2.2
Bromochloromethane	ND	109			126	129	2.4
Bromodichloromethane	ND	107			127	95	28.8
Bromoform	ND	90			95	96	1.0
Bromomethane	ND	129			131	141	7.4
Carbon tetrachloride	ND	97			135	98	31.8
Chlorobenzene	ND	94			93	95	2.1
Chloroethane	ND	126			140	145	3.5
Chloroform	ND	107			119	120	0.8
Chloromethane	ND	143			158	154	2.6
cis-1,2-Dichloroethene	ND	110			128	128	0.0
cis-1,3-Dichloropropene	ND	70			112	81	32.1
Dibromochloromethane	ND	93			97	98	1.0
Dibromoethane	ND	91			147	105	33.3
Dibromomethane	ND	94			131	102	24.9
Dichlorodifluoromethane	ND	172			257	251	2.4
Ethylbenzene	ND	97			94	97	3.1
Hexachlorobutadiene	ND	111			124	128	3.2
Isopropylbenzene	ND	110			90	98	8.5
m&p-Xylene	ND	96			90	96	6.5
Methyl t-butyl ether (MTBE)	ND	91			76	52	37.5
Methylene chloride	ND	104			119	119	0.0
n-Butylbenzene	ND	96			98	99	1.0
n-Propylbenzene	ND	109			95	92	3.2
Naphthalene	ND	72			104	104	0.0
o-Xylene	ND	93			91	100	9.4
p-Isopropyltoluene	ND	100			95	98	3.1
sec-Butylbenzene	ND	91			93	95	2.1
Styrene	ND	91			185	199	7.3
tert-Butylbenzene	ND	100			92	94	2.2
Tetrachloroethene	ND	96			96	96	0.0
Toluene	ND	96			139	100	32.6
trans-1,2-Dichloroethene	ND	116			130	132	1.5
trans-1,3-Dichloropropene	ND	91			144	105	31.3
Trichloroethene	ND	97			100	101	1.0
Trichlorofluoromethane	ND	123			136	138	1.5
Vinyl chloride	ND	148			170	171	0.6
% 1,2-dichlorobenzene-d4	106	104			105	106	0.9
% Bromofluorobenzene	106	108			99	101	2.0
% Dibromofluoromethane	119	111			128	133	3.8
% Toluene-d8	94	99			128	101	23.6

QA/QC Data

SDG I.D.: GAH09144

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
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QA/QC Batch Sample No: AH09421 (AH09144)

1,4-dioxane

1,4-dioxane	BDL				100	108	7.7
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Comment: LFB was analyzed with this batch instead of MS/MSD

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

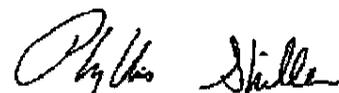
RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate



Phyllis Shiller, Laboratory Director

April 03, 2006



**Environmental
Laboratories Corporation**

FILE



111 Herrick Street, Merrimack, NH 03054
TEL: (603) 424-2022 · FAX: (603) 429-8496

November 23, 2005

ANALYTICAL TEST RESULTS

Dan White
ATC Environmental, Inc.
600 W. Cummings Park
Ste. 6500
Woburn, MA 018016350
TEL: 781-932-9400
FAX: 781-932-6211

Subject: 60.04694.0004 DMJM - Maverick

Workorder No.: 0511166

Dear Dan White:

AMRO Environmental Laboratories Corp. received 2 samples on 11/18/2005 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of 60 days from sample receipt date (90 days for samples from New York). After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 14 pages. This letter is an integral part of your data report. All results in this project relate only to the sample(s) as received by the laboratory and documented in the Chain-of-Custody. This report shall not be reproduced except in full, without the written approval of the laboratory. If you have any questions regarding this project in the future, please refer to the Workorder Number above.

Sincerely,

Nancy Stewart
Vice President

State Certifications: NH (NELAC): 1001, MA: M-NH012, CT: PH-0758, NY: 11278 (NELAC), ME: NH012 and 1001, NJ: NH125, RI: 00105, U.S. Army Corps of Engineers (USACE), Naval Facilities Engineering Service Center (NFESC).

Hard copy of the State Certification is available upon request.



AMRO Environmental Laboratories Corp.

Date: 23-Nov-05

CLIENT: ATC Environmental, Inc.**Project:** 60.04694.0004 DMJM - Maverick**Lab Order:** 0511166**Date Received:** 11/18/05**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Collection Date	Collection Time
0511166-01A	MW-2	11/16/05	10:15 AM
0511166-02A	MW-3	11/16/05	9:00 AM

Lab Order: 0511166
Client: ATC Environmental, Inc.
Project: 60.04694.0004 DMJM - Maverick

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Analytical Test Name	Prep Date	Analysis Date	Batch ID	TCLP Date
				Preparatory Test Name				
0511166-01A	MW-2	11/16/05 10:15:00 AM	Groundwater	EPA 8270C SVOCs, Base/Neutral Extractables		11/21/05		
				EPA 3510 AQPREP SEP FUNNEL: BNA	11/21/05	14920		
0511166-02A	MW-3	11/16/05 9:00:00 AM		EPA 8270C SVOCs, Base/Neutral Extractables		11/21/05		
					11/21/05	14920		

AMRO Environmental Laboratories Corp.

Date: 23-Nov-05

CLIENT: ATC Environmental, Inc.
Project: 60.04694.0004 DMJM - Maverick
Lab Order: 0511166

CASE NARRATIVE**SEMI-VOLATILES**

1. A short list of analytes was reported per the client request.

DATA COMMENT PAGE

Organic Data Qualifiers

ND	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than the method detection limit.
H	Method prescribed holding time exceeded.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
B	This flag is used when the analyte is found in the associated blank as well as in the sample.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
#	See Case Narrative

Micro Data Qualifiers

TNTC Too numerous to count

Inorganic Data Qualifiers

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J	Indicates a value greater than or equal to the method detection limit, but less than the quantitation limit.
H	Indicates analytical holding time exceedance.
B	Indicates that the analyte is found in the associated blank, as well as in the sample.
MSA	Indicates value determined by the Method of Standard Addition
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
R	RPD outside accepted recovery limits
RL	Reporting limit; defined as the lowest concentration the laboratory can accurately quantitate.
S	Spike Recovery outside accepted recovery limits.
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995
#	See Case Narrative

Report Comments:

1. Soil, sediment and sludge sample results are reported on a "dry weight" basis.
2. Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

AMRO Environmental Laboratories Corp.

Date: 23-Nov-05

CLIENT:	ATC Environmental, Inc.	Client Sample ID:	MW-2
Lab Order:	0511166	Collection Date:	11/16/05 10:15:00 AM
Project:	60.04694.0004 DMJM - Maverick	Matrix:	GROUNDWATER
Lab ID:	0511166-01A		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8270 SEMIVOLATILE ORGANICS, BASE/NEU SW8270C						Analyst: JS
Naphthalene	ND	10		µg/L	1	11/21/05 5:36:00 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Acenaphthylene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Acenaphthene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Dibenzofuran	ND	10		µg/L	1	11/21/05 5:36:00 PM
Fluorene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Phenanthrene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Anthracene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Fluoranthene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Pyrene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Benz(a)anthracene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Chrysene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/21/05 5:36:00 PM
Sum: Nitrobenzene-d5	86.1	42-117		%REC	1	11/21/05 5:36:00 PM
Sum: 2-Fluorobiphenyl	85.5	43-107		%REC	1	11/21/05 5:36:00 PM
Sum: 4-Terphenyl-d14	89.6	37-125		%REC	1	11/21/05 5:36:00 PM

AMRO Environmental Laboratories Corp.

Date: 23-Nov-05

CLIENT:	ATC Environmental, Inc.	Client Sample ID:	MW-3
Lab Order:	0511166	Collection Date:	11/16/05 9:00:00 AM
Project:	60.04694.0004 DMJM - Maverick	Matrix:	GROUNDWATER
Lab ID:	0511166-02A		

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA 8270 SEMIVOLATILE ORGANICS, BASE/NEU SW8270C						Analyst: JS
Naphthalene	ND	11		µg/L	1	11/21/05 5:58:00 PM
2-Methylnaphthalene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Acenaphthylene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Acenaphthene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Dibenzofuran	ND	11		µg/L	1	11/21/05 5:58:00 PM
Fluorene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Phenanthrene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Anthracene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Fluoranthene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Pyrene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Benzo(a)anthracene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Chrysene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Benzo(b)fluoranthene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Benzo(k)fluoranthene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Benzo(a)pyrene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Dibenz(a,h)anthracene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Indeno(1,2,3-cd)pyrene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Benzo(g,h,i)perylene	ND	11		µg/L	1	11/21/05 5:58:00 PM
Surr: Nitrobenzene-d5	95.5	42-117		%REC	1	11/21/05 5:58:00 PM
Surr: 2-Fluorobiphenyl	91.8	43-107		%REC	1	11/21/05 5:58:00 PM
Surr: 4-Terphenyl-d14	97.9	37-125		%REC	1	11/21/05 5:58:00 PM

CLIENT: ATC Environmental, Inc.
 Work Order: 0511166
 Project: 60.04694.0004 DMJM - Maverick

QC SUMMARY REPORT
 Method Blank

Sample ID: MB-14920 Batch ID: 14920 Test Code: SW8270C Units: µg/L Analysis Date: 11/21/2005 4:11:00 PM Prep Date: 11/21/2005
 Client ID: Run ID: SV-4_051121A SeqNo: 513400

Analyte	QC Sample	RL	Units	QC Spike	Original Sample		LowLimit	HighLimit	Original Sample		RPD	RPDLimit	Que
	Result			Amount	Result	%REC			or MS Result	%RPD			
Naphthalene	ND	10	µg/L										
2-Methylnaphthalene	ND	10	µg/L										
Acenaphthylene	ND	10	µg/L										
Acenaphthene	ND	10	µg/L										
Dibenzofuran	ND	10	µg/L										
Fluorene	ND	10	µg/L										
Phenanthrene	ND	10	µg/L										
Anthracene	ND	10	µg/L										
Fluoranthene	ND	10	µg/L										
Pyrene	ND	10	µg/L										
Benz(a)anthracene	ND	10	µg/L										
Chrysene	ND	10	µg/L										
Benzo(b)fluoranthene	ND	10	µg/L										
Benzo(k)fluoranthene	ND	10	µg/L										
Benzo(a)pyrene	ND	10	µg/L										
Dibenz(a,h)anthracene	ND	10	µg/L										
Indeno(1,2,3-cd)pyrene	ND	10	µg/L										
Benzo(g,h,i)perylene	ND	10	µg/L										
Sum: Nitrobenzene-d5	40.35	1.0	µg/L	50	0	80.7	42	117		0			
Sum: 2-Fluorobiphenyl	40.24	1.0	µg/L	50	0	80.5	43	107		0			
Sum: 4-Terphenyl-d14	45.33	1.0	µg/L	50	0	90.7	37	125		0			

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

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05/11/2006 10:49 FAX 508 880 7565
 BATG ENVIRONMENTAL
 059

CLIENT: ATC Environmental, Inc.
 Work Order: 0511166
 Project: 60.04694.0004 DMJM - Maverick

QC SUMMARY REPORT
 Laboratory Control Spike - Full List

Sample ID: LCS-14920 Batch ID: 14920 Test Code: SWB270C Units: µg/L Analysis Date: 11/21/2005 4:32:00 PM Prep Date: 11/21/2005
 Client ID: Run ID: SV-4_051121A SeqNo: 513402

Analyte	QC Sample	RL	Units	QC Spike	Original Sample		LowLimit	HighLimit	Original Sample		Que
	Result			Amount	Result	%REC			or MS Result	%RPD	
Naphthalene	40.6	10	µg/L	50	0	81.2	41	105		0	
2-Methylnaphthalene	39.83	10	µg/L	50	0	79.7	48	103		0	
Acenaphthylene	41.2	10	µg/L	50	0	82.4	52	105		0	
Acenaphthene	43.56	10	µg/L	50	0	87.1	54	106		0	
Dibenzofuran	43.19	10	µg/L	50	0	86.4	56	108		0	
Fluorene	43.75	10	µg/L	50	0	87.5	54	107		0	
Phenanthrene	43.99	10	µg/L	50	0	88	56	109		0	
Anthracene	43.24	10	µg/L	50	0	86.5	56	110		0	
Fluoranthene	43.75	10	µg/L	50	0	87.5	54	112		0	
Pyrene	49.91	10	µg/L	50	0	99.8	58	115		0	
Benz(a)anthracene	47.1	10	µg/L	50	0	94.2	57	115		0	
Chrysene	50.25	10	µg/L	50	0	101	56	116		0	
Benzo(b)fluoranthene	46.16	10	µg/L	50	0	92.3	54	118		0	
Benzo(k)fluoranthene	58.63	10	µg/L	50	0	113	54	117		0	
Benzo(a)pyrene	51.07	10	µg/L	50	0	102	53	114		0	
Dibenz(a,h)anthracene	51.24	10	µg/L	50	0	102	56	116		0	
Indeno(1,2,3-cd)pyrene	52.19	10	µg/L	50	0	104	53	117		0	
Benzo(g,h,i)perylene	52.44	10	µg/L	50	0	105	57	115		0	
Sum: Nitrobenzene-d5	42.35	1.0	µg/L	50	0	84.7	42	117		0	
Sum: 2-Fluorobiphenyl	44.82	1.0	µg/L	50	0	89.6	50	107		0	
Sum: 4-Terphenyl-d14	47.22	1.0	µg/L	50	0	94.4	37	125		0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

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CLIENT: ATC Environmental, Inc.
 Work Order: 0511166
 Project: 60.04694.0004 DMJM - Maverick

QC SUMMARY REPORT
 Laboratory Control Spike Duplicate - Full List

Sample ID: LCSD-14920 Batch ID: 14920 Test Code: SW8270C Units: µg/L Analysis Date: 11/21/2005 4:54:00 PM Prep Date: 11/21/2005
 Client ID: Run ID: SV-4_051121A SeqNo: 513401

Analyte	QC Sample Result	RL	Units	QC Spike Amount	Original Sample Result	%REC	LowLimit	HighLimit	Original Sample or MS Result	%RPD	RPDLimit	Que
Naphthalene	41.73	10	µg/L	50	0	83.5	41	105	40.6	2.75	50	
2-Methylnaphthalene	41.74	10	µg/L	50	0	83.5	48	103	39.83	4.68	50	
Acenaphthylene	40.02	10	µg/L	50	0	80	52	105	41.2	2.91	50	
Acenaphthene	41.47	10	µg/L	50	0	82.9	54	106	43.56	4.92	50	
Dibenzofuran	40.92	10	µg/L	50	0	81.8	56	108	43.19	5.4	50	
Fluorene	41.71	10	µg/L	50	0	83.4	54	107	43.75	4.77	50	
Phenanthrene	43.35	10	µg/L	50	0	86.7	56	109	43.99	1.47	50	
Anthracene	43.79	10	µg/L	50	0	87.6	58	110	43.24	1.26	50	
Fluoranthene	43.7	10	µg/L	50	0	87.4	54	112	43.75	0.114	50	
Pyrene	48.67	10	µg/L	50	0	97.3	58	115	48.91	2.52	50	
Benz(a)anthracene	46.61	10	µg/L	50	0	93.2	57	115	47.1	1.05	50	
Chrysene	52.4	10	µg/L	50	0	105	55	116	50.25	4.19	50	
Benzo(b)fluoranthene	60.77	10	µg/L	50	0	102	54	116	46.16	9.51	50	
Benzo(k)fluoranthene	57.1	10	µg/L	50	0	114	54	117	58.63	0.827	50	
Benzo(a)pyrene	51.59	10	µg/L	50	0	103	53	114	51.07	1.01	50	
Dibenz(a,h)anthracene	53.53	10	µg/L	50	0	107	55	116	51.24	4.37	50	
Indeno(1,2,3-cd)pyrene	53.58	10	µg/L	50	0	107	53	117	52.18	2.63	50	
Benzo(g,h,i)perylene	54.34	10	µg/L	50	0	108	57	115	52.44	3.56	50	
Surr: Nitrobenzene-d5	44.26	1.0	µg/L	50	0	88.5	42	117	0	0	0	
Surr: 2-Fluorobiphenyl	42.46	1.0	µg/L	50	0	84.9	50	107	0	0	0	
Surr: 4-Terphenyl-d14	47.92	1.0	µg/L	50	0	95.8	37	125	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits NA - Not applicable where J values or ND results occur
 RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

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