ENVIRONMENTAL CONSULTING & MANAGEMENT
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August 3, 2010

Ms. Shelly Puleo
US Environmental Protection Agency
Industrial NPDES Permits (CIP)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Notice of Intent for the Remediation General Permit
ExxonMobil Everett Terminal
Everett, Massachusetts

Dear Ms. Puleo:

On behalf of ExxonMobil, Roux Associates Inc. (Roux Associates) respectfully submits this National Pollution Discharge Elimination System (NPDES) Remediation General Permit (RGP) Notice of Intent (NOI) for proposed dewatering measures associated with the investigation and excavation activities at three areas of Terminal located in Everett, Massachusetts (hereafter referred to as the Site or Terminal). The location of the Terminal is shown on Figure 1. The Terminal is a listed Massachusetts Department of Environmental Protection (MassDEP) disposal site (Release Tracking Number 3-0310). Response and/or Remedial Actions conducted at the Terminal are being performed in accordance with the Massachusetts Contingency Plan (MCP). Dewatering measures will be necessary to complete proposed excavation activities. It is expected that petroleum impacted groundwater will be encountered during excavation activities. The impacted groundwater will be treated before being discharged to the Terminal's stormwater collection system. The treatment system will generally consist of bag filters, granulated activated carbon, and cartridge filters as shown on the attached System Schematic (Figure 2). The Terminal's stormwater collection system ultimately discharges to the Island End River under general NPDES Permit #MA0000833.

The following information is attached in support of this NOI:

Attachment 1: Suggested Form for Notice of Intent (NOI) for the Remediation General Permit;

Attachment 2: Site Location Map (with discharge location); System Schematic; and Site Plan;

Attachment 3: NOI Sampling Summary Table; and

Attachment 4: Laboratory Reports

If you have any questions or comments regarding the attached NOI, please do not hesitate to contact the undersigned at (781) 270-6600.

Sincerely,

ROUX ASSOCIATES, INC.

Jeffrey LaCroix
Senior Geologist/Project Manager

cc: Julius Ofurie, Everett City Engineer
Tom Aruta, ExxonMobil Environmental Services
Arthur Powers, ExxonMobil Pipeline Company
John Thompson, Woodard & Curran

ATTACHMENTS

ATTACHMENT 1

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

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 person[1] 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 owner[2] (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 owner[2] (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

[1] Defined in 40 CFR 122.2.

[2] For 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.

coverage.

- *"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 freshwater[3], 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

[3]Dilution 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.

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.

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 = [(Qd + Qs)/Qd] X 0.9

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, 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**: ExxonMobil Everett Terminal		**Facility/site** address:		
Location of **facility/site**: longitude: 71deg 03' 38" latitude: 42deg 23' 48"	Facility SIC code(s): 5171	Street: 52 Beacham Street		
b) Name of **facility/site owner:** ExxonMobil (Contact: Arthur Powers)		Town: Everett		
Email address of owner: arthur.f.powers@exxonmobil.com		State: MA	Zip: 02149	County: Middlesex
Telephone no.of facility/site **owner**: 617-381-2802				
Fax no. of facility/site **owner**: 671-381-2954		**Owner** is (check one): 1. Federal____ 2. State/Tribal____ 3. Private__✔___ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 800 Bell Street				
Town: Houston	State: TX	Zip: 77002	County: Harris County	
c) Legal name of **operator**: Roux Associates, Inc.	**Operator** telephone no: 781-270-6600			
	Operator fax no.: 781-270-9066		**Operator** email: jlacroix@rouxinc.com	
Operator contact name and title: Jeffrey LaCroix, Senior Geologist/Project Manager				
Address of **operator** (if different from owner):	Street: 67 South Bedford Street, Suite 101W			
Town: Burlington	State: MA	Zip: 01803	County: Middlesex	

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: MassDEP RTN 3-0310 2. permit or license # assigned: 83095 3. state agency contact information: name, location, and telephone number: MassDEP, Northeast Region, 205B Lowell Street, Wilmington, MA (978)694-3200	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: MA0000833 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:

ExxonMobil proposes to discharge treated groundwater generated by remedial activities at three areas located in the North Tank Farm of the Everett Terminal including: Area 1) the area around the existing oil/water separator; Area 2) the waste storage area; and Area 3) the northern portion of the North Tank Farm (Area 3) (see Plate 1). Treated groundwater will be discharged to the facility's existing stormwater collection system. Stormwater from the Terminal flows through an oil/water separation system and is then discharged to the Island End River (outfall #001) under general NPDES Permit No. MA0000833.

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 401 (50 gal/min) Average flow 201 (25 gal/min) 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.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 70deg02'59" lat. 40deg23'40"; 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.

4) If hydrostatic testing, total volume of the discharge (gals): Not Applicable	5) Is the discharge intermittent ✔ or seasonal ___? Is discharge ongoing Yes___ No ✔?__

c) Expected dates of discharge (mm/dd/yy): start 07/01/10 end 12/31/12

d) Please attach a line drawing or flow schematic showing water flow through the facility including: See Figures 1 and 2 and Plate 1
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 Sampling Summary Table and associated Laboratory Reports are attached.

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		✔	7	grab	SM 2540D	5000 ug/l	110,000	10,000	36,900	1,677
2. Total Residual Chlorine	✔		7	grab	SM 4500	20 ug/l	ND (<20)	NA	ND (<20)	NA
3. Total Petroleum Hydrocarbons		✔	NS	NA	NA	NA	NA	NA	NA	NA
4. Cyanide	✔		7	grab	L204001A	10 ug/l	ND (<10)	NA	ND (<10)	NA
5. Benzene		✔	7	grab	8260B	0.74 ug/l	1,300	118	286	13
6. Toluene		✔	7	grab	8260B	0.56 ug/l	440	40	73.4	3.3
7. Ethylbenzene		✔	7	grab	8260B	0.67 ug/l	340	31	58	2.6
8. (m,p,o) Xylenes		✔	7	grab	8260B	1.21 ug/l	630	57	122.6	5.6
9. Total BTEX[4]		✔	7	grab	8260B	3.18 ug/l	2,710	246	539	25

[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 [5] (1,2- Dibromo-methane)	✔		7	grab	8011	0.0071ug/l	ND (<0.0071)	NA	ND (<0.0071)	NA
11. Methyl-tert-Butyl Ether (MtBE)	✔		7	grab	8260B	0.63 ug/l	ND (<1.4)	NA	ND (<1.4)	NA
12. tert-Butyl Alcohol (TBA)		✔	7	grab	8260B	8.5 ug/l	1,000	91	213.6	10
13. tert-Amyl Methyl Ether (TAME)	✔		7	grab	8260B	0.61 ug/l	ND (<0.61)	NA	ND (<0.61)	NA
14. Naphthalene		✔	7	grab	8270C	0.045 ug/l	9.4	0.9	2.6	0.1
15. Carbon Tetra-chloride	✔		7	grab	8260B	0.71 ug/l	ND (<0.71)	NA	ND (<0.71)	NA
16. 1,4 Dichlorobenzene	✔		7	grab	8260B	0.62 ug/l	ND (<0.62)	NA	ND (<0.62)	NA
17. 1,2 Dichlorobenzene	✔		7	grab	8260B	0.62 ug/l	ND (<0.62)	NA	ND (<0.62)	NA
18. 1,3 Dichlorobenzene	✔		7	grab	8260B	0.64 ug/l	ND (<0.64)	NA	ND (<0.64)	NA
19. 1,1 Dichloroethane	✔		7	grab	8260B	0.67 ug/l	ND (<0.67)	NA	ND (<0.67)	NA
20. 1,2 Dichloroethane	✔		7	grab	8260B	0.62 ug/l	ND (<0.62)	NA	ND (<0.62)	NA
21. 1,1 Dichloroethylene	✔		7	grab	8260B	0.64 ug/l	ND (<0.64)	NA	ND (<0.64)	NA
22. cis-1,2 Dichloro-ethylene	✔		7	grab	8260B	0.65 ug/l	ND (<0.65)	NA	ND (<0.65)	NA
23. Dichloromethane (Methylene Chloride)	✔		7	grab	8260B	1 ug/l	ND (<1)	NA	ND (<1)	NA
24. Tetrachloroethylene	✔		7	grab	8260B	0.48 ug/l	ND (<0.48)	NA	ND (<0.48)	NA

[5] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

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	✔		7	grab	8260B	0.7 ug/l	ND (<0.7)	NA	ND (<0.7)	NA
26. 1,1,2 Trichloroethane	✔		7	grab	8260B	0.72 ug/l	ND (<0.72)	NA	ND (<0.72)	NA
27. Trichloroethylene	✔		7	grab	8260B	0.59 ug/l	ND (<0.59)	NA	ND (<0.59)	NA
28. Vinyl Chloride	✔		7	grab	8260B	0.46 ug/l	ND (<0.46)	NA	ND (<0.46)	NA
29. Acetone	✔		7	grab	8260B	20 ug/l	ND (<20)	NA	ND (<20)	NA
30. 1,4 Dioxane	✔		7	grab	8260B	7.7 ug/l	ND (<7.7)	NA	ND (<7.7)	NA
31. Total Phenols		✔	7	grab	8270C	NA	4.7	0.4	1.5	0.07
32. Pentachlorophenol	✔		7	grab	8270C	0.45 ug/l	ND (<0.45)	NA	ND (<0.45)	NA
33. Total Phthalates [6] (Phthalate esthers)		✔	7	grab	8270C	NA	2.33	0.2	1.1	0.05
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✔		7	grab	8270C	0.45 ug/l	ND (<0.45)	NA	ND (<0.45)	NA
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✔		7	grab	8270C	NA	ND	NA	ND	NA
a. Benzo(a) Anthracene	✔		7	grab	8270C	0.15 ug/l	ND (<0.15)	NA	ND (<0.15)	NA
b. Benzo(a) Pyrene	✔		7	grab	8270C	0.094 ug/l	ND (<0.094)	NA	ND (<0.094)	NA
c. Benzo(b)Fluoranthene	✔		7	grab	8270C	0.13 ug/l	ND (<0.13)	NA	ND (<0.13)	NA
d. Benzo(k) Fluoranthene	✔		7	grab	8270C	0.15 ug/l	ND (<0.15)	NA	ND (<0.15)	NA
e. Chrysene	✔		7	grab	8270C	0.15 ug/l	ND (<0.15)	NA	ND (<0.15)	NA

[6] The sum of individual phthalate compounds.

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		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✔		7	grab	8270C	0.058 ug/l	ND (<0.058)	NA	ND (<0.058)	NA
g. Indeno(1,2,3-cd) Pyrene	✔		7	grab	8270C	0.072 ug/l	ND (<0.072)	NA	ND (<0.072)	NA
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		✔	7	grab	8270C	NA	18.7	1.7	7.7	0.4
h. Acenaphthene		✔	7	grab	8270C	0.46 ug/l	4.2	0.4	2.9	0.1
i. Acenaphthylene	✔		7	grab	8270C	0.46 ug/l	ND (<0.46)	NA	ND (<0.46)	NA
j. Anthracene		✔	7	grab	8270C	0.65 ug/l	0.75	0.1	0.8	0.04
k. Benzo(ghi) Perylene	✔		7	grab	8270C	0.87 ug/l	ND (<0.87)	NA	ND (<0.87)	NA
l. Fluoranthene		✔	7	grab	8270C	1.8 ug/l	0.24	0.02	0.9	0.04
m. Fluorene		✔	7	grab	8270C	0.46 ug/l	3.3	0.3	1.5	0.07
n. Naphthalene-		✔	7	grab	8270C	0.46 ug/l	9.4	0.9	2.6	0.1
o. Phenanthrene		✔	7	grab	8270C	0.79 ug/l	2.3	0.2	1.1	0.05
p. Pyrene		✔	7	grab	8270C	1.7 ug/l	0.28	0.03	0.8	0.04
37. Total Polychlorinated Biphenyls (PCBs)	✔		7	grab	608	2.02 ug/l	ND (<2.02)	NA	ND (<2.02)	NA
***3*8. Antimony**		✔	7	grab	200.7	2.9 ug/l	2.9	0.3	1.3	0.06
39. Arsenic		✔	7	grab	200.7	2.3 ug/l	11	1	4.4	0.2
40. Cadmium		✔	7	grab	200.7	0.2 ug/l	0.36	0.03	0.7	0.03
41. Chromium III	✔		0	NA	NA	NA	NA	NA	NA	NA
42. Chromium VI	✔		7	grab	7196A	5 ug/l	ND (<5)	NA	ND (<5)	NA

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)
43. Copper		✔	7	grab	200.7	1.7 ug/l	35	3.2	11	0.5
44. Lead		✔	7	grab	200.7	1.3 ug/l	1,100	100	291	13
45. Mercury	✔		7	grab	245.1	0.065 ug/l	ND (<0.065)	NA	ND (<0.065)	NA
46. Nickel		✔	7	grab	200.7	1.5 ug/l	13	1.2	6.4	0.3
47. Selenium		✔	7	grab	200.7	2.7 ug/l	4.8	0.4	1.5	0.07
48. Silver	✔		7	grab	200.7	1.8 ug/l	ND (<1.8)	NA	ND (<1.8)	NA
49. Zinc		✔	7	grab	200.7	10 ug/l	170	15	45.9	2.1
50. Iron		✔	7	grab	200.7	34 ug/l	18,000	1,636	8,169	371
Other (describe):										

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

Step 1: 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____	If yes, which metals? Arsenic, Cadmium, Copper, Iron, Lead
Step 2: 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: There is no dilution factor for salt water bodies DF: NA	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: NA - No dilution factor

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: See attached Figure 2						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✔	Air stripper	Oil/water separator ✔	Equalization tanks	Bag filter ✔	GAC filter ✔
	Chlorination	Dechlorination	Other (please describe): Oil/water separator will only be used on an as needed basis			
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 25 Maximum flow rate of treatment system 50 Design flow rate of treatment system 50						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): No Additives Proposed						

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

a) Identify the discharge pathway:	Direct	Within facility	Storm drain ✔	River/brook	Wetlands	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: After treatment, water will be pumped to the on-site stormwater system, an oil/water separator, a large stilling tank and ultimately to the Island End River.						
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 dischargers, 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 NA - Tidally influenced 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 Is there a TMDL? Yes ✔ No If yes, for which pollutant(s)? priority organics, unionized ammonia, other inorganics, organic enrichment/Low DO, pathogens, oil and grease, taste, odor and color.						

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 ? Yes___ 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.

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:

Operator signature:

Title:

Date:

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
Shelly Puleo
Industrial NPDES Permits (CIP),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

or electronically mailed to NPDES.Generalpermits@epa.gov,
or faxed to the EPA Office at 617-918-2064.

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:

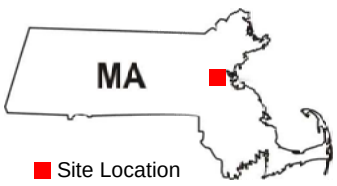
New Hampshire Department of Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095.

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

ATTACHMENT 2

Site Location Map (with discharge location); System Schematic; and Site Plan

QUADRANGLE LOCATION



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SOURCE:
USGS: 1985, Boston North, Massachusetts
7.5 X15 Minute Topographic Quadrangle
Contour Interval 3 Meters

0 1,000 2,000 Feet

Title:

SITE LOCATION MAP

EXXONMOBIL EVERETT TERMINAL
52 BEACHAM STREET
EVERETT, MASSACHUSETTS

Prepared For:
ExxonMobil

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled By: JH	Date: 6/2/10	FIGURE
Prepared By: CC	Scale: AS SHOWN	1
Project Mgr.: JL	Office: MA	
File No.: MC8211701	Project: 172182M03	

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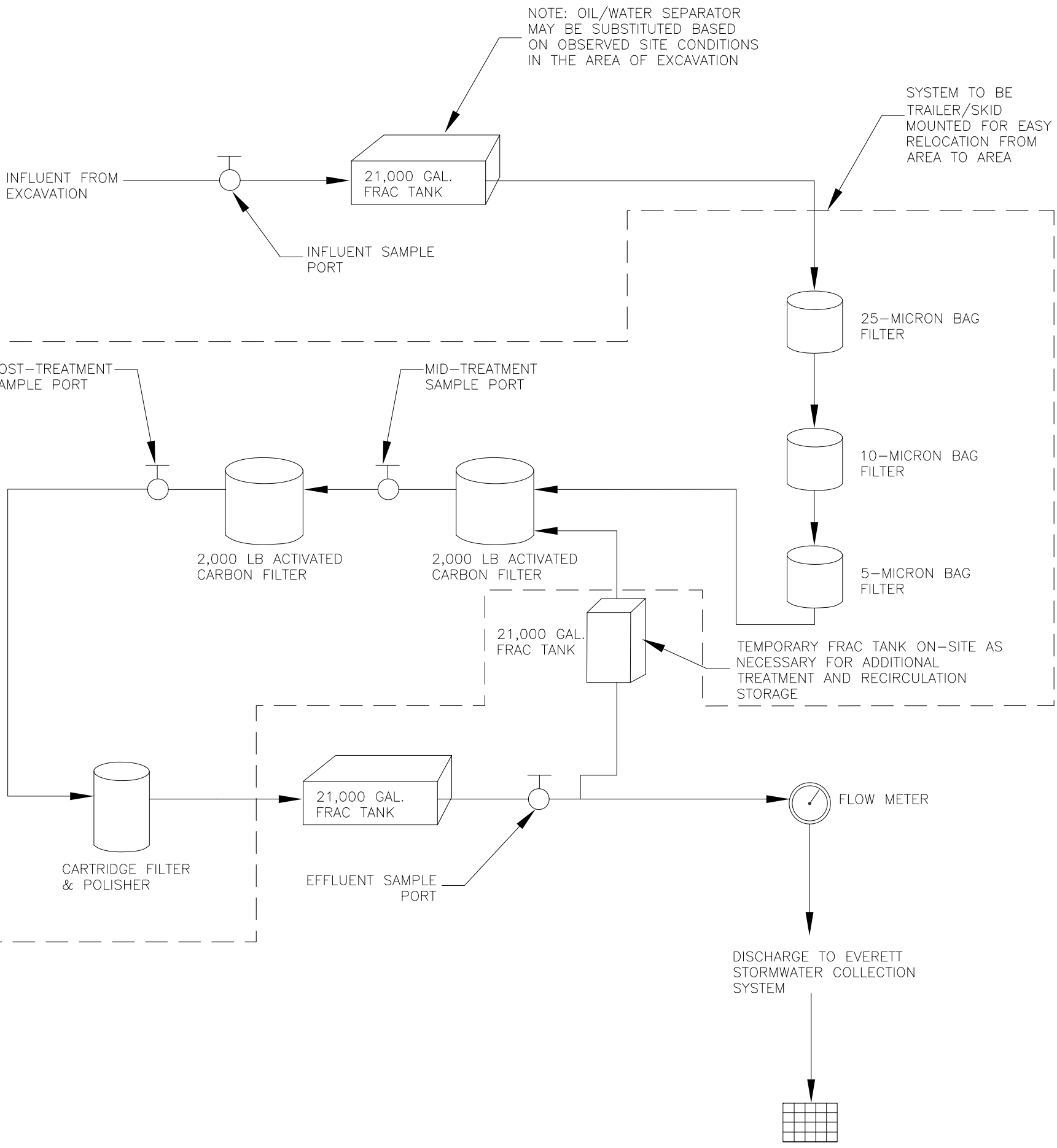

DRAFT

NOT TO SCALE

NOTES:

1. SYSTEM TO BE DESIGNED TO HANDLE MAXIMUM FLOW RATE OF 50 GALLONS PER MINUTE (401 FT^3/s)

2. SYSTEM TO BE DESIGNED TO REMOVE PRIMARILY PETROLEUM HYDROCARBONS AND METALS

3. SYSTEM WILL DISCHARGE TO THE EVERETT TERMINAL STORMWATER COLLECTION SYSTEM WHICH DISCHARGES TO THE ISLAND END RIVER UNDER GENERAL NPDES PERMIT NO. MA0000833

LEGEND:

SAMPLE PORT

STORMWATER COLLECTION SYSTEM CATCH BASIN

Title:

SYSTEM SKEMATIC FOR NOTICE OF INTENT

EXXONMOBIL EVERETT TERMINAL
52 BEACHHAM STREET
EVERETT, MASSACHUSETTS

Prepared For:

ExxonMobil

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: JH	Date: 6/2/10	FIGURE
Prepared by: CC	Scale: AS SHOWN	2
Project Mgr: JH	Office: MA	
File No: MC18211703	Project: 172182M03	

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AREA 3
NORTHERN PORTION OF
NORTH TANK FARM

AREA 1
AREA AROUND THE EXISTING
OIL/WATER SEPARATOR

PROPOSED STORMWATER TREATMENT
SYSTEM (STS) BUILDING LOCATION

AREA 2
WASTE STORAGE AREA

NOTE:
REMEDIAL DISCHARGES IN EACH OF THE AREAS WILL BE DIRECTLY TO NEAR BY CATCH BASIN STORM DRAINS. ALL OF THE STORM DRAINS ARE CONNECTED TO THE TERMINAL'S STORM WATER TREATMENT SYSTEM WHICH ULTIMATELY DISCHARGED TO THE ISLAND END RIVER UNDER GENERAL NPDED PERMIT NO. MA0000833.

SOURCE:
BASE MAP OBTAINED FROM SHAW ENVIRONMENTAL DRAWING ENTITLED CURRENT SITE CONDITIONS MAP, DATED 11/28/07

LEGEND

- PROPERTY LINE
- ASPHALT PRODUCTION OPERATION AREA SOLD BY EXXONMOBIL IN 2001
- ABOVEGROUND PIPE LINE
- UNDERGROUND PIPE LINE
- TK-120 TANK 120
- CURRENT MONITORING WELL LOCATION
- SUMP (DRAINAGE STRUCTURE)
- STS-MW-1 THROUGH STS-MW-7; GROUND WATER MONITORING WELLS INSTALLED IN MARCH 2010
- NOI AREAS

DRAFT

SCALE

120' 0 120'

Title:

SITE PLAN FOR NOTICE OF INTENT

EXXONMOBIL TERMINAL
NORTH AND SOUTH TANK FARMS
EVERETT, MASSACHUSETTS

Prepared For:
ExxonMobil

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: JH	Date: 6/2/10	PLATE
Prepared by: CC	Scale: AS SHOWN	1
Project Mgr: JL	Office: MA	
File No: MC18211702	Project: 172182M03	

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ATTACHMENT 3

NOI Sampling Summary Table

NOI SAMPLING SUMMARY TABLE
ExxonMobil Everett Terminal

Parameter	Units	STS-MW-1 4/6/2010	STS-MW-2 4/7/2010	STS-MW-3 4/6/2010	STS-MW-4 4/5/2010	HP-MW-1 4/6/2010	O22M 4/5/2010	WSA-MW-05 4/6/2010	Maximum Concentration	Average Concentration	Effluent Limit
Volatile Organic Compounds (VOC) - 8260B											
Benzene	ug/L	<1.0	<1.0	<1.0	<1.0	**230**	**470**	**1,300**	**1,300**	**286**	5
Toluene	ug/L	<1.0	<1.0	<1.0	<1.0	**25**	**45**	**440**	**440**	**73.4**	NL
Ethylbenzene	ug/L	<1.0	<1.0	<1.0	<1.0	**11**	**51**	**340**	**340**	**58**	NL
O-xylene	ug/L	<1.0	**0.75 J**	<1.0	**0.74 J**	**22**	**36**	**310**	**310**	**53.07**	NL
Total xylenes	ug/L	<2.0	**0.75 J**	<2.0	**0.74 J**	**49**	**176**	**630**	**630**	**122.6**	NL
Total BTEX	ug/L	<5	**0.75 J**	<5	**0.74 J**	**315**	**742**	**2,710**	**2,710**	**539**	100
Tert-butyl Alcohol	ug/L	<50	<50	<50	<50	<500	**490 J**	**1,000**	**1,000**	**213.6**	NL
Semivolatile Organic Compounds (SVOC) - 8270C											
2,4-Dimethylphenol	ug/L	<4.5	<4.5	<4.7	<4.5	<45	**4.7 J**	<4.5	**4.7**	**1.5**	NL
3&4 Methylphenol	ug/L	**0.55 J**	<4.5	<4.7	<4.5	<45	<46	<4.5	**0.55**	**0.9**	NL
Acenaphthene	ug/L	**0.26 J**	**4.2**	<0.94	**0.16 J**	**1.8 J**	**1.2 J**	**0.62 J**	**4.2**	**2.9**	NL
Anthracene	ug/L	**0.12 J**	**0.75 J**	<0.94	<0.91	<9.1	<9.3	<0.91	**0.75**	**0.8**	NL
Butyl benzyl phthalate	ug/L	<4.5	<4.5	**1.7 J**	<4.5	<45	<46	<4.5	**1.7**	**1.1**	NL
Di-n-butyl phalate	ug/L	**0.9 J B**	<4.5	**0.63 J B**	**0.86 J B**	<45	<46	**0.64 J B**	**0.9**	**0.9**	NL
Flouranthene	ug/L	<0.91	**0.24 J**	<0.94	<0.91	<9.1	<9.3	<0.91	**0.24**	**0.9**	NL
Flourene	ug/L	**0.34 J**	**3.3**	<0.94	<0.91	**1.9 J**	**1.9 J**	<0.91	**3.3**	**1.5**	NL
Naphthalene	ug/L	**0.23 J**	<0.91	<0.94	<0.91	<9.1	**4.7 J**	**9.4**	**9.4**	**2.6**	20
Phenanthrene	ug/L	**0.56 J**	**2.3**	<0.19	<0.18	**1.3 J**	<1.9	**0.47**	**2.3**	**1.1**	NL
Phenol	ug/L	**1.7 J**	<4.5	<4.7	<4.5	<45	**6.2 J ***	<4.5	**6.2**	**1.8**	NL
Pyrene	ug/L	**0.23 J**	**0.28 J**	<4.7	<4.5	<45	<46	<4.5	**0.28**	**0.8**	NL
Total Group II PAH	ug/L	**4.89**	**11.07**	**2.33**	**1.02**	**5**	**18.7**	**11.13**	**18.7**	**7.7**	100
Total Phalates	ug/L	**0.9**	<9	**2.33**	**0.86**	<90	<92	**0.64**	**2.33**	**1.1**	3
Total Phenols	ug/L	**0.55**	<9	<9.4	<9	<90	**4.7**	<9	**4.7**	**1.5**	300
Metals - 200.7 Rev 4.4											
Arsenic	ug/L	**3 J**	<10	**4.7 J**	<10	**6.4 J**	**11**	**3.5 J**	**11**	**4.4**	10
Cadmium	ug/L	**0.32 J**	**0.36 J**	<1.0	<1.0	<1.0	**0.24 J**	<1.0	**0.36**	**0.7**	0.2
Chromium	ug/L	**2.1 J**	<5.0	<5.0	**4.7 J B**	<5.0	**13 B**	**2.1 J**	**13**	**3.6**	48.8
Copper	ug/L	**35**	**8.8 J**	**10**	**6.3 J**	<10	**14**	**1.8 J**	**35**	**11**	5.2
Iron	ug/L	**1,300**	**16,000**	**180**	**7,900**	**10,000**	**18,000**	**3,800**	**18,000**	**8,169**	1,000
Nickel	ug/L	**8.9 J**	**3.0 J**	**10**	**4.2 J**	**1.7 J**	**13**	**3.9 J**	**13**	**6.4**	29
Lead	ug/L	**35**	**4.6 J**	**52**	**830**	**7.7**	**1,100**	**8.2**	**1,100**	**291**	1.3
Antimony	ug/L	<6.0	<6.0	**2.9 J**	<6.0	<6.0	<6.0	<6.0	**2.9**	**1.3**	5.6
Selenium	ug/L	<10	<10	**4.8 J**	<10	<10	<10	<10	**4.8**	**1.5**	5
Zinc	ug/L	**73**	**22 J**	**170**	**20 J**	<50	**34 J**	<50	**170**	**45.9**	66.6
General Chemistry											
Phenols, Total	mg/L	<0.0076	**0.0077**	**0.067**	<0.0076	**0.048**	**0.32**	**0.55**	**0.55**	**0.4**	NL
Total Suspended Solids	mg/L	**43**	**28**	<5	**42**	**22**	**110**	**12**	**110**	**36.9**	30
pH	S.U.	**7.72**	**6.72**	**7.03**	**6.9**	**7.08**	**6.97**	**7.26**	**7.72**	**7.1**	NL

Notes:

Only detected parameters are displayed in this table

Effluent Limits are from the EPA General Remediation Permit, Appendix III - Effluent Limitations

ug/L = micrograms per liter

mg/L = milligrams per liter

S.U. = standard units

J = concentration is an approximate value

B = compound was found in the blank and sample

< indicates the result is less than the laboratory reporting limit

* indicates LCS or LCSN exceeds the control limits

Bold indicates the parameter was detected above the laboratory limit

Highlighted cells indicate an exceedance of the applicable effluent limit

Non-detected compounds are assumed to be 1 for average concentration calculation

ATTACHMENT 4

Laboratory Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-27565-1

Job Description: Everett Terminal/MA

For:
Roux Associates, Inc.
67 South Bedford St
Suite 101W
Burlington, MA 01803

Attention: Mr. Jeff Lacroix

Approved for release.
Joe Chimi
Report Production Representative
4/19/10 2:25 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
04/19/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Table of Contents

CASE NARRATIVE

Client: Roux Associates, Inc.

Project: Everett Terminal/MA

Report Number: 360-27565-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/05/2010; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 5.6 and 6.0 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-27565-1 through 360-27565-3 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/13/2010 and 04/15/2010.

Sample 360-27565-2(20X) required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-27565-1 and 360-27565-2 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 04/12/2010 and analyzed on 04/15/2010.

Di-n-butyl phthalate was detected in method blank MB 360-56946/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Phenol-d5 failed the surrogate recovery criteria low for LCSD 360-56946/3-A. Refer to the QC report for details. Per method SOP, re-extraction is only required if two or more surrogates from any one fraction fail or any single surrogate falls below 10%.

4-Nitrophenol and Phenol failed the recovery criteria low for LCS 360-56946/2-A and LCSD 360-56946/3-A. Refer to the QC report for details.

Sample 360-27565-2(10X) required dilution prior to analysis due to the sample’s oily extract. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples 360-27565-1 and 360-27565-2 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 04/09/2010 and 04/13/2010 and analyzed on 04/12/2010 and 04/14/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 360-27565-2. Refer to the QC report for details. The sample was re-extracted with surrogate recoveries within control limits. The re-extraction was performed outside of holding time. Both sets of results are reported herein.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY
Samples 360-27565-1 and 360-27565-2 were analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The samples were prepared and analyzed on 04/16/2010.

No difficulties were encountered during the EDB and DBCP analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS
Samples 360-27565-1 and 360-27565-2 were analyzed for total metals in accordance with EPA Method 200.7. The samples were prepared and analyzed on 04/06/2010.

Chromium was detected in method blank MB 360-56661/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the total metals analyses.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 360-27565-1 and 360-27565-2 were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/07/2010 and analyzed on 04/08/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

HEM AND SGT-HEM
Samples 360-27565-1 and 360-27565-2 were analyzed for HEM and SGT-HEM in accordance with EPA Method 1664A. The samples were prepared on 04/12/2010 and analyzed on 04/12/2010 and 04/14/2010.

This analysis was performed at TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484.

Sample 360-27565-1 prep batch 500-83716, analytical batch 500-83717
(analyzed as HEM, since sample 360-27565-1 was non-detect for HEM and did not require silica gel treatment)
MB 0.8 mg/L 5.0 mg/L RL
LCS Observed 34.5 mg/L True value 40 mg/L 86% recovery limits 78-114%
LCSD Observed 34.7 mg/L True value 40 mg/L 87% recovery limits 78-114%

SGT-HEM was detected in method blank MB 500-83716/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the HEM and SGT-HEM analyses.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples 360-27565-1 and 360-27565-2 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 04/06/2010.

No difficulties were encountered during the hexavalent chromium analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples 360-27565-1 and 360-27565-2 were analyzed for total cyanide in accordance with LACHAT 210-00-1-A. The samples were prepared and analyzed on 04/08/2010.

No difficulties were encountered during the total cyanide analyses.

All quality control parameters were within the acceptance limits.

TOTAL PHENOLS
Samples 360-27565-1 and 360-27565-2 were analyzed for total phenols in accordance with LACHAT 210-00-1-A. The samples were prepared and analyzed on 04/14/2010.

Phenols, Total failed the recovery criteria high for the MS of sample 360-27565-2 in batch 360-27060. The associated LCS recovered within control limits. Refer to the QC report for details.

No other difficulties were encountered during the total phenols analyses.

All other quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS
Samples 360-27565-1 and 360-27565-2 were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 04/06/2010.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

CHLORINE RESIDUAL
Samples 360-27565-1 and 360-27565-2 were analyzed for Chlorine Residual in accordance with SM 4500Cl F. The samples were analyzed on 04/06/2010.

No difficulties were encountered during the Res. Chlorine analyses.

All quality control parameters were within the acceptance limits.

PH
Samples 360-27565-1 and 360-27565-2 were analyzed for pH in accordance with SM 4500 H+. The samples were analyzed on 04/06/2010.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-27565-1	**STS-MW-4**					
o-Xylene		0.74	J	1.0	ug/L	8260B
Acenaphthene		0.16	J	0.91	ug/L	8270C LL
Di-n-butyl phthalate		0.86	J B	4.5	ug/L	8270C LL
Chromium		4.7	J B	5.0	ug/L	200.7 Rev 4.4
Copper		6.3	J	10	ug/L	200.7 Rev 4.4
Iron		7900		100	ug/L	200.7 Rev 4.4
Nickel		4.2	J	10	ug/L	200.7 Rev 4.4
Lead		830		5.0	ug/L	200.7 Rev 4.4
Zinc		20	J	50	ug/L	200.7 Rev 4.4
Mercury		0.097	J	0.20	ug/L	245.1
SGT-HEM		1.6	J	4.7	mg/L	1664A
Total Suspended Solids		42		5.0	mg/L	SM 2540D
pH		6.90	HF	0.100	SU	SM 4500 H+ B
360-27565-2	**O22M**					
Benzene		470		20	ug/L	8260B
Toluene		45		20	ug/L	8260B
Ethylbenzene		51		20	ug/L	8260B
o-Xylene		36		20	ug/L	8260B
m-Xylene & p-Xylene		140		40	ug/L	8260B
Butyl alcohol, tert-		490	J	1000	ug/L	8260B
2,4-Dimethylphenol		4.7	J	46	ug/L	8270C LL
Acenaphthene		1.2	J	9.3	ug/L	8270C LL
Fluorene		1.9	J	9.3	ug/L	8270C LL
Naphthalene		4.7	J	9.3	ug/L	8270C LL
Phenol		6.2	J *	46	ug/L	8270C LL
Arsenic		11		10	ug/L	200.7 Rev 4.4
Cadmium		0.24	J	1.0	ug/L	200.7 Rev 4.4
Chromium		13	B	5.0	ug/L	200.7 Rev 4.4
Copper		14		10	ug/L	200.7 Rev 4.4
Iron		18000		100	ug/L	200.7 Rev 4.4
Nickel		13		10	ug/L	200.7 Rev 4.4
Lead		1100		5.0	ug/L	200.7 Rev 4.4
Zinc		34	J	50	ug/L	200.7 Rev 4.4
Mercury		0.15	J	0.20	ug/L	245.1
SGT-HEM		4.4	J B	4.7	mg/L	1664A
Phenols, Total		0.32		0.0070	mg/L	L210-001A
Total Suspended Solids		110		10	mg/L	SM 2540D
pH		6.97	HF	0.100	SU	SM 4500 H+ B

METHOD SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27565-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Organochlorine Pesticides/PCBs in Water	TAL WFD	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		40CFR136A CWA_Prep
EDB, DBCP, and 1,2,3-TCP (GC)	TAL WFD	SW846 8011	
Microextraction	TAL WFD		SW846 8011
Metals (ICP)	TAL WFD	EPA 200.7 Rev 4.4	
Preparation, Total Metals	TAL WFD		EPA 200.7
Mercury (CVAA)	TAL WFD	EPA 245.1	
Preparation, Mercury	TAL WFD		EPA 245.1
HEM and SGT-HEM	TAL CHI	1664A 1664A	
HEM and SGT-HEM (SPE)	TAL CHI		1664A 1664A
Chromium, Hexavalent	TAL WFD	SW846 7196A	
Cyanide, Total	TAL WFD	LACHAT L204001A CN	
Distillation, Cyanide	TAL WFD		Distill/CN
Phenolics, Total Recoverable	TAL WFD	LACHAT L210-001A	
Distillation, Phenolics	TAL WFD		Distill/Phenol
Solids, Total Suspended (TSS)	TAL WFD	SM SM 2540D	
Chlorine, Residual	TAL WFD	SM SM 4500 Cl F	
pH	TAL WFD	SM SM 4500 H+ B	

Lab References:

TAL CHI = TestAmerica Chicago

TAL WFD = TestAmerica Westfield

Method References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

LACHAT = LACHAT

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method	Analyst	Analyst ID
SW846 8260B	Pham, Tam	TP
SW846 8270C LL	Sullivan, Pat J	PJS
40CFR136A 608	Sullivan, Pat J	PJS
SW846 8011	Sullivan, Pat J	PJS
EPA 200.7 Rev 4.4	Smith, Tim J	TJS
EPA 245.1	Smith, Tim J	TJS
1664A 1664A	Brogan, Mary T	MTB
SW846 7196A	Emerich, Rich W	RWE
LACHAT L204001A CN	Lalashius, Andrew L	ALL
LACHAT L210-001A	Lalashius, Andrew L	ALL
SM SM 2540D	Lalashius, Andrew L	ALL
SM SM 4500 Cl F	Benoit, Gary R	GRB
SM SM 4500 H+ B	Emerich, Rich W	RWE

SAMPLE SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-27565-1	STS-MW-4	Ground Water	04/05/2010 1150	04/05/2010 1800
360-27565-2	O22M	Ground Water	04/05/2010 1350	04/05/2010 1800
360-27565-3TB	TRIP BLANK	Water	04/05/2010 1150	04/05/2010 1800

SAMPLE RESULTS

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57016	Instrument ID: Agilent#2 GC/MS
Preparation:	5030B		Lab File ID: V10955.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	04/13/2010 2142		Final Weight/Volume: 5 mL
Date Prepared:	04/13/2010 2142		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	0.74	J	0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	117		70 - 130
Dibromofluoromethane	99		70 - 130
Toluene-d8 (Surr)	118		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57068	Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B		Lab File ID:	V10993.D
Dilution:	20		Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0014		Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0014			

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	470		15	20
Toluene	45		11	20
Ethylbenzene	51		13	20
o-Xylene	36		11	20
m-Xylene & p-Xylene	140		27	40
Methyl tert-butyl ether	ND		13	20
Butyl alcohol, tert-	490	J	170	1000
Tert-amyl methyl ether	ND		12	100
Carbon tetrachloride	ND		14	20
1,1,1-Trichloroethane	ND		14	20
1,1,2-Trichloroethane	ND		14	20
1,1-Dichloroethane	ND		13	20
1,1-Dichloroethene	ND		13	20
1,2-Dichlorobenzene	ND		12	20
1,2-Dichloroethane	ND		12	20
1,3-Dichlorobenzene	ND		13	20
1,4-Dioxane	ND		150	1000
1,4-Dichlorobenzene	ND		12	20
Acetone	ND		400	1000
cis-1,2-Dichloroethene	ND		13	20
Methylene Chloride	ND		20	40
Tetrachloroethene	ND		9.6	20
Trichloroethene	ND		12	20
Vinyl chloride	ND		9.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	129		70 - 130
Dibromofluoromethane	105		70 - 130
Toluene-d8 (Surr)	86		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 360-27565-3TB Date Sampled: 04/05/2010 1150
Client Matrix: Water Date Received: 04/05/2010 1800

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57016		Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B			Lab File ID:	V10956.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/13/2010 2203			Final Weight/Volume:	5 mL
Date Prepared:	04/13/2010 2203				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	87		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11628.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	04/15/2010 0140			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.5
2,4,6-Trichlorophenol	ND		0.45	4.5
2,4-Dichlorophenol	ND		0.45	4.5
2,4-Dinitrophenol	ND		0.45	4.5
2,4-Dimethylphenol	ND		0.45	4.5
2-Chlorophenol	ND		0.45	4.5
2-Methylphenol	ND		0.45	4.5
2-Nitrophenol	ND		0.45	4.5
3 & 4 Methylphenol	ND		0.45	4.5
4,6-Dinitro-2-methylphenol	ND		0.45	4.5
4-Chloro-3-methylphenol	ND		0.45	4.5
4-Nitrophenol	ND	*	0.45	4.5
Acenaphthene	0.16	J	0.045	0.91
Acenaphthylene	ND		0.045	0.27
Anthracene	ND		0.064	0.91
Benzo[a]anthracene	ND		0.15	0.27
Benzo[a]pyrene	ND		0.094	0.18
Benzo[b]fluoranthene	ND		0.13	0.27
Benzo[g,h,i]perylene	ND		0.085	0.45
Benzo[k]fluoranthene	ND		0.15	0.27
Bis(2-ethylhexyl) phthalate	ND		0.45	1.8
Butyl benzyl phthalate	ND		0.45	4.5
Chrysene	ND		0.15	0.91
Di-n-butyl phthalate	0.86	J B	0.55	4.5
Di-n-octyl phthalate	ND		0.66	4.5
Dibenz(a,h)anthracene	ND		0.058	0.45
Diethyl phthalate	ND		0.45	4.5
Dimethyl phthalate	ND		0.45	4.5
Fluoranthene	ND		0.18	0.91
Fluorene	ND		0.045	0.91
Indeno[1,2,3-cd]pyrene	ND		0.072	0.45
Naphthalene	ND		0.045	0.91
Pentachlorophenol	ND		0.45	0.91
Phenanthrene	ND		0.077	0.18
Phenol	ND	*	0.45	4.5
Pyrene	ND		0.17	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	80		15 - 110
2-Fluorobiphenyl	71		30 - 130
2-Fluorophenol	28		15 - 110
Phenol-d5	16		15 - 110
Terphenyl-d14	82		30 - 130
Nitrobenzene-d5	70		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11638.D
Dilution:	10			Initial Weight/Volume:	1080 mL
Date Analyzed:	04/15/2010 0644			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		4.6	46
2,4,6-Trichlorophenol	ND		4.6	46
2,4-Dichlorophenol	ND		4.6	46
2,4-Dinitrophenol	ND		4.6	46
2,4-Dimethylphenol	4.7	J	4.6	46
2-Chlorophenol	ND		4.6	46
2-Methylphenol	ND		4.6	46
2-Nitrophenol	ND		4.6	46
3 & 4 Methylphenol	ND		4.6	46
4,6-Dinitro-2-methylphenol	ND		4.6	46
4-Chloro-3-methylphenol	ND		4.6	46
4-Nitrophenol	ND	*	4.6	46
Acenaphthene	1.2	J	0.46	9.3
Acenaphthylene	ND		0.46	2.8
Anthracene	ND		0.65	9.3
Benzo[a]anthracene	ND		1.6	2.8
Benzo[a]pyrene	ND		0.95	1.9
Benzo[b]fluoranthene	ND		1.3	2.8
Benzo[g,h,i]perylene	ND		0.87	4.6
Benzo[k]fluoranthene	ND		1.5	2.8
Bis(2-ethylhexyl) phthalate	ND		4.6	19
Butyl benzyl phthalate	ND		4.6	46
Chrysene	ND		1.5	9.3
Di-n-butyl phthalate	ND		5.6	46
Di-n-octyl phthalate	ND		6.8	46
Dibenz(a,h)anthracene	ND		0.59	4.6
Diethyl phthalate	ND		4.6	46
Dimethyl phthalate	ND		4.6	46
Fluoranthene	ND		1.8	9.3
Fluorene	1.9	J	0.46	9.3
Indeno[1,2,3-cd]pyrene	ND		0.73	4.6
Naphthalene	4.7	J	0.46	9.3
Pentachlorophenol	ND		4.6	9.3
Phenanthrene	ND		0.79	1.9
Phenol	6.2	J *	4.6	46
Pyrene	ND		1.7	46

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	94		15 - 110
2-Fluorobiphenyl	79		30 - 130
2-Fluorophenol	40		15 - 110
Phenol-d5	23		15 - 110
Terphenyl-d14	79		30 - 130
Nitrobenzene-d5	73		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1090 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1224			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.92
PCB-1221	ND		0.40	0.92
PCB-1232	ND		0.31	0.92
PCB-1242	ND		0.17	0.92
PCB-1248	ND		0.35	0.92
PCB-1254	ND		0.31	0.92
PCB-1260	ND		0.23	0.92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		30 - 150
DCB Decachlorobiphenyl	56		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1100 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1248			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.91
PCB-1221	ND		0.40	0.91
PCB-1232	ND		0.31	0.91
PCB-1242	ND		0.16	0.91
PCB-1248	ND		0.35	0.91
PCB-1254	ND		0.31	0.91
PCB-1260	ND		0.23	0.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	63		30 - 150
DCB Decachlorobiphenyl	28	X	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-57083		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56981		Initial Weight/Volume:	1100 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/14/2010 2001	Run Type:	RE	Injection Volume:	2 uL
Date Prepared:	04/13/2010 1109			Result Type:	SECONDARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND	H	0.25	0.91
PCB-1221	ND	H	0.40	0.91
PCB-1232	ND	H	0.31	0.91
PCB-1242	ND	H	0.16	0.91
PCB-1248	ND	H	0.35	0.91
PCB-1254	ND	H	0.31	0.91
PCB-1260	ND	H	0.23	0.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	54		30 - 150
DCB Decachlorobiphenyl	30		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	34.7 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1604			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0071	0.020

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	33.9 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1625			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0072	0.021

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56734		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56661		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/06/2010 1551			Final Weight/Volume:	50 mL
Date Prepared:	04/06/2010 0655				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	ND		2.3	10
Cadmium	ND		0.20	1.0
Chromium	4.7	J B	1.3	5.0
Copper	6.3	J	1.7	10
Iron	7900		34	100
Nickel	4.2	J	1.5	10
Lead	830		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	20	J	10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1222			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.097	J	0.065	0.20

Client: Roux Associates, Inc. Job Number: 360-27565-1

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56734		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56661		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/06/2010 1554			Final Weight/Volume:	50 mL
Date Prepared:	04/06/2010 0659				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	11		2.3	10
Cadmium	0.24	J	0.20	1.0
Chromium	13	B	1.3	5.0
Copper	14		1.7	10
Iron	18000		34	100
Nickel	13		1.5	10
Lead	1100		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	34	J	10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1223			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.15	J	0.065	0.20

General Chemistry

Client Sample ID: **STS-MW-4**

Lab Sample ID: 360-27565-1 Date Sampled: 04/05/2010 1150
Client Matrix: Ground Water Date Received: 04/05/2010 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	1.6	J	mg/L	0.56	4.7	1.0	1664A
Analysis Batch: 500-83717	Date Analyzed: 04/12/2010 1430						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 0910						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56677	Date Analyzed: 04/06/2010 0942						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-56829	Date Analyzed: 04/08/2010 1524						
Prep Batch: 360-56805	Date Prepared: 04/08/2010 1114						
Phenols, Total	ND		mg/L	0.0076	0.0076	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1518						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	42		mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 360-56671	Date Analyzed: 04/06/2010 0916						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56835	Date Analyzed: 04/06/2010 0836						
pH	6.90	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56678	Date Analyzed: 04/06/2010 1031						

General Chemistry

Client Sample ID: **O22M**

Lab Sample ID: 360-27565-2 Date Sampled: 04/05/2010 1350
Client Matrix: Ground Water Date Received: 04/05/2010 1800

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	4.4	J B	mg/L	0.56	4.7	1.0	1664A
Analysis Batch: 500-83882	Date Analyzed: 04/14/2010 1052						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 0928						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56677	Date Analyzed: 04/06/2010 0942						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-56829	Date Analyzed: 04/08/2010 1525						
Prep Batch: 360-56805	Date Prepared: 04/08/2010 1114						
Phenols, Total	0.32		mg/L	0.0070	0.0070	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1521						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	110		mg/L	10	10	1.0	SM 2540D
Analysis Batch: 360-56671	Date Analyzed: 04/06/2010 0916						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56835	Date Analyzed: 04/06/2010 0836						
pH	6.97	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56678	Date Analyzed: 04/06/2010 1039						

DATA REPORTING QUALIFIERS

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	H	Sample was prepped or analyzed beyond the specified holding time
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	HF	Field parameter with a holding time of 15 minutes
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Roux Associates, Inc. Job Number: 360-27565-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-57016					
LCS 360-57016/3	Lab Control Sample	T	Water	8260B	
LCSD 360-57016/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-57016/6	Method Blank	T	Water	8260B	
360-27565-1	STS-MW-4	T	Water	8260B	
360-27565-3TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:360-57068					
LCS 360-57068/3	Lab Control Sample	T	Water	8260B	
LCSD 360-57068/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-57068/6	Method Blank	T	Water	8260B	
360-27565-2	O22M	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 360-56946					
LCS 360-56946/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-56946/1-A	Method Blank	T	Water	3510C	
360-27565-1	STS-MW-4	T	Water	3510C	
360-27565-2	O22M	T	Water	3510C	
Analysis Batch:360-57091					
LCS 360-56946/2-A	Lab Control Sample	T	Water	8270C LL	360-56946
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	360-56946
MB 360-56946/1-A	Method Blank	T	Water	8270C LL	360-56946
360-27565-1	STS-MW-4	T	Water	8270C LL	360-56946
360-27565-2	O22M	T	Water	8270C LL	360-56946

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27565-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-56855					
LCS 360-56855/2-A	Lab Control Sample	T	Water	CWA_Prep	
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	CWA_Prep	
MB 360-56855/1-A	Method Blank	T	Water	CWA_Prep	
360-27565-1	STS-MW-4	T	Water	CWA_Prep	
360-27565-2	O22M	T	Water	CWA_Prep	
Analysis Batch:360-56932					
LCS 360-56855/2-A	Lab Control Sample	T	Water	608	360-56855
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	608	360-56855
MB 360-56855/1-A	Method Blank	T	Water	608	360-56855
360-27565-1	STS-MW-4	T	Water	608	360-56855
360-27565-2	O22M	T	Water	608	360-56855
Prep Batch: 360-56981					
LCS 360-56981/2-A	Lab Control Sample	T	Water	CWA_Prep	
LCSD 360-56981/3-A	Lab Control Sample Duplicate	T	Water	CWA_Prep	
MB 360-56981/1-A	Method Blank	T	Water	CWA_Prep	
360-27565-2RE	O22M	T	Water	CWA_Prep	
Analysis Batch:360-57083					
LCS 360-56981/2-A	Lab Control Sample	T	Water	608	360-56981
LCSD 360-56981/3-A	Lab Control Sample Duplicate	T	Water	608	360-56981
MB 360-56981/1-A	Method Blank	T	Water	608	360-56981
360-27565-2RE	O22M	T	Water	608	360-56981
Prep Batch: 360-57179					
LCS 360-57179/2-A	Lab Control Sample	T	Water	8011	
LCSD 360-57179/3-A	Lab Control Sample Duplicate	T	Water	8011	
MB 360-57179/1-A	Method Blank	T	Water	8011	
360-27565-1	STS-MW-4	T	Water	8011	
360-27565-2	O22M	T	Water	8011	
Analysis Batch:360-57185					
LCS 360-57179/2-A	Lab Control Sample	T	Water	8011	360-57179
LCSD 360-57179/3-A	Lab Control Sample Duplicate	T	Water	8011	360-57179
MB 360-57179/1-A	Method Blank	T	Water	8011	360-57179
360-27565-1	STS-MW-4	T	Water	8011	360-57179
360-27565-2	O22M	T	Water	8011	360-57179

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27565-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-56661					
LCS 360-56661/2-A	Lab Control Sample	T	Water	200.7	
LCSD 360-56661/3-A	Lab Control Sample Duplicate	T	Water	200.7	
MB 360-56661/1-A	Method Blank	T	Water	200.7	
360-27565-1	STS-MW-4	T	Water	200.7	
360-27565-2	O22M	T	Water	200.7	
Analysis Batch:360-56734					
LCS 360-56661/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	360-56661
LCSD 360-56661/3-A	Lab Control Sample Duplicate	T	Water	200.7 Rev 4.4	360-56661
MB 360-56661/1-A	Method Blank	T	Water	200.7 Rev 4.4	360-56661
360-27565-1	STS-MW-4	T	Water	200.7 Rev 4.4	360-56661
360-27565-2	O22M	T	Water	200.7 Rev 4.4	360-56661
Prep Batch: 360-56738					
LCS 360-56738/2-A	Lab Control Sample	T	Water	245.1	
LCSD 360-56738/3-A	Lab Control Sample Duplicate	T	Water	245.1	
MB 360-56738/1-A	Method Blank	T	Water	245.1	
360-27565-1	STS-MW-4	T	Water	245.1	
360-27565-2	O22M	T	Water	245.1	
Analysis Batch:360-56826					
LCS 360-56738/2-A	Lab Control Sample	T	Water	245.1	360-56738
LCSD 360-56738/3-A	Lab Control Sample Duplicate	T	Water	245.1	360-56738
MB 360-56738/1-A	Method Blank	T	Water	245.1	360-56738
360-27565-1	STS-MW-4	T	Water	245.1	360-56738
360-27565-2	O22M	T	Water	245.1	360-56738

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27565-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-56671					
LCS 360-56671/2	Lab Control Sample	T	Water	SM 2540D	
MB 360-56671/1	Method Blank	T	Water	SM 2540D	
360-27565-1	STS-MW-4	T	Water	SM 2540D	
360-27565-2	O22M	T	Water	SM 2540D	
Analysis Batch:360-56677					
LCS 360-56677/10	Lab Control Sample	T	Water	7196A	
LCSD 360-56677/11	Lab Control Sample Duplicate	T	Water	7196A	
MB 360-56677/9	Method Blank	T	Water	7196A	
360-27565-1	STS-MW-4	T	Water	7196A	
360-27565-2	O22M	T	Water	7196A	
Analysis Batch:360-56678					
LCS 360-56678/1	Lab Control Sample	T	Water	SM 4500 H+ B	
360-27565-1	STS-MW-4	T	Water	SM 4500 H+ B	
360-27565-1DU	Duplicate	T	Water	SM 4500 H+ B	
360-27565-2	O22M	T	Water	SM 4500 H+ B	
Prep Batch: 360-56805					
LCS 360-56805/2-A	Lab Control Sample	T	Water	Distill/CN	
MB 360-56805/1-A	Method Blank	T	Water	Distill/CN	
360-27565-1	STS-MW-4	T	Water	Distill/CN	
360-27565-2	O22M	T	Water	Distill/CN	
Analysis Batch:360-56829					
LCS 360-56805/2-A	Lab Control Sample	T	Water	L204001A CN	360-56805
MB 360-56805/1-A	Method Blank	T	Water	L204001A CN	360-56805
360-27565-1	STS-MW-4	T	Water	L204001A CN	360-56805
360-27565-2	O22M	T	Water	L204001A CN	360-56805
Analysis Batch:360-56835					
LCS 360-56835/2	Lab Control Sample	T	Water	SM 4500 Cl F	
LCSD 360-56835/3	Lab Control Sample Duplicate	T	Water	SM 4500 Cl F	
MB 360-56835/1	Method Blank	T	Water	SM 4500 Cl F	
360-27565-1	STS-MW-4	T	Water	SM 4500 Cl F	
360-27565-1MS	Matrix Spike	T	Water	SM 4500 Cl F	
360-27565-1MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl F	
360-27565-2	O22M	T	Water	SM 4500 Cl F	

Client: Roux Associates, Inc. Job Number: 360-27565-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 360-57058					
LCS 360-57058/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 360-57058/1-A	Method Blank	T	Water	Distill/Phenol	
360-27565-1	STS-MW-4	T	Water	Distill/Phenol	
360-27565-2	O22M	T	Water	Distill/Phenol	
360-27565-2MS	Matrix Spike	T	Water	Distill/Phenol	
360-27565-2MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
Analysis Batch:360-57060					
LCS 360-57058/2-A	Lab Control Sample	T	Water	L210-001A	360-57058
MB 360-57058/1-A	Method Blank	T	Water	L210-001A	360-57058
360-27565-1	STS-MW-4	T	Water	L210-001A	360-57058
360-27565-2	O22M	T	Water	L210-001A	360-57058
360-27565-2MS	Matrix Spike	T	Water	L210-001A	360-57058
360-27565-2MSD	Matrix Spike Duplicate	T	Water	L210-001A	360-57058
Prep Batch: 500-83716					
LCS 500-83716/2-A	Lab Control Sample	T	Water	1664A	
MB 500-83716/1-A	Method Blank	T	Water	1664A	
360-27565-1	STS-MW-4	T	Water	1664A	
360-27565-2	O22M	T	Water	1664A	
Analysis Batch:500-83717					
360-27565-1	STS-MW-4	T	Water	1664A	500-83716
Analysis Batch:500-83882					
LCS 500-83716/2-A	Lab Control Sample	T	Water	1664A	500-83716
MB 500-83716/1-A	Method Blank	T	Water	1664A	500-83716
360-27565-2	O22M	T	Water	1664A	500-83716

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27565-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-27565-1	STS-MW-4	117	99	118
360-27565-2	O22M	129	105	86
360-27565-3	TRIP BLANK	99	115	87
MB 360-57016/6		98	101	91
MB 360-57068/6		96	117	86
LCS 360-57016/3		120	84	101
LCS 360-57068/3		116	85	104
LCSD 360-57016/4		119	86	100
LCSD 360-57068/4		117	87	103

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	PHL %Rec	TPH %Rec	NBZ %Rec
360-27565-1	STS-MW-4	80	71	28	16	82	70
360-27565-2	O22M	94	79	40	23	79	73
MB 360-56946/1-A		66	67	30	17	90	65
LCS 360-56946/2-A		81	83	26	15	81	81
LCSD 360-56946/3-A		78	77	24	14X	81	73

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	15-110
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol	15-110
PHL = Phenol-d5	15-110
TPH = Terphenyl-d14	30-130
NBZ = Nitrobenzene-d5	30-130

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
360-27565-1	STS-MW-4	62	56
360-27565-2	O22M	63	28X
360-27565-2 RE	O22M RE	54	30
MB 360-56855/1-A		76	107
MB 360-56981/1-A		70	103
LCS 360-56855/2-A		80	106
LCS 360-56981/2-A		75	97
LCSD 360-56855/3-A		86	110
LCSD 360-56981/3-A		76	92

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-57016

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 360-57016/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/13/2010 1854
Date Prepared: 04/13/2010 1854

Analysis Batch: 360-57016
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent#2 GC/MS
Lab File ID: V10947.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	70 - 130
Dibromofluoromethane	101	70 - 130
Toluene-d8 (Surr)	91	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57016

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-57016/3	Analysis Batch:	360-57016	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10944.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/13/2010 1751			Final Weight/Volume:	5 mL
Date Prepared:	04/13/2010 1751				

LCSD Lab Sample ID:	LCSD 360-57016/4	Analysis Batch:	360-57016	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10945.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/13/2010 1812			Final Weight/Volume:	5 mL
Date Prepared:	04/13/2010 1812				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	105	108	70 - 130	3	25		
Toluene	105	106	70 - 130	0	25		
Ethylbenzene	107	108	70 - 130	1	25		
o-Xylene	96	99	70 - 130	2	25		
m-Xylene & p-Xylene	107	110	70 - 130	3	25		
Methyl tert-butyl ether	122	129	70 - 130	5	25		
Butyl alcohol, tert-	101	108	70 - 130	7	25		
Tert-amyl methyl ether	120	126	70 - 130	5	25		
Carbon tetrachloride	106	108	70 - 130	2	25		
1,1,1-Trichloroethane	108	112	70 - 130	3	25		
1,1,2-Trichloroethane	97	101	70 - 130	4	25		
1,1-Dichloroethane	106	108	70 - 130	2	25		
1,1-Dichloroethene	109	111	70 - 130	2	25		
1,2-Dichlorobenzene	102	107	70 - 130	5	25		
1,2-Dichloroethane	99	103	70 - 130	4	25		
1,3-Dichlorobenzene	112	117	70 - 130	5	25		
1,4-Dioxane	101	92	70 - 130	9	25		
1,4-Dichlorobenzene	104	109	70 - 130	5	25		
Acetone	94	98	70 - 130	4	25		
cis-1,2-Dichloroethene	106	109	70 - 130	3	25		
Methylene Chloride	105	111	70 - 130	5	25		
Tetrachloroethene	111	112	70 - 130	1	25		
Trichloroethene	111	114	70 - 130	3	25		
Vinyl chloride	95	100	70 - 130	5	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	120	119	70 - 130
Dibromofluoromethane	84	86	70 - 130
Toluene-d8 (Surr)	101	100	70 - 130

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Method Blank - Batch: 360-57068

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 360-57068/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1755
Date Prepared: 04/14/2010 1755

Analysis Batch: 360-57068
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent#2 GC/MS
Lab File ID: V10975.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	96	70 - 130
Dibromofluoromethane	117	70 - 130
Toluene-d8 (Surr)	86	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57068

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-57068/3	Analysis Batch:	360-57068	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10972.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/14/2010 1653			Final Weight/Volume:	5 mL
Date Prepared:	04/14/2010 1653				

LCSD Lab Sample ID:	LCSD 360-57068/4	Analysis Batch:	360-57068	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10973.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/14/2010 1713			Final Weight/Volume:	5 mL
Date Prepared:	04/14/2010 1713				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	98	101	70 - 130	3	25		
Toluene	97	99	70 - 130	2	25		
Ethylbenzene	96	96	70 - 130	0	25		
o-Xylene	82	83	70 - 130	1	25		
m-Xylene & p-Xylene	97	99	70 - 130	2	25		
Methyl tert-butyl ether	108	111	70 - 130	2	25		
Butyl alcohol, tert-	108	107	70 - 130	0	25		
Tert-amyl methyl ether	103	105	70 - 130	2	25		
Carbon tetrachloride	94	98	70 - 130	5	25		
1,1,1-Trichloroethane	95	100	70 - 130	6	25		
1,1,2-Trichloroethane	96	96	70 - 130	1	25		
1,1-Dichloroethane	95	98	70 - 130	3	25		
1,1-Dichloroethene	95	98	70 - 130	2	25		
1,2-Dichlorobenzene	94	97	70 - 130	3	25		
1,2-Dichloroethane	95	96	70 - 130	1	25		
1,3-Dichlorobenzene	103	107	70 - 130	3	25		
1,4-Dioxane	106	102	70 - 130	4	25		
1,4-Dichlorobenzene	96	98	70 - 130	1	25		
Acetone	102	107	70 - 130	5	25		
cis-1,2-Dichloroethene	93	96	70 - 130	2	25		
Methylene Chloride	101	103	70 - 130	2	25		
Tetrachloroethene	105	108	70 - 130	3	25		
Trichloroethene	105	109	70 - 130	3	25		
Vinyl chloride	86	92	70 - 130	7	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	116	117	70 - 130
Dibromofluoromethane	85	87	70 - 130
Toluene-d8 (Surr)	104	103	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

Lab Sample ID: MB 360-56946/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 2308
Date Prepared: 04/12/2010 1517

Analysis Batch: 360-57091
Prep Batch: 360-56946
Units: ug/L

Instrument ID: Inst. B
Lab File ID: B11623.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		0.50	5.0
2,4,6-Trichlorophenol	ND		0.50	5.0
2,4-Dichlorophenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		0.50	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2-Chlorophenol	ND		0.50	5.0
2-Methylphenol	ND		0.50	5.0
2-Nitrophenol	ND		0.50	5.0
3 & 4 Methylphenol	ND		0.50	5.0
4,6-Dinitro-2-methylphenol	ND		0.50	5.0
4-Chloro-3-methylphenol	ND		0.50	5.0
4-Nitrophenol	ND		0.50	5.0
Acenaphthene	ND		0.050	1.0
Acenaphthylene	ND		0.050	0.30
Anthracene	ND		0.070	1.0
Benzo[a]anthracene	ND		0.17	0.30
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.14	0.30
Benzo[g,h,i]perylene	ND		0.094	0.50
Benzo[k]fluoranthene	ND		0.17	0.30
Bis(2-ethylhexyl) phthalate	ND		0.50	2.0
Butyl benzyl phthalate	ND		0.50	5.0
Chrysene	ND		0.17	1.0
Di-n-butyl phthalate	1.30	J	0.60	5.0
Di-n-octyl phthalate	ND		0.73	5.0
Dibenz(a,h)anthracene	ND		0.064	0.50
Diethyl phthalate	ND		0.50	5.0
Dimethyl phthalate	ND		0.50	5.0
Fluoranthene	ND		0.20	1.0
Fluorene	ND		0.050	1.0
Indeno[1,2,3-cd]pyrene	ND		0.079	0.50
Naphthalene	ND		0.050	1.0
Pentachlorophenol	ND		0.50	1.0
Phenanthrene	ND		0.085	0.20
Phenol	ND		0.50	5.0
Pyrene	ND		0.19	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	66	15 - 110
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol	30	15 - 110
Phenol-d5	17	15 - 110
Terphenyl-d14	90	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	65	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-Trichlorophenol	98	90	30 - 130	9	20		
2,4,6-Trichlorophenol	94	86	30 - 130	9	20		
2,4-Dichlorophenol	88	81	30 - 130	7	20		
2,4-Dinitrophenol	78	77	30 - 130	1	20		
2,4-Dimethylphenol	88	72	30 - 130	19	20		
2-Chlorophenol	57	54	40 - 130	5	20		
2-Methylphenol	50	45	30 - 130	11	20		J
2-Nitrophenol	80	74	30 - 130	8	20		
3 & 4 Methylphenol	48	44	30 - 130	8	20	J	J
4,6-Dinitro-2-methylphenol	88	85	30 - 130	4	20		
4-Chloro-3-methylphenol	82	74	30 - 130	11	20		
4-Nitrophenol	26	25	30 - 130	2	20	J *	J *
Acenaphthene	83	79	40 - 140	6	20		
Acenaphthylene	79	76	40 - 140	4	20		
Anthracene	86	86	40 - 140	1	20		
Benzo[a]anthracene	93	95	40 - 140	1	20		
Benzo[a]pyrene	92	93	40 - 140	1	20		
Benzo[b]fluoranthene	79	79	40 - 140	0	20		
Benzo[g,h,i]perylene	94	91	40 - 140	4	20		
Benzo[k]fluoranthene	90	91	40 - 140	1	20		
Bis(2-ethylhexyl) phthalate	99	102	40 - 140	3	20		
Butyl benzyl phthalate	91	94	40 - 140	4	20		
Chrysene	90	92	40 - 140	2	20		
Di-n-butyl phthalate	85	89	40 - 140	4	20		
Di-n-octyl phthalate	91	93	40 - 140	2	20		
Dibenz(a,h)anthracene	101	96	40 - 140	5	20		
Diethyl phthalate	82	80	40 - 140	2	20		
Dimethyl phthalate	81	78	40 - 140	4	20		
Fluoranthene	96	97	40 - 140	1	20		
Fluorene	82	79	40 - 140	3	20		
Indeno[1,2,3-cd]pyrene	100	98	40 - 140	2	20		
Naphthalene	66	62	40 - 140	5	20		
Pentachlorophenol	88	88	30 - 130	0	20		

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenanthrene	75	75	40 - 140	1	20		
Phenol	17	16	30 - 130	7	20	J *	J *
Pyrene	82	84	40 - 140	2	20		

Surrogate	LCS % Rec	LCSD % Rec		Acceptance Limits
2,4,6-Tribromophenol	81	78		15 - 110
2-Fluorobiphenyl	83	77		30 - 130
2-Fluorophenol	26	24		15 - 110
Phenol-d5	15	14	X	15 - 110
Terphenyl-d14	81	81		30 - 130
Nitrobenzene-d5	81	73		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

Lab Sample ID: MB 360-56855/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1046
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3465.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.27	1.0
PCB-1221	ND		0.44	1.0
PCB-1232	ND		0.34	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.38	1.0
PCB-1254	ND		0.34	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	30 - 150
DCB Decachlorobiphenyl	107	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

LCS Lab Sample ID: LCS 360-56855/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1110
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3466.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-56855/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1135
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3467.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	84	90	50 - 114	6	50		
PCB-1260	86	97	8 - 127	13	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	80	86	30 - 150
DCB Decachlorobiphenyl	106	110	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56981

Method: 608
Preparation: CWA_Prep

Lab Sample ID: MB 360-56981/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1823
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3483.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.27	1.0
PCB-1221	ND		0.44	1.0
PCB-1232	ND		0.34	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.38	1.0
PCB-1254	ND		0.34	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	70	30 - 150
DCB Decachlorobiphenyl	103	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56981

Method: 608
Preparation: CWA_Prep

LCS Lab Sample ID: LCS 360-56981/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1847
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3484.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-56981/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1912
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3485.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	74	78	50 - 114	6	50		
PCB-1260	79	80	8 - 127	2	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	75	76	30 - 150
DCB Decachlorobiphenyl	97	92	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-57179

Method: 8011
Preparation: 8011

Lab Sample ID: MB 360-57179/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1503
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12615.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Ethylene Dibromide	ND		0.0070	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57179

Method: 8011
Preparation: 8011

LCS Lab Sample ID: LCS 360-57179/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1523
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12616.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-57179/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1544
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12617.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylene Dibromide	83	89	70 - 130	7	20		

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Method Blank - Batch: 360-56661

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 360-56661/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 1514
Date Prepared: 04/06/2010 0655

Analysis Batch: 360-56734
Prep Batch: 360-56661
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	ND		1.8	5.0
Arsenic	ND		2.3	10
Cadmium	ND		0.20	1.0
Chromium	1.70	J	1.3	5.0
Copper	ND		1.7	10
Iron	ND		34	100
Nickel	ND		1.5	10
Lead	ND		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	ND		10	50

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56661

Method: 200.7 Rev 4.4
Preparation: 200.7

LCS Lab Sample ID:	LCS 360-56661/2-A	Analysis Batch:	360-56734	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56661	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/06/2010 1517			Final Weight/Volume:	50 mL
Date Prepared:	04/06/2010 0655				

LCSD Lab Sample ID:	LCSD 360-56661/3-A	Analysis Batch:	360-56734	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56661	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/06/2010 1520			Final Weight/Volume:	50 mL
Date Prepared:	04/06/2010 0655				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	97	96	85 - 115	1	20		
Arsenic	97	96	85 - 115	1	20		
Cadmium	96	95	85 - 115	1	20		
Chromium	99	97	85 - 115	1	20		
Copper	100	99	85 - 115	1	20		
Iron	98	97	85 - 115	1	20		
Nickel	97	97	85 - 115	0	20		
Lead	97	95	85 - 115	1	20		
Antimony	98	96	85 - 115	1	20		
Selenium	96	95	85 - 115	1	20		
Zinc	96	95	85 - 115	1	20		

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56738

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 360-56738/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1203
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.065	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56738

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 360-56738/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1204
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 360-56738/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1206
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	90	96	80 - 120	7	20		

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Method Blank - Batch: 500-83716

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 500-83716/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1000
Date Prepared: 04/12/2010 0815

Analysis Batch: 500-83882
Prep Batch: 500-83716
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
SGT-HEM	0.700	J	0.59	5.0

Lab Control Sample - Batch: 500-83716

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 500-83716/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1026
Date Prepared: 04/12/2010 0833

Analysis Batch: 500-83882
Prep Batch: 500-83716
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SGT-HEM	20.0	12.9	64	64 - 132	

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56677

Method: 7196A
Preparation: N/A

Lab Sample ID: MB 360-56677/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0942
Date Prepared: N/A

Analysis Batch: 360-56677
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Cr (VI)	ND		0.0050	0.0050

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56677

Method: 7196A
Preparation: N/A

LCS Lab Sample ID: LCS 360-56677/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0942
Date Prepared: N/A

Analysis Batch: 360-56677
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56677/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0942
Date Prepared: N/A

Analysis Batch: 360-56677
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cr (VI)	102	103	80 - 120	1	20		

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Method Blank - Batch: 360-56805

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: MB 360-56805/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1505
Date Prepared: 04/08/2010 1114

Analysis Batch: 360-56829
Prep Batch: 360-56805
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Cyanide, Total	ND		0.010	0.010

Lab Control Sample - Batch: 360-56805

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: LCS 360-56805/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1506
Date Prepared: 04/08/2010 1114

Analysis Batch: 360-56829
Prep Batch: 360-56805
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.0985	98	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: MB 360-57058/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1509
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.0074	0.0074

Lab Control Sample - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: LCS 360-57058/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1510
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.100	0.101	101	85 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

MS Lab Sample ID: 360-27565-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1522
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 45 mL

MSD Lab Sample ID: 360-27565-2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1523
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 48 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenols, Total	209	122	75 - 125	18	20	F	

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56671

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 360-56671/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0916
Date Prepared: N/A

Analysis Batch: 360-56671
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Total Suspended Solids	ND		2.0	2.0

Lab Control Sample - Batch: 360-56671

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 360-56671/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0916
Date Prepared: N/A

Analysis Batch: 360-56671
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	200	188	94	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27565-1

Method Blank - Batch: 360-56835

Method: SM 4500 Cl F
Preparation: N/A

Lab Sample ID: MB 360-56835/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0821
Date Prepared: N/A

Analysis Batch: 360-56835
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Chlorine	ND		0.020	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56835

Method: SM 4500 Cl F
Preparation: N/A

LCS Lab Sample ID: LCS 360-56835/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0821
Date Prepared: N/A

Analysis Batch: 360-56835
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56835/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 0821
Date Prepared: N/A

Analysis Batch: 360-56835
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorine	97	102	85 - 115	5	25		

Client: Roux Associates, Inc. Job Number: 360-27565-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-56835

Method: SM 4500 Cl F
Preparation: N/A

MS Lab Sample ID:	360-27565-1	Analysis Batch:	360-56835	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/06/2010 0836			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	360-27565-1	Analysis Batch:	360-56835	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/06/2010 0836			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorine	91	87	75 - 125	4	20		

Client: Roux Associates, Inc. Job Number: 360-27565-1

Lab Control Sample - Batch: 360-56678

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: LCS 360-56678/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 1028
Date Prepared: N/A

Analysis Batch: 360-56678
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.00	5.910	98	90 - 110	

Duplicate - Batch: 360-56678

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 360-27565-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/06/2010 1035
Date Prepared: N/A

Analysis Batch: 360-56678
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.90	7.080	3	20	

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215B	Heterotrophic Plate Count (Pour Plate Method)		P			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9221F	E.Coli (Multiple-Tube Fermentation; EC-MUG)		P			
SM 9222B	Coliforms, Total (Membrane Filter)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
200.8	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is listing is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Login Number: 27565

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.6 C / 6.0 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27565-1

Login Number: 27565
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago
List Creation: 04/07/10 12:20 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

1 of 1

008638

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: ROUX ASSOCIATES INC
Address: 67 S. BEDFORD ST SUITE 101W
Phone: Fax:

Client Project #:
Site ID & State: EVERETT TERMINAL / MA
Reports Sent To: JEFF LACROIX
Email: JLacroix@RouxInc.com Email Rpt: ☐

Job# 360-27565 | Quote# | PO#

Shaded areas for office use

Invoice same as Report to? ☐

If Invoice contact or address different, note in *Comments*

Comments *(Special Instructions)*

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)

STANDARD X RUSH ____ *(Lab Approval Required)*

Regulatory Programs/Presumptive Certainty/QC Forms

MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☐ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
STS-MW-4	GW	RES	4.5.10 1150		X											SEE	COMMENTS								
022M	GW	RES	4.5.10 1150		X											SEE	COMMENTS								
TRIP BLANK	AQ																								

KAR

4/5/10

Comments:

METHODS:

4500 Cl F chlorine
245.1 - MERcury
200.7 - Custom Pick List
8260B - App III / IV
8011 - Ethylene Dibromide
8270C App III / VI
608 PCBs
7196A - Cr (VI)
2540D - TOTAL SUS SOLIDS
SM4500 H+ pH
LACH_20-4_001-A Cyanide, TOTAL
LACH_210-00-1-A - phenols TOTAL
1664A - Calc-SGT-HEM

Sampled by (print): RICHARD SOUZA Signature:

Relinquished by:	Date: 4/5/10	Time: 1500	Received by:	Date: 4-5-10	Time: 1500
Relinquished by:	Date: 4-5-10	Time: 1800	Received by:	Date: 4/5/10	Time: 1800
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Cooler ? (Y) / N MADEP Requirement Samples Iced? (Y) / N

Temp @ receipt: 5.6°C / 6.0°C °C

Preservation / pH checked? (Y) / N

By: KAR Date: 4/6/10

TestAmerica Westfield

WI-QA-010-REV 5

White = Lab file Pink = Customer copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-27593-1

Job Description: Everett Terminal/MA

For:
Roux Associates, Inc.
67 South Bedford St
Suite 101W
Burlington, MA 01803

Attention: Mr. Jeff Lacroix

Approved for release.
Joe Chimi
Report Production Representative
4/20/10 9:25 AM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
04/20/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

Table of Contents

CASE NARRATIVE

Client: Roux Associates, Inc.

Project: Everett Terminal/MA

Report Number: 360-27593-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 04/06/2010; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 5.8, 4.6 and 5.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-27593-1 through 360-27593-5 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/15/2010.

4-Bromofluorobenzene failed the surrogate recovery criteria high for 360-27593-2 and 360-27593-4. Refer to the QC report for details. The samples were re-analyzed with similar results. The original results are reported herein.

For batch 360-57172, Acetone failed the CCV criteria high.

1,4-Dichlorobenzene-d4 failed the internal standard criteria low for the following samples: 360-27593-5, MB 360-57074/6 and MB 360-57172/6. No associated target analytes were detected in these samples. Results would be biased high.

Samples 360-27593-2(10X) and 360-27593-4(20X) required dilution prior to analysis due to high target concentration. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 360-27593-2 through 360-27593-4 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 04/12/2010 and analyzed on 04/15/2010.

Di-n-butyl phthalate was detected in method blank MB 360-56946/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Phenol-d5 failed the surrogate recovery criteria low for 360-27593-4 and LCSD 360-56946/3-A. Refer to the QC report for details. Per method SOP, re-extraction is only required if two or more surrogates from any one fraction fail or any single surrogate falls below 10%.

4-Nitrophenol and Phenol failed the recovery criteria low for LCS 360-56946/2-A and LCSD 360-56946/3-A. Refer to the QC report for details.

Sample 360-27593-2(10X) required dilution prior to analysis due to the sample’s oily extract. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples 360-27593-2 through 360-27593-4 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 04/09/2010 and 04/13/2010 and analyzed on 04/12/2010 and 04/14/2010.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for 360-27593-4. Refer to the QC report for details. The sample was re-extracted and re-analyzed with similar results. The original extraction is reported herein.

No other difficulties were encountered during the PCBs analyses.

All other quality control parameters were within the acceptance limits.

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY
Samples 360-27593-1 through 360-27593-4 were analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The samples were prepared and analyzed on 04/16/2010.

No difficulties were encountered during the EDB and DBCP analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS
Samples 360-27593-1 through 360-27593-4 were analyzed for total metals in accordance with EPA Method 200.7. The samples were prepared and analyzed on 04/07/2010.

No difficulties were encountered during the total metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Samples 360-27593-1 through 360-27593-4 were analyzed for total mercury in accordance with EPA Method 245.1. The samples were prepared on 04/07/2010 and analyzed on 04/08/2010.

No difficulties were encountered during the mercury analyses.

All quality control parameters were within the acceptance limits.

HEM AND SGT-HEM
Samples 360-27593-2 through 360-27593-4 were analyzed for HEM and SGT-HEM in accordance with EPA Method 1664A. The samples were prepared on 04/12/2010 and analyzed on 04/12/2010 and 04/14/2010.

This analysis was performed at TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484.

Sample 360-27593-(3-4) prep batch 500-83716, analytical batch 500-83882
(analyzed as HEM, since samples 360-27593-3 and 360-27593-4 were non-detect for HEM and did not require silica gel treatment)
MB 0.8 mg/L 5.0 mg/L RL
LCS Observed 34.5 mg/L True value 40 mg/L 86% recovery limits 78-114%
LCSD Observed 34.7 mg/L True value 40 mg/L 87% recovery limits 78-114%

SGT-HEM was detected in method blank MB 500-83716/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the HEM and SGT-HEM analyses.

All other quality control parameters were within the acceptance limits.

HEXAVALENT CHROMIUM
Samples 360-27593-1 through 360-27593-4 were analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The samples were analyzed on 04/07/2010.

No difficulties were encountered during the hexavalent chromium analyses.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples 360-27593-1 through 360-27593-4 were analyzed for total cyanide in accordance with LACHAT 210-00-1-A. The samples were prepared and analyzed on 04/15/2010.

No difficulties were encountered during the total cyanide analyses.

All quality control parameters were within the acceptance limits.

TOTAL PHENOLS
Samples 360-27593-2 through 360-27593-4 were analyzed for total phenols in accordance with LACHAT 210-00-1-A. The samples were prepared and analyzed on 04/14/2010.

Sample 360-27593-4(5X) required dilution prior to analysis due to high concentration. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the total phenols analyses.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS
Samples 360-27593-1 through 360-27593-4 were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 04/09/2010.

No difficulties were encountered during the TSS analyses.

All quality control parameters were within the acceptance limits.

CHLORINE RESIDUAL
Samples 360-27593-1 through 360-27593-4 were analyzed for Chlorine Residual in accordance with SM 4500Cl F. The samples were analyzed on 04/07/2010.

No difficulties were encountered during the Res. Chlorine analyses.

All quality control parameters were within the acceptance limits.

PH
Samples 360-27593-1 through 360-27593-4 were analyzed for pH in accordance with SM 4500 H+. The samples were analyzed on 04/07/2010.

No difficulties were encountered during the pH analyses.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-27593-1	**STS-MW-3**					
Arsenic		4.7	J	10	ug/L	200.7 Rev 4.4
Copper		10		10	ug/L	200.7 Rev 4.4
Iron		180		100	ug/L	200.7 Rev 4.4
Nickel		10		10	ug/L	200.7 Rev 4.4
Lead		52		5.0	ug/L	200.7 Rev 4.4
Antimony		2.9	J	6.0	ug/L	200.7 Rev 4.4
Selenium		4.8	J	10	ug/L	200.7 Rev 4.4
Zinc		170		50	ug/L	200.7 Rev 4.4
pH		7.03	HF	0.100	SU	SM 4500 H+ B
360-27593-2	**HPMW-1**					
Benzene		230		10	ug/L	8260B
Toluene		25		10	ug/L	8260B
Ethylbenzene		11		10	ug/L	8260B
o-Xylene		22		10	ug/L	8260B
m-Xylene & p-Xylene		49		20	ug/L	8260B
Acenaphthene		1.8	J	9.1	ug/L	8270C LL
Fluorene		1.9	J	9.1	ug/L	8270C LL
Phenanthrene		1.3	J	1.8	ug/L	8270C LL
Arsenic		6.4	J	10	ug/L	200.7 Rev 4.4
Iron		10000		100	ug/L	200.7 Rev 4.4
Nickel		1.7	J	10	ug/L	200.7 Rev 4.4
Lead		7.7		5.0	ug/L	200.7 Rev 4.4
SGT-HEM		2.1	J B	4.8	mg/L	1664A
Phenols, Total		0.048		0.0078	mg/L	L210-001A
Total Suspended Solids		22		10	mg/L	SM 2540D
pH		7.08	HF	0.100	SU	SM 4500 H+ B

EXECUTIVE SUMMARY - Detections

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-27593-3	**STS-MW-1**					
3 & 4 Methylphenol		0.55	J	4.5	ug/L	8270C LL
Acenaphthene		0.26	J	0.91	ug/L	8270C LL
Anthracene		0.12	J	0.91	ug/L	8270C LL
Di-n-butyl phthalate		0.90	J B	4.5	ug/L	8270C LL
Fluorene		0.34	J	0.91	ug/L	8270C LL
Naphthalene		0.23	J	0.91	ug/L	8270C LL
Phenanthrene		0.56		0.18	ug/L	8270C LL
Phenol		1.7	J *	4.5	ug/L	8270C LL
Pyrene		0.23	J	4.5	ug/L	8270C LL
Arsenic		3.0	J	10	ug/L	200.7 Rev 4.4
Cadmium		0.32	J	1.0	ug/L	200.7 Rev 4.4
Chromium		2.1	J	5.0	ug/L	200.7 Rev 4.4
Copper		35		10	ug/L	200.7 Rev 4.4
Iron		1300		100	ug/L	200.7 Rev 4.4
Nickel		8.9	J	10	ug/L	200.7 Rev 4.4
Lead		35		5.0	ug/L	200.7 Rev 4.4
Zinc		73		50	ug/L	200.7 Rev 4.4
Mercury		1.8		0.20	ug/L	245.1
SGT-HEM		1.8	J	4.8	mg/L	1664A
Total Suspended Solids		43		5.0	mg/L	SM 2540D
pH		7.72	HF	0.100	SU	SM 4500 H+ B
360-27593-4	**WSA-MW-05**					
Benzene		1300		20	ug/L	8260B
Toluene		440		20	ug/L	8260B
Ethylbenzene		340		20	ug/L	8260B
o-Xylene		310		20	ug/L	8260B
m-Xylene & p-Xylene		630		40	ug/L	8260B
Butyl alcohol, tert-		1000		1000	ug/L	8260B
Acenaphthene		0.62	J	0.91	ug/L	8270C LL
Di-n-butyl phthalate		0.64	J B	4.5	ug/L	8270C LL
Naphthalene		9.4		0.91	ug/L	8270C LL
Phenanthrene		0.47		0.18	ug/L	8270C LL
Arsenic		3.5	J	10	ug/L	200.7 Rev 4.4
Chromium		2.1	J	5.0	ug/L	200.7 Rev 4.4
Copper		1.8	J	10	ug/L	200.7 Rev 4.4
Iron		3800		100	ug/L	200.7 Rev 4.4
Nickel		3.9	J	10	ug/L	200.7 Rev 4.4
Lead		8.2		5.0	ug/L	200.7 Rev 4.4
SGT-HEM		3.3	J	4.8	mg/L	1664A
Phenols, Total		0.55		0.040	mg/L	L210-001A
Total Suspended Solids		12		10	mg/L	SM 2540D
pH		7.26	HF	0.100	SU	SM 4500 H+ B

EXECUTIVE SUMMARY - Detections

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-27593-5TB	**TRIP BLANK**					
Acetone		26	J	50	ug/L	8260B

METHOD SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27593-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Organochlorine Pesticides/PCBs in Water	TAL WFD	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		40CFR136A CWA_Prep
EDB, DBCP, and 1,2,3-TCP (GC)	TAL WFD	SW846 8011	
Microextraction	TAL WFD		SW846 8011
Metals (ICP)	TAL WFD	EPA 200.7 Rev 4.4	
Preparation, Total Metals	TAL WFD		EPA 200.7
Mercury (CVAA)	TAL WFD	EPA 245.1	
Preparation, Mercury	TAL WFD		EPA 245.1
HEM and SGT-HEM	TAL CHI	1664A 1664A	
HEM and SGT-HEM (SPE)	TAL CHI		1664A 1664A
Chromium, Hexavalent	TAL WFD	SW846 7196A	
Cyanide, Total	TAL WFD	LACHAT L204001A CN	
Distillation, Cyanide	TAL WFD		Distill/CN
Phenolics, Total Recoverable	TAL WFD	LACHAT L210-001A	
Distillation, Phenolics	TAL WFD		Distill/Phenol
Solids, Total Suspended (TSS)	TAL WFD	SM SM 2540D	
Chlorine, Residual	TAL WFD	SM SM 4500 Cl F	
pH	TAL WFD	SM SM 4500 H+ B	

Lab References:

TAL CHI = TestAmerica Chicago

TAL WFD = TestAmerica Westfield

Method References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

LACHAT = LACHAT

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method	Analyst	Analyst ID
SW846 8260B	Pham, Tam	TP
SW846 8270C LL	Sullivan, Pat J	PJS
40CFR136A 608	Sullivan, Pat J	PJS
SW846 8011	Sullivan, Pat J	PJS
EPA 200.7 Rev 4.4	Smith, Tim J	TJS
EPA 245.1	Smith, Tim J	TJS
1664A 1664A	Brogan, Mary T	MTB
SW846 7196A	Emerich, Rich W	RWE
LACHAT L204001A CN	Lalashius, Andrew L	ALL
LACHAT L210-001A	Lalashius, Andrew L	ALL
SM SM 2540D	Lalashius, Andrew L	ALL
SM SM 4500 Cl F	Benoit, Gary R	GRB
SM SM 4500 H+ B	Emerich, Rich W	RWE

SAMPLE SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-27593-1	STS-MW-3	Ground Water	04/06/2010 0900	04/06/2010 1750
360-27593-2	HPMW-1	Ground Water	04/06/2010 0955	04/06/2010 1750
360-27593-3	STS-MW-1	Ground Water	04/06/2010 1130	04/06/2010 1750
360-27593-4	WSA-MW-05	Ground Water	04/06/2010 1410	04/06/2010 1750
360-27593-5TB	TRIP BLANK	Water	04/06/2010 0900	04/06/2010 1750

SAMPLE RESULTS

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27593-1 Date Sampled: 04/06/2010 0900
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57074		Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B			Lab File ID:	V11015.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0754			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0754				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	120		70 - 130
Toluene-d8 (Surr)	91		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57074		Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B			Lab File ID:	V11016.D
Dilution:	10			Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0815			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0815				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	230		7.4	10
Toluene	25		5.6	10
Ethylbenzene	11		6.7	10
o-Xylene	22		5.4	10
m-Xylene & p-Xylene	49		14	20
Methyl tert-butyl ether	ND		6.3	10
Butyl alcohol, tert-	ND		85	500
Tert-amyl methyl ether	ND		6.1	50
Carbon tetrachloride	ND		7.1	10
1,1,1-Trichloroethane	ND		7.0	10
1,1,2-Trichloroethane	ND		7.2	10
1,1-Dichloroethane	ND		6.7	10
1,1-Dichloroethene	ND		6.4	10
1,2-Dichlorobenzene	ND		6.2	10
1,2-Dichloroethane	ND		6.2	10
1,3-Dichlorobenzene	ND		6.4	10
1,4-Dioxane	ND		77	500
1,4-Dichlorobenzene	ND		6.2	10
Acetone	ND		200	500
cis-1,2-Dichloroethene	ND		6.5	10
Methylene Chloride	ND		10	20
Tetrachloroethene	ND		4.8	10
Trichloroethene	ND		5.9	10
Vinyl chloride	ND		4.6	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	144	X	70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8 (Surr)	86		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57074		Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B			Lab File ID:	V11017.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0836			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0836				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	100		70 - 130
Dibromofluoromethane	115		70 - 130
Toluene-d8 (Surr)	90		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57074		Instrument ID:	Agilent#2 GC/MS
Preparation:	5030B			Lab File ID:	V11018.D
Dilution:	20			Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0857			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0857				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	1300		15	20
Toluene	440		11	20
Ethylbenzene	340		13	20
o-Xylene	310		11	20
m-Xylene & p-Xylene	630		27	40
Methyl tert-butyl ether	ND		13	20
Butyl alcohol, tert-	1000		170	1000
Tert-amyl methyl ether	ND		12	100
Carbon tetrachloride	ND		14	20
1,1,1-Trichloroethane	ND		14	20
1,1,2-Trichloroethane	ND		14	20
1,1-Dichloroethane	ND		13	20
1,1-Dichloroethene	ND		13	20
1,2-Dichlorobenzene	ND		12	20
1,2-Dichloroethane	ND		12	20
1,3-Dichlorobenzene	ND		13	20
1,4-Dioxane	ND		150	1000
1,4-Dichlorobenzene	ND		12	20
Acetone	ND		400	1000
cis-1,2-Dichloroethene	ND		13	20
Methylene Chloride	ND		20	40
Tetrachloroethene	ND		9.6	20
Trichloroethene	ND		12	20
Vinyl chloride	ND		9.2	10

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	149	X	70 - 130
Dibromofluoromethane	88		70 - 130
Toluene-d8 (Surr)	94		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 360-27593-5TB Date Sampled: 04/06/2010 0900
Client Matrix: Water Date Received: 04/06/2010 1750

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57074	Instrument ID: Agilent#2 GC/MS
Preparation:	5030B		Lab File ID: V11014.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	04/15/2010 0733		Final Weight/Volume: 5 mL
Date Prepared:	04/15/2010 0733		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	26	J	20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	99		70 - 130
Dibromofluoromethane	123		70 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11640.D
Dilution:	10			Initial Weight/Volume:	1100 mL
Date Analyzed:	04/15/2010 0744			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		4.5	45
2,4,6-Trichlorophenol	ND		4.5	45
2,4-Dichlorophenol	ND		4.5	45
2,4-Dinitrophenol	ND		4.5	45
2,4-Dimethylphenol	ND		4.5	45
2-Chlorophenol	ND		4.5	45
2-Methylphenol	ND		4.5	45
2-Nitrophenol	ND		4.5	45
3 & 4 Methylphenol	ND		4.5	45
4,6-Dinitro-2-methylphenol	ND		4.5	45
4-Chloro-3-methylphenol	ND		4.5	45
4-Nitrophenol	ND	*	4.5	45
Acenaphthene	1.8	J	0.45	9.1
Acenaphthylene	ND		0.45	2.7
Anthracene	ND		0.64	9.1
Benzo[a]anthracene	ND		1.5	2.7
Benzo[a]pyrene	ND		0.94	1.8
Benzo[b]fluoranthene	ND		1.3	2.7
Benzo[g,h,i]perylene	ND		0.85	4.5
Benzo[k]fluoranthene	ND		1.5	2.7
Bis(2-ethylhexyl) phthalate	ND		4.5	18
Butyl benzyl phthalate	ND		4.5	45
Chrysene	ND		1.5	9.1
Di-n-butyl phthalate	ND		5.5	45
Di-n-octyl phthalate	ND		6.6	45
Dibenz(a,h)anthracene	ND		0.58	4.5
Diethyl phthalate	ND		4.5	45
Dimethyl phthalate	ND		4.5	45
Fluoranthene	ND		1.8	9.1
Fluorene	1.9	J	0.45	9.1
Indeno[1,2,3-cd]pyrene	ND		0.72	4.5
Naphthalene	ND		0.45	9.1
Pentachlorophenol	ND		4.5	9.1
Phenanthrene	1.3	J	0.77	1.8
Phenol	ND	*	4.5	45
Pyrene	ND		1.7	45

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	94		15 - 110
2-Fluorobiphenyl	75		30 - 130
2-Fluorophenol	33		15 - 110
Phenol-d5	19		15 - 110
Terphenyl-d14	79		30 - 130
Nitrobenzene-d5	63		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11641.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	04/15/2010 0814			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.5
2,4,6-Trichlorophenol	ND		0.45	4.5
2,4-Dichlorophenol	ND		0.45	4.5
2,4-Dinitrophenol	ND		0.45	4.5
2,4-Dimethylphenol	ND		0.45	4.5
2-Chlorophenol	ND		0.45	4.5
2-Methylphenol	ND		0.45	4.5
2-Nitrophenol	ND		0.45	4.5
3 & 4 Methylphenol	0.55	J	0.45	4.5
4,6-Dinitro-2-methylphenol	ND		0.45	4.5
4-Chloro-3-methylphenol	ND		0.45	4.5
4-Nitrophenol	ND	*	0.45	4.5
Acenaphthene	0.26	J	0.045	0.91
Acenaphthylene	ND		0.045	0.27
Anthracene	0.12	J	0.064	0.91
Benzo[a]anthracene	ND		0.15	0.27
Benzo[a]pyrene	ND		0.094	0.18
Benzo[b]fluoranthene	ND		0.13	0.27
Benzo[g,h,i]perylene	ND		0.085	0.45
Benzo[k]fluoranthene	ND		0.15	0.27
Bis(2-ethylhexyl) phthalate	ND		0.45	1.8
Butyl benzyl phthalate	ND		0.45	4.5
Chrysene	ND		0.15	0.91
Di-n-butyl phthalate	0.90	J B	0.55	4.5
Di-n-octyl phthalate	ND		0.66	4.5
Dibenz(a,h)anthracene	ND		0.058	0.45
Diethyl phthalate	ND		0.45	4.5
Dimethyl phthalate	ND		0.45	4.5
Fluoranthene	ND		0.18	0.91
Fluorene	0.34	J	0.045	0.91
Indeno[1,2,3-cd]pyrene	ND		0.072	0.45
Naphthalene	0.23	J	0.045	0.91
Pentachlorophenol	ND		0.45	0.91
Phenanthrene	0.56		0.077	0.18
Phenol	1.7	J *	0.45	4.5
Pyrene	0.23	J	0.17	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	91		15 - 110
2-Fluorobiphenyl	72		30 - 130
2-Fluorophenol	25		15 - 110
Phenol-d5	15		15 - 110
Terphenyl-d14	91		30 - 130
Nitrobenzene-d5	59		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11629.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	04/15/2010 0210			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.5
2,4,6-Trichlorophenol	ND		0.45	4.5
2,4-Dichlorophenol	ND		0.45	4.5
2,4-Dinitrophenol	ND		0.45	4.5
2,4-Dimethylphenol	ND		0.45	4.5
2-Chlorophenol	ND		0.45	4.5
2-Methylphenol	ND		0.45	4.5
2-Nitrophenol	ND		0.45	4.5
3 & 4 Methylphenol	ND		0.45	4.5
4,6-Dinitro-2-methylphenol	ND		0.45	4.5
4-Chloro-3-methylphenol	ND		0.45	4.5
4-Nitrophenol	ND	*	0.45	4.5
Acenaphthene	0.62	J	0.045	0.91
Acenaphthylene	ND		0.045	0.27
Anthracene	ND		0.064	0.91
Benzo[a]anthracene	ND		0.15	0.27
Benzo[a]pyrene	ND		0.094	0.18
Benzo[b]fluoranthene	ND		0.13	0.27
Benzo[g,h,i]perylene	ND		0.085	0.45
Benzo[k]fluoranthene	ND		0.15	0.27
Bis(2-ethylhexyl) phthalate	ND		0.45	1.8
Butyl benzyl phthalate	ND		0.45	4.5
Chrysene	ND		0.15	0.91
Di-n-butyl phthalate	0.64	J B	0.55	4.5
Di-n-octyl phthalate	ND		0.66	4.5
Dibenz(a,h)anthracene	ND		0.058	0.45
Diethyl phthalate	ND		0.45	4.5
Dimethyl phthalate	ND		0.45	4.5
Fluoranthene	ND		0.18	0.91
Fluorene	ND		0.045	0.91
Indeno[1,2,3-cd]pyrene	ND		0.072	0.45
Naphthalene	9.4		0.045	0.91
Pentachlorophenol	ND		0.45	0.91
Phenanthrene	0.47		0.077	0.18
Phenol	ND	*	0.45	4.5
Pyrene	ND		0.17	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		15 - 110
2-Fluorobiphenyl	41		30 - 130
2-Fluorophenol	65		15 - 110
Phenol-d5	11	X	15 - 110
Terphenyl-d14	77		30 - 130
Nitrobenzene-d5	119		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-57083		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56981		Initial Weight/Volume:	1090 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/14/2010 2025			Injection Volume:	2 uL
Date Prepared:	04/13/2010 1109			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.92
PCB-1221	ND		0.40	0.92
PCB-1232	ND		0.31	0.92
PCB-1242	ND		0.17	0.92
PCB-1248	ND		0.35	0.92
PCB-1254	ND		0.31	0.92
PCB-1260	ND		0.23	0.92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	62		30 - 150
DCB Decachlorobiphenyl	43		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1100 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1337			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.91
PCB-1221	ND		0.40	0.91
PCB-1232	ND		0.31	0.91
PCB-1242	ND		0.16	0.91
PCB-1248	ND		0.35	0.91
PCB-1254	ND		0.31	0.91
PCB-1260	ND		0.23	0.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		30 - 150
DCB Decachlorobiphenyl	75		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1100 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1401			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.91
PCB-1221	ND		0.40	0.91
PCB-1232	ND		0.31	0.91
PCB-1242	ND		0.16	0.91
PCB-1248	ND		0.35	0.91
PCB-1254	ND		0.31	0.91
PCB-1260	ND		0.23	0.91

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	59		30 - 150
DCB Decachlorobiphenyl	26	X	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27593-1 Date Sampled: 04/06/2010 0900
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	35.84 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1645			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0068	0.020

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	34.27 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1706			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0071	0.020

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	35.73 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1726			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0069	0.020

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57185		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57179		Initial Weight/Volume:	35.95 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/16/2010 1747			Injection Volume:	1 uL
Date Prepared:	04/16/2010 0900			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0068	0.019

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27593-1 Date Sampled: 04/06/2010 0900
Client Matrix: Ground Water Date Received: 04/06/2010 1750

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56788		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56728		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1614			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	4.7	J	2.3	10
Cadmium	ND		0.20	1.0
Chromium	ND		1.3	5.0
Copper	10		1.7	10
Iron	180		34	100
Nickel	10		1.5	10
Lead	52		1.3	5.0
Antimony	2.9	J	2.9	6.0
Selenium	4.8	J	2.7	10
Zinc	170		10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1225			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.065	0.20

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56788		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56728		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1616			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	6.4	J	2.3	10
Cadmium	ND		0.20	1.0
Chromium	ND		1.3	5.0
Copper	ND		1.7	10
Iron	10000		34	100
Nickel	1.7	J	1.5	10
Lead	7.7		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	ND		10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1233			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.065	0.20

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56788		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56728		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1619			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	3.0	J	2.3	10
Cadmium	0.32	J	0.20	1.0
Chromium	2.1	J	1.3	5.0
Copper	35		1.7	10
Iron	1300		34	100
Nickel	8.9	J	1.5	10
Lead	35		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	73		10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1235			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	1.8		0.065	0.20

Client: Roux Associates, Inc. Job Number: 360-27593-1

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56788		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56728		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1622			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	3.5	J	2.3	10
Cadmium	ND		0.20	1.0
Chromium	2.1	J	1.3	5.0
Copper	1.8	J	1.7	10
Iron	3800		34	100
Nickel	3.9	J	1.5	10
Lead	8.2		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	ND		10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56738		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1237			Final Weight/Volume:	10 mL
Date Prepared:	04/07/2010 1024				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.065	0.20

General Chemistry

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27593-1 Date Sampled: 04/06/2010 0900
Client Matrix: Ground Water Date Received: 04/06/2010 1750

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56722	Date Analyzed: 04/07/2010 0814						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-57132	Date Analyzed: 04/15/2010 1545						
Prep Batch: 360-57120	Date Prepared: 04/15/2010 1129						
Total Suspended Solids	ND		mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 360-56848	Date Analyzed: 04/09/2010 0847						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56838	Date Analyzed: 04/07/2010 0855						
pH	7.03	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56742	Date Analyzed: 04/07/2010 0913						

General Chemistry

Client Sample ID: **HPMW-1**

Lab Sample ID: 360-27593-2 Date Sampled: 04/06/2010 0955
Client Matrix: Ground Water Date Received: 04/06/2010 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	2.1	J B	mg/L	0.56	4.8	1.0	1664A
Analysis Batch: 500-83882	Date Analyzed: 04/14/2010 1118						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 0946						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56722	Date Analyzed: 04/07/2010 0814						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-57132	Date Analyzed: 04/15/2010 1546						
Prep Batch: 360-57120	Date Prepared: 04/15/2010 1129						
Phenols, Total	0.048		mg/L	0.0078	0.0078	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1515						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	22		mg/L	10	10	1.0	SM 2540D
Analysis Batch: 360-56848	Date Analyzed: 04/09/2010 0847						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56838	Date Analyzed: 04/07/2010 0855						
pH	7.08	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56742	Date Analyzed: 04/07/2010 0924						

General Chemistry

Client Sample ID: **STS-MW-1**

Lab Sample ID: 360-27593-3 Date Sampled: 04/06/2010 1130
Client Matrix: Ground Water Date Received: 04/06/2010 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	1.8	J	mg/L	0.57	4.8	1.0	1664A
Analysis Batch: 500-83717	Date Analyzed: 04/12/2010 1445						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 1005						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56722	Date Analyzed: 04/07/2010 0814						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-57132	Date Analyzed: 04/15/2010 1547						
Prep Batch: 360-57120	Date Prepared: 04/15/2010 1129						
Phenols, Total	ND		mg/L	0.0076	0.0076	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1516						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	43		mg/L	5.0	5.0	1.0	SM 2540D
Analysis Batch: 360-56848	Date Analyzed: 04/09/2010 0847						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56838	Date Analyzed: 04/07/2010 0855						
pH	7.72	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56742	Date Analyzed: 04/07/2010 0920						

General Chemistry

Client Sample ID: **WSA-MW-05**

Lab Sample ID: 360-27593-4 Date Sampled: 04/06/2010 1410
Client Matrix: Ground Water Date Received: 04/06/2010 1750

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	3.3	J	mg/L	0.57	4.8	1.0	1664A
Analysis Batch: 500-83717	Date Analyzed: 04/12/2010 1450						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 1023						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56722	Date Analyzed: 04/07/2010 0814						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-57132	Date Analyzed: 04/15/2010 1548						
Prep Batch: 360-57120	Date Prepared: 04/15/2010 1129						
Phenols, Total	0.55		mg/L	0.040	0.040	5.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1524						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	12		mg/L	10	10	1.0	SM 2540D
Analysis Batch: 360-56848	Date Analyzed: 04/09/2010 0847						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56838	Date Analyzed: 04/07/2010 0855						
pH	7.26	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56742	Date Analyzed: 04/07/2010 0928						

DATA REPORTING QUALIFIERS

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
GC Semi VOA		
	X	Surrogate is outside control limits
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	HF	Field parameter with a holding time of 15 minutes
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Roux Associates, Inc. Job Number: 360-27593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-57074					
LCS 360-57074/3	Lab Control Sample	T	Water	8260B	
LCSD 360-57074/4	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-57074/6	Method Blank	T	Water	8260B	
360-27593-1	STS-MW-3	T	Water	8260B	
360-27593-2	HPMW-1	T	Water	8260B	
360-27593-3	STS-MW-1	T	Water	8260B	
360-27593-4	WSA-MW-05	T	Water	8260B	
360-27593-5TB	TRIP BLANK	T	Water	8260B	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 360-56946					
LCS 360-56946/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-56946/1-A	Method Blank	T	Water	3510C	
360-27593-2	HPMW-1	T	Water	3510C	
360-27593-3	STS-MW-1	T	Water	3510C	
360-27593-4	WSA-MW-05	T	Water	3510C	
Analysis Batch:360-57091					
LCS 360-56946/2-A	Lab Control Sample	T	Water	8270C LL	360-56946
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	360-56946
MB 360-56946/1-A	Method Blank	T	Water	8270C LL	360-56946
360-27593-2	HPMW-1	T	Water	8270C LL	360-56946
360-27593-3	STS-MW-1	T	Water	8270C LL	360-56946
360-27593-4	WSA-MW-05	T	Water	8270C LL	360-56946

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-56855					
LCS 360-56855/2-A	Lab Control Sample	T	Water	CWA_Prep	
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	CWA_Prep	
MB 360-56855/1-A	Method Blank	T	Water	CWA_Prep	
360-27593-3	STS-MW-1	T	Water	CWA_Prep	
360-27593-4	WSA-MW-05	T	Water	CWA_Prep	
Analysis Batch:360-56932					
LCS 360-56855/2-A	Lab Control Sample	T	Water	608	360-56855
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	608	360-56855
MB 360-56855/1-A	Method Blank	T	Water	608	360-56855
360-27593-3	STS-MW-1	T	Water	608	360-56855
360-27593-4	WSA-MW-05	T	Water	608	360-56855
Prep Batch: 360-56981					
LCS 360-56981/2-A	Lab Control Sample	T	Water	CWA_Prep	
LCSD 360-56981/3-A	Lab Control Sample Duplicate	T	Water	CWA_Prep	
MB 360-56981/1-A	Method Blank	T	Water	CWA_Prep	
360-27593-2	HPMW-1	T	Water	CWA_Prep	
Analysis Batch:360-57083					
LCS 360-56981/2-A	Lab Control Sample	T	Water	608	360-56981
LCSD 360-56981/3-A	Lab Control Sample Duplicate	T	Water	608	360-56981
MB 360-56981/1-A	Method Blank	T	Water	608	360-56981
360-27593-2	HPMW-1	T	Water	608	360-56981
Prep Batch: 360-57179					
LCS 360-57179/2-A	Lab Control Sample	T	Water	8011	
LCSD 360-57179/3-A	Lab Control Sample Duplicate	T	Water	8011	
MB 360-57179/1-A	Method Blank	T	Water	8011	
360-27593-1	STS-MW-3	T	Water	8011	
360-27593-2	HPMW-1	T	Water	8011	
360-27593-3	STS-MW-1	T	Water	8011	
360-27593-4	WSA-MW-05	T	Water	8011	
Analysis Batch:360-57185					
LCS 360-57179/2-A	Lab Control Sample	T	Water	8011	360-57179
LCSD 360-57179/3-A	Lab Control Sample Duplicate	T	Water	8011	360-57179
MB 360-57179/1-A	Method Blank	T	Water	8011	360-57179
360-27593-1	STS-MW-3	T	Water	8011	360-57179
360-27593-2	HPMW-1	T	Water	8011	360-57179
360-27593-3	STS-MW-1	T	Water	8011	360-57179
360-27593-4	WSA-MW-05	T	Water	8011	360-57179

Client: Roux Associates, Inc. Job Number: 360-27593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
Metals					
Prep Batch: 360-56728					
LCS 360-56728/2-A	Lab Control Sample	T	Water	200.7	
LCSD 360-56728/3-A	Lab Control Sample Duplicate	T	Water	200.7	
MB 360-56728/1-A	Method Blank	T	Water	200.7	
360-27593-1	STS-MW-3	T	Water	200.7	
360-27593-2	HPMW-1	T	Water	200.7	
360-27593-3	STS-MW-1	T	Water	200.7	
360-27593-4	WSA-MW-05	T	Water	200.7	
Prep Batch: 360-56738					
LCS 360-56738/2-A	Lab Control Sample	T	Water	245.1	
LCSD 360-56738/3-A	Lab Control Sample Duplicate	T	Water	245.1	
MB 360-56738/1-A	Method Blank	T	Water	245.1	
360-27593-1	STS-MW-3	T	Water	245.1	
360-27593-2	HPMW-1	T	Water	245.1	
360-27593-3	STS-MW-1	T	Water	245.1	
360-27593-4	WSA-MW-05	T	Water	245.1	
Analysis Batch:360-56788					
LCS 360-56728/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	360-56728
LCSD 360-56728/3-A	Lab Control Sample Duplicate	T	Water	200.7 Rev 4.4	360-56728
MB 360-56728/1-A	Method Blank	T	Water	200.7 Rev 4.4	360-56728
360-27593-1	STS-MW-3	T	Water	200.7 Rev 4.4	360-56728
360-27593-2	HPMW-1	T	Water	200.7 Rev 4.4	360-56728
360-27593-3	STS-MW-1	T	Water	200.7 Rev 4.4	360-56728
360-27593-4	WSA-MW-05	T	Water	200.7 Rev 4.4	360-56728
Analysis Batch:360-56826					
LCS 360-56738/2-A	Lab Control Sample	T	Water	245.1	360-56738
LCSD 360-56738/3-A	Lab Control Sample Duplicate	T	Water	245.1	360-56738
MB 360-56738/1-A	Method Blank	T	Water	245.1	360-56738
360-27593-1	STS-MW-3	T	Water	245.1	360-56738
360-27593-2	HPMW-1	T	Water	245.1	360-56738
360-27593-3	STS-MW-1	T	Water	245.1	360-56738
360-27593-4	WSA-MW-05	T	Water	245.1	360-56738

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-56722					
LCS 360-56722/10	Lab Control Sample	T	Water	7196A	
LCSD 360-56722/11	Lab Control Sample Duplicate	T	Water	7196A	
MB 360-56722/9	Method Blank	T	Water	7196A	
360-27593-1	STS-MW-3	T	Water	7196A	
360-27593-2	HPMW-1	T	Water	7196A	
360-27593-3	STS-MW-1	T	Water	7196A	
360-27593-4	WSA-MW-05	T	Water	7196A	
Analysis Batch:360-56742					
LCS 360-56742/1	Lab Control Sample	T	Water	SM 4500 H+ B	
360-27593-1	STS-MW-3	T	Water	SM 4500 H+ B	
360-27593-1DU	Duplicate	T	Water	SM 4500 H+ B	
360-27593-2	HPMW-1	T	Water	SM 4500 H+ B	
360-27593-3	STS-MW-1	T	Water	SM 4500 H+ B	
360-27593-4	WSA-MW-05	T	Water	SM 4500 H+ B	
Analysis Batch:360-56838					
LCS 360-56838/2	Lab Control Sample	T	Water	SM 4500 Cl F	
LCSD 360-56838/3	Lab Control Sample Duplicate	T	Water	SM 4500 Cl F	
MB 360-56838/1	Method Blank	T	Water	SM 4500 Cl F	
360-27593-1	STS-MW-3	T	Water	SM 4500 Cl F	
360-27593-1MS	Matrix Spike	T	Water	SM 4500 Cl F	
360-27593-1MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl F	
360-27593-2	HPMW-1	T	Water	SM 4500 Cl F	
360-27593-3	STS-MW-1	T	Water	SM 4500 Cl F	
360-27593-4	WSA-MW-05	T	Water	SM 4500 Cl F	
Analysis Batch:360-56848					
LCS 360-56848/2	Lab Control Sample	T	Water	SM 2540D	
MB 360-56848/1	Method Blank	T	Water	SM 2540D	
360-27593-1	STS-MW-3	T	Water	SM 2540D	
360-27593-2	HPMW-1	T	Water	SM 2540D	
360-27593-3	STS-MW-1	T	Water	SM 2540D	
360-27593-4	WSA-MW-05	T	Water	SM 2540D	
Prep Batch: 360-57058					
LCS 360-57058/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 360-57058/1-A	Method Blank	T	Water	Distill/Phenol	
360-27593-2	HPMW-1	T	Water	Distill/Phenol	
360-27593-3	STS-MW-1	T	Water	Distill/Phenol	
360-27593-4	WSA-MW-05	T	Water	Distill/Phenol	

Client: Roux Associates, Inc. Job Number: 360-27593-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-57060					
LCS 360-57058/2-A	Lab Control Sample	T	Water	L210-001A	360-57058
MB 360-57058/1-A	Method Blank	T	Water	L210-001A	360-57058
360-27593-2	HPMW-1	T	Water	L210-001A	360-57058
360-27593-3	STS-MW-1	T	Water	L210-001A	360-57058
360-27593-4	WSA-MW-05	T	Water	L210-001A	360-57058
Prep Batch: 360-57120					
LCS 360-57120/2-A	Lab Control Sample	T	Water	Distill/CN	
MB 360-57120/1-A	Method Blank	T	Water	Distill/CN	
360-27593-1	STS-MW-3	T	Water	Distill/CN	
360-27593-2	HPMW-1	T	Water	Distill/CN	
360-27593-3	STS-MW-1	T	Water	Distill/CN	
360-27593-4	WSA-MW-05	T	Water	Distill/CN	
Analysis Batch:360-57132					
LCS 360-57120/2-A	Lab Control Sample	T	Water	L204001A CN	360-57120
MB 360-57120/1-A	Method Blank	T	Water	L204001A CN	360-57120
360-27593-1	STS-MW-3	T	Water	L204001A CN	360-57120
360-27593-2	HPMW-1	T	Water	L204001A CN	360-57120
360-27593-3	STS-MW-1	T	Water	L204001A CN	360-57120
360-27593-4	WSA-MW-05	T	Water	L204001A CN	360-57120
Prep Batch: 500-83716					
LCS 500-83716/2-A	Lab Control Sample	T	Water	1664A	
MB 500-83716/1-A	Method Blank	T	Water	1664A	
360-27593-2	HPMW-1	T	Water	1664A	
360-27593-3	STS-MW-1	T	Water	1664A	
360-27593-4	WSA-MW-05	T	Water	1664A	
Analysis Batch:500-83717					
360-27593-3	STS-MW-1	T	Water	1664A	500-83716
360-27593-4	WSA-MW-05	T	Water	1664A	500-83716
Analysis Batch:500-83882					
LCS 500-83716/2-A	Lab Control Sample	T	Water	1664A	500-83716
MB 500-83716/1-A	Method Blank	T	Water	1664A	500-83716
360-27593-2	HPMW-1	T	Water	1664A	500-83716

Report Basis
T = Total

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-27593-1	STS-MW-3	100	120	91
360-27593-2	HPMW-1	144X	102	86
360-27593-3	STS-MW-1	100	115	90
360-27593-4	WSA-MW-05	149X	88	94
360-27593-5	TRIP BLANK	99	123	88
MB 360-57074/6		94	120	88
LCS 360-57074/3		116	90	103
LCSD 360-57074/4		114	90	102

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	PHL %Rec	TPH %Rec	NBZ %Rec
360-27593-2	HPMW-1	94	75	33	19	79	63
360-27593-3	STS-MW-1	91	72	25	15	91	59
360-27593-4	WSA-MW-05	92	41	65	11X	77	119
MB 360-56946/1-A		66	67	30	17	90	65
LCS 360-56946/2-A		81	83	26	15	81	81
LCSD 360-56946/3-A		78	77	24	14X	81	73

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	15-110
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol	15-110
PHL = Phenol-d5	15-110
TPH = Terphenyl-d14	30-130
NBZ = Nitrobenzene-d5	30-130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
360-27593-2	HPMW-1	62	43
360-27593-3	STS-MW-1	83	75
360-27593-4	WSA-MW-05	59	26X
MB 360-56855/1-A		76	107
MB 360-56981/1-A		70	103
LCS 360-56855/2-A		80	106
LCS 360-56981/2-A		75	97
LCSD 360-56855/3-A		86	110
LCSD 360-56981/3-A		76	92

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Method Blank - Batch: 360-57074

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 360-57074/6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2010 0302
Date Prepared: 04/15/2010 0302

Analysis Batch: 360-57074
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent#2 GC/MS
Lab File ID: V11001.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	94	70 - 130
Dibromofluoromethane	120	70 - 130
Toluene-d8 (Surr)	88	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57074

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-57074/3	Analysis Batch:	360-57074	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10998.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0158			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0158				

LCSD Lab Sample ID:	LCSD 360-57074/4	Analysis Batch:	360-57074	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V10999.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/15/2010 0220			Final Weight/Volume:	5 mL
Date Prepared:	04/15/2010 0220				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	105	105	70 - 130	1	25		
Toluene	102	100	70 - 130	1	25		
Ethylbenzene	98	97	70 - 130	2	25		
o-Xylene	86	84	70 - 130	2	25		
m-Xylene & p-Xylene	101	99	70 - 130	3	25		
Methyl tert-butyl ether	114	117	70 - 130	3	25		
Butyl alcohol, tert-	99	112	70 - 130	12	25		
Tert-amyl methyl ether	109	112	70 - 130	3	25		
Carbon tetrachloride	104	100	70 - 130	3	25		
1,1,1-Trichloroethane	105	102	70 - 130	3	25		
1,1,2-Trichloroethane	100	103	70 - 130	3	25		
1,1-Dichloroethane	103	102	70 - 130	1	25		
1,1-Dichloroethene	94	91	70 - 130	3	25		
1,2-Dichlorobenzene	100	101	70 - 130	1	25		
1,2-Dichloroethane	102	104	70 - 130	3	25		
1,3-Dichlorobenzene	112	113	70 - 130	0	25		
1,4-Dioxane	102	111	70 - 130	8	25		
1,4-Dichlorobenzene	101	101	70 - 130	0	25		
Acetone	102	109	70 - 130	7	25		
cis-1,2-Dichloroethene	99	101	70 - 130	1	25		
Methylene Chloride	110	111	70 - 130	1	25		
Tetrachloroethene	111	109	70 - 130	2	25		
Trichloroethene	115	113	70 - 130	2	25		
Vinyl chloride	94	91	70 - 130	3	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	116	114	70 - 130
Dibromofluoromethane	90	90	70 - 130
Toluene-d8 (Surr)	103	102	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

Lab Sample ID: MB 360-56946/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 2308
Date Prepared: 04/12/2010 1517

Analysis Batch: 360-57091
Prep Batch: 360-56946
Units: ug/L

Instrument ID: Inst. B
Lab File ID: B11623.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		0.50	5.0
2,4,6-Trichlorophenol	ND		0.50	5.0
2,4-Dichlorophenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		0.50	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2-Chlorophenol	ND		0.50	5.0
2-Methylphenol	ND		0.50	5.0
2-Nitrophenol	ND		0.50	5.0
3 & 4 Methylphenol	ND		0.50	5.0
4,6-Dinitro-2-methylphenol	ND		0.50	5.0
4-Chloro-3-methylphenol	ND		0.50	5.0
4-Nitrophenol	ND		0.50	5.0
Acenaphthene	ND		0.050	1.0
Acenaphthylene	ND		0.050	0.30
Anthracene	ND		0.070	1.0
Benzo[a]anthracene	ND		0.17	0.30
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.14	0.30
Benzo[g,h,i]perylene	ND		0.094	0.50
Benzo[k]fluoranthene	ND		0.17	0.30
Bis(2-ethylhexyl) phthalate	ND		0.50	2.0
Butyl benzyl phthalate	ND		0.50	5.0
Chrysene	ND		0.17	1.0
Di-n-butyl phthalate	1.30	J	0.60	5.0
Di-n-octyl phthalate	ND		0.73	5.0
Dibenz(a,h)anthracene	ND		0.064	0.50
Diethyl phthalate	ND		0.50	5.0
Dimethyl phthalate	ND		0.50	5.0
Fluoranthene	ND		0.20	1.0
Fluorene	ND		0.050	1.0
Indeno[1,2,3-cd]pyrene	ND		0.079	0.50
Naphthalene	ND		0.050	1.0
Pentachlorophenol	ND		0.50	1.0
Phenanthrene	ND		0.085	0.20
Phenol	ND		0.50	5.0
Pyrene	ND		0.19	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	66	15 - 110
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol	30	15 - 110
Phenol-d5	17	15 - 110
Terphenyl-d14	90	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	65	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-Trichlorophenol	98	90	30 - 130	9	20		
2,4,6-Trichlorophenol	94	86	30 - 130	9	20		
2,4-Dichlorophenol	88	81	30 - 130	7	20		
2,4-Dinitrophenol	78	77	30 - 130	1	20		
2,4-Dimethylphenol	88	72	30 - 130	19	20		
2-Chlorophenol	57	54	40 - 130	5	20		
2-Methylphenol	50	45	30 - 130	11	20		J
2-Nitrophenol	80	74	30 - 130	8	20		
3 & 4 Methylphenol	48	44	30 - 130	8	20	J	J
4,6-Dinitro-2-methylphenol	88	85	30 - 130	4	20		
4-Chloro-3-methylphenol	82	74	30 - 130	11	20		
4-Nitrophenol	26	25	30 - 130	2	20	J *	J *
Acenaphthene	83	79	40 - 140	6	20		
Acenaphthylene	79	76	40 - 140	4	20		
Anthracene	86	86	40 - 140	1	20		
Benzo[a]anthracene	93	95	40 - 140	1	20		
Benzo[a]pyrene	92	93	40 - 140	1	20		
Benzo[b]fluoranthene	79	79	40 - 140	0	20		
Benzo[g,h,i]perylene	94	91	40 - 140	4	20		
Benzo[k]fluoranthene	90	91	40 - 140	1	20		
Bis(2-ethylhexyl) phthalate	99	102	40 - 140	3	20		
Butyl benzyl phthalate	91	94	40 - 140	4	20		
Chrysene	90	92	40 - 140	2	20		
Di-n-butyl phthalate	85	89	40 - 140	4	20		
Di-n-octyl phthalate	91	93	40 - 140	2	20		
Dibenz(a,h)anthracene	101	96	40 - 140	5	20		
Diethyl phthalate	82	80	40 - 140	2	20		
Dimethyl phthalate	81	78	40 - 140	4	20		
Fluoranthene	96	97	40 - 140	1	20		
Fluorene	82	79	40 - 140	3	20		
Indeno[1,2,3-cd]pyrene	100	98	40 - 140	2	20		
Naphthalene	66	62	40 - 140	5	20		
Pentachlorophenol	88	88	30 - 130	0	20		

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenanthrene	75	75	40 - 140	1	20		
Phenol	17	16	30 - 130	7	20	J *	J *
Pyrene	82	84	40 - 140	2	20		

Surrogate	LCS % Rec	LCSD % Rec		Acceptance Limits
2,4,6-Tribromophenol	81	78		15 - 110
2-Fluorobiphenyl	83	77		30 - 130
2-Fluorophenol	26	24		15 - 110
Phenol-d5	15	14	X	15 - 110
Terphenyl-d14	81	81		30 - 130
Nitrobenzene-d5	81	73		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

Lab Sample ID: MB 360-56855/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1046
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3465.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.27	1.0
PCB-1221	ND		0.44	1.0
PCB-1232	ND		0.34	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.38	1.0
PCB-1254	ND		0.34	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	30 - 150
DCB Decachlorobiphenyl	107	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

LCS Lab Sample ID: LCS 360-56855/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1110
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3466.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-56855/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1135
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3467.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	84	90	50 - 114	6	50		
PCB-1260	86	97	8 - 127	13	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	80	86	30 - 150
DCB Decachlorobiphenyl	106	110	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56981

Method: 608
Preparation: CWA_Prep

Lab Sample ID: MB 360-56981/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1823
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3483.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.27	1.0
PCB-1221	ND		0.44	1.0
PCB-1232	ND		0.34	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.38	1.0
PCB-1254	ND		0.34	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	70	30 - 150
DCB Decachlorobiphenyl	103	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56981

Method: 608
Preparation: CWA_Prep

LCS Lab Sample ID: LCS 360-56981/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1847
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3484.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-56981/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1912
Date Prepared: 04/13/2010 1109

Analysis Batch: 360-57083
Prep Batch: 360-56981
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3485.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	74	78	50 - 114	6	50		
PCB-1260	79	80	8 - 127	2	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	75	76	30 - 150
DCB Decachlorobiphenyl	97	92	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-57179

Method: 8011
Preparation: 8011

Lab Sample ID: MB 360-57179/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1503
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12615.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Ethylene Dibromide	ND		0.0070	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57179

Method: 8011
Preparation: 8011

LCS Lab Sample ID: LCS 360-57179/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1523
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12616.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-57179/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 1544
Date Prepared: 04/16/2010 0900

Analysis Batch: 360-57185
Prep Batch: 360-57179
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12617.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylene Dibromide	83	89	70 - 130	7	20		

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Method Blank - Batch: 360-56728

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 360-56728/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 1547
Date Prepared: 04/07/2010 0900

Analysis Batch: 360-56788
Prep Batch: 360-56728
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	ND		1.8	5.0
Arsenic	ND		2.3	10
Cadmium	ND		0.20	1.0
Chromium	ND		1.3	5.0
Copper	ND		1.7	10
Iron	ND		34	100
Nickel	ND		1.5	10
Lead	ND		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	ND		10	50

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56728

Method: 200.7 Rev 4.4
Preparation: 200.7

LCS Lab Sample ID:	LCS 360-56728/2-A	Analysis Batch:	360-56788	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56728	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1550			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

LCSD Lab Sample ID:	LCSD 360-56728/3-A	Analysis Batch:	360-56788	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56728	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/07/2010 1553			Final Weight/Volume:	50 mL
Date Prepared:	04/07/2010 0900				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	98	102	85 - 115	4	20		
Arsenic	98	102	85 - 115	3	20		
Cadmium	98	101	85 - 115	4	20		
Chromium	100	104	85 - 115	4	20		
Copper	101	104	85 - 115	3	20		
Iron	100	102	85 - 115	2	20		
Nickel	99	102	85 - 115	3	20		
Lead	98	101	85 - 115	3	20		
Antimony	99	104	85 - 115	4	20		
Selenium	98	102	85 - 115	4	20		
Zinc	97	101	85 - 115	3	20		

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56738

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 360-56738/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1203
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.065	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56738

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 360-56738/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1204
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 360-56738/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1206
Date Prepared: 04/07/2010 1024

Analysis Batch: 360-56826
Prep Batch: 360-56738
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	90	96	80 - 120	7	20		

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Method Blank - Batch: 500-83716

Method: 1664A
Preparation: 1664A

Lab Sample ID: MB 500-83716/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1000
Date Prepared: 04/12/2010 0815

Analysis Batch: 500-83882
Prep Batch: 500-83716
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Result	Qual	MDL	RL
SGT-HEM	0.700	J	0.59	5.0

Lab Control Sample - Batch: 500-83716

Method: 1664A
Preparation: 1664A

Lab Sample ID: LCS 500-83716/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1026
Date Prepared: 04/12/2010 0833

Analysis Batch: 500-83882
Prep Batch: 500-83716
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1000 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
SGT-HEM	20.0	12.9	64	64 - 132	

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56722

Method: 7196A
Preparation: N/A

Lab Sample ID: MB 360-56722/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0814
Date Prepared: N/A

Analysis Batch: 360-56722
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Cr (VI)	ND		0.0050	0.0050

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56722

Method: 7196A
Preparation: N/A

LCS Lab Sample ID: LCS 360-56722/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0814
Date Prepared: N/A

Analysis Batch: 360-56722
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56722/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0814
Date Prepared: N/A

Analysis Batch: 360-56722
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cr (VI)	102	102	80 - 120	0	20		

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Method Blank - Batch: 360-57120

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: MB 360-57120/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2010 1528
Date Prepared: 04/15/2010 1129

Analysis Batch: 360-57132
Prep Batch: 360-57120
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Cyanide, Total	ND		0.010	0.010

Lab Control Sample - Batch: 360-57120

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: LCS 360-57120/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2010 1529
Date Prepared: 04/15/2010 1129

Analysis Batch: 360-57132
Prep Batch: 360-57120
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.106	106	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: MB 360-57058/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1509
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.0074	0.0074

Lab Control Sample - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: LCS 360-57058/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1510
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.100	0.101	101	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56848

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 360-56848/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2010 0847
Date Prepared: N/A

Analysis Batch: 360-56848
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Total Suspended Solids	ND		2.0	2.0

Lab Control Sample - Batch: 360-56848

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 360-56848/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2010 0847
Date Prepared: N/A

Analysis Batch: 360-56848
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	200	171	85	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27593-1

Method Blank - Batch: 360-56838

Method: SM 4500 Cl F
Preparation: N/A

Lab Sample ID: MB 360-56838/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56838
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Chlorine	ND		0.020	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56838

Method: SM 4500 Cl F
Preparation: N/A

LCS Lab Sample ID: LCS 360-56838/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56838
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56838/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56838
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorine	107	99	85 - 115	8	25		

Client: Roux Associates, Inc. Job Number: 360-27593-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-56838

Method: SM 4500 Cl F
Preparation: N/A

MS Lab Sample ID:	360-27593-1	Analysis Batch:	360-56838	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/07/2010 0855			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	360-27593-1	Analysis Batch:	360-56838	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/07/2010 0855			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorine	94	112	75 - 125	17	20		

Client: Roux Associates, Inc. Job Number: 360-27593-1

Lab Control Sample - Batch: 360-56742

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: LCS 360-56742/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0909
Date Prepared: N/A

Analysis Batch: 360-56742
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.00	5.910	98	90 - 110	

Duplicate - Batch: 360-56742

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 360-27593-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 0916
Date Prepared: N/A

Analysis Batch: 360-56742
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.03	7.090	1	20	

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli					
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Login Number: 27593

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	5.8 C / 4.6 C / 5.6 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	False	One amber liter received with no ID on cap/label
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27593-1

Login Number: 27593
Creator: Lunt, Jeff T
List Number: 1

List Source: TestAmerica Chicago
List Creation: 04/08/10 03:48 PM

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

009113

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: ROUX ASSOCIATES, INC
Address: 67 S. BEDFORD ST Suite 101W
Burlington, MA 01803
Phone: 781.270.6600 Fax: 781.270.9066

Client Project #:
Site ID & State: EVERETT TERMINAL / MA
Reports Sent To: JEFF LACROIX
Email: JLacroix@rouxinc.com Email Rpt: ☐

Job# 360-27593 | Quote# | PO#

Shaded areas for office use
Invoice same as Report to? ☐
If Invoice contact or address different, note in *Comments*.

Comments *(Special Instructions)*

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD X RUSH ____ *(Lab Approval Required)*

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☐ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
STS-MW-3	GW	RFS	4.6.10 0900		X											SEE	Comments								
HPMW-1	GW	RFS	4.6.10 0955		X											SEE	Comments								
STS-MW-1	GW	RFS	4.6.10 1130		X											SEE	Comments								
WSA-MW-05	GW	RFS	4.6.10 1410		X											SEE	Comments								
TRIP Blank	AQ																								
			4/6/10																						

Comments:
4500-Cl_P-Chlorine
245.1 Mercury
200.7 [redacted] Book 1 ICP
8260B - Appendix IX
8011 - Ethylene Dibromide
7196A - Cr (VI)
2540D - Total Suspended Solids
SM4500-H+-pH
LACH_204-00-1_A - Cyanide Total

Samples HPMW-1, STS-MW-1
WSA-MW-05 Rev:
8270C Appendix IX
608 PCB
Lach-210-00-1A-Metals
1664A-calc-SGT-Hem
per Rich Souza
Rev 4/7/10

Sampled by (print): RICHARD SOUZA Signature:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	4/6/10	1530		4-6-10	1530
	4-6-10	1750		4/6/10	1750
	Date:	Time:		Date:	Time:

Cooler ? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 5.8°C / 4.6°C °C
5.6°C
Preservation / pH checked? Y / N
By: ____ Date: 4/6/10

TestAmerica Westfield

White = Lab file Pink = Customer copy

WI-QA-010-REV 5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 360-27623-1

Job Description: Everett Terminal MA

For:
Roux Associates, Inc.
67 South Bedford St
Suite 101W
Burlington, MA 01803

Attention: Mr. Jeff Lacroix

Approved for release.
Joe Chimi
Report Production Representative
4/21/10 2:36 PM

Designee for
Becky C Mason
Project Manager II
becky.mason@testamericainc.com
04/21/2010

Results relate only to the items tested and the sample(s) as received by the laboratory. The test results in this report meet all NELAC requirements for accredited parameters, exceptions are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY ELAP 10843, North Carolina 647, NELAP PA 68-04386. Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

Table of Contents

CASE NARRATIVE

Client: Roux Associates, Inc.

Project: Everett Terminal MA

Report Number: 360-27623-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 04/07/2010; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 5.8 and 8.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 360-27623-1 and 360-27623-3 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/17/2010.

Acetone failed the CCV criteria high.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples 360-27623-1 and 360-27623-2 were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 8270C LL. The samples were prepared on 04/12/2010 and analyzed on 04/15/2010.

Di-n-butyl phthalate was detected in method blank MB 360-56946/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Phenol-d5 failed the surrogate recovery criteria low for 360-27623-1 and LCSD 360-56946/3-A. Refer to the QC report for details. Per method SOP, re-extraction is only required if two or more surrogates from any one fraction fail or any single surrogate falls below 10%.

4-Nitrophenol and Phenol failed the recovery criteria low for LCS 360-56946/2-A and LCSD 360-56946/3-A. Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analyses.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples 360-27623-1 and 360-27623-2 were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA Method 608. The samples were prepared on 04/09/2010 and analyzed on 04/12/2010.

No difficulties were encountered during the PCBs analyses.

All quality control parameters were within the acceptance limits.

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY
Sample 360-27623-1 was analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The sample was prepared and analyzed on 04/19/2010.

No difficulties were encountered during the EDB and DBCP analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS
Sample 360-27623-1 was analyzed for total metals in accordance with EPA Method 200.7. The sample was prepared on 04/08/2010 and analyzed on 04/09/2010.

No difficulties were encountered during the total metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY
Sample 360-27623-1 was analyzed for total mercury in accordance with EPA Method 245.1. The sample was prepared and analyzed on 04/08/2010.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

HEM AND SGT-HEM
Samples 360-27623-1 and 360-27623-2 were analyzed for HEM and SGT-HEM in accordance with EPA Method 1664A. The samples were prepared and analyzed on 04/12/2010.

This analysis was performed at TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484.

Samples 360-27623-1 and 360-27623-2 prep batch 500-83716, analytical batch 500-83717
(analyzed as HEM, since the samples were non-detect for HEM and did not require silica gel treatment)
MB 0.8 mg/L 5.0 mg/L RL
LCS Observed 34.5 mg/L True value 40 mg/L 86% recovery limits 78-114%
LCSD Observed 34.7 mg/L True value 40 mg/L 87% recovery limits 78-114%

HEXAVALENT CHROMIUM
Sample 360-27623-1 was analyzed for hexavalent chromium in accordance with EPA SW-846 Method 7196A. The sample was analyzed on 04/08/2010.

Cr (VI) failed the recovery criteria low for the MS and MSD of sample 360-27623-1 in batch 360-56797. The associated LCS and LCSD recovered within control limits. Refer to the QC report for details.

No other difficulties were encountered during the hexavalent chromium analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Sample 360-27623-1 was analyzed for total cyanide in accordance with LACHAT 210-00-1-A. The sample was prepared and analyzed on 04/15/2010.

No difficulties were encountered during the total cyanide analysis.

All quality control parameters were within the acceptance limits.

TOTAL PHENOLS
Samples 360-27623-1 and 360-27623-2 were analyzed for total phenols in accordance with LACHAT 210-00-1-A. The samples were prepared and analyzed on 04/14/2010.

No difficulties were encountered during the total phenols analyses.

All quality control parameters were within the acceptance limits.

TOTAL SUSPENDED SOLIDS
Sample 360-27623-1 was analyzed for total suspended solids in accordance with SM 2540D. The sample was analyzed on 04/09/2010.

No difficulties were encountered during the TSS analysis.

All quality control parameters were within the acceptance limits.

CHLORINE RESIDUAL

Sample 360-27623-1 was analyzed for Chlorine Residual in accordance with SM 4500Cl F. The sample was analyzed on 04/08/2010.

No difficulties were encountered during the Res. Chlorine analysis.

All quality control parameters were within the acceptance limits.

PH

Sample 360-27623-1 was analyzed for pH in accordance with SM 4500 H+. The sample was analyzed on 04/08/2010.

No difficulties were encountered during the pH analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
360-27623-1	**STS-MW-2**					
o-Xylene		0.75	J	1.0	ug/L	8260B
Acenaphthene		4.2		0.91	ug/L	8270C LL
Anthracene		0.75	J	0.91	ug/L	8270C LL
Fluoranthene		0.24	J	0.91	ug/L	8270C LL
Fluorene		3.3		0.91	ug/L	8270C LL
Phenanthrene		2.3		0.18	ug/L	8270C LL
Pyrene		0.28	J	4.5	ug/L	8270C LL
Cadmium		0.36	J	1.0	ug/L	200.7 Rev 4.4
Copper		8.8	J	10	ug/L	200.7 Rev 4.4
Iron		16000		100	ug/L	200.7 Rev 4.4
Nickel		3.0	J	10	ug/L	200.7 Rev 4.4
Lead		4.6	J	5.0	ug/L	200.7 Rev 4.4
Zinc		22	J	50	ug/L	200.7 Rev 4.4
SGT-HEM		1.5	J	4.7	mg/L	1664A
Phenols, Total		0.0077		0.0072	mg/L	L210-001A
Total Suspended Solids		28		10	mg/L	SM 2540D
pH		6.72	HF	0.100	SU	SM 4500 H+ B
360-27623-2	**STS-MW-3**					
Butyl benzyl phthalate		1.7	J	4.7	ug/L	8270C LL
Di-n-butyl phthalate		0.63	J B	4.7	ug/L	8270C LL
SGT-HEM		1.1	J	4.8	mg/L	1664A
Phenols, Total		0.067		0.0078	mg/L	L210-001A

METHOD SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27623-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C LL	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Organochlorine Pesticides/PCBs in Water	TAL WFD	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		40CFR136A CWA_Prep
EDB, DBCP, and 1,2,3-TCP (GC)	TAL WFD	SW846 8011	
Microextraction	TAL WFD		SW846 8011
Metals (ICP)	TAL WFD	EPA 200.7 Rev 4.4	
Preparation, Total Metals	TAL WFD		EPA 200.7
Mercury (CVAA)	TAL WFD	EPA 245.1	
Preparation, Mercury	TAL WFD		EPA 245.1
HEM and SGT-HEM	TAL CHI	1664A 1664A	
HEM and SGT-HEM (SPE)	TAL CHI		1664A 1664A
Chromium, Hexavalent	TAL WFD	SW846 7196A	
Cyanide, Total	TAL WFD	LACHAT L204001A CN	
Distillation, Cyanide	TAL WFD		Distill/CN
Phenolics, Total Recoverable	TAL WFD	LACHAT L210-001A	
Distillation, Phenolics	TAL WFD		Distill/Phenol
Solids, Total Suspended (TSS)	TAL WFD	SM SM 2540D	
Chlorine, Residual	TAL WFD	SM SM 4500 Cl F	
pH	TAL WFD	SM SM 4500 H+ B	

Lab References:

TAL CHI = TestAmerica Chicago

TAL WFD = TestAmerica Westfield

Method References:

1664A = EPA-821-98-002

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

LACHAT = LACHAT

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method	Analyst	Analyst ID
SW846 8260B	Weigel, Brian	BW
SW846 8270C LL	Sullivan, Pat J	PJS
40CFR136A 608	Sullivan, Pat J	PJS
SW846 8011	Sullivan, Pat J	PJS
EPA 200.7 Rev 4.4	Smith, Tim J	TJS
EPA 245.1	Smith, Tim J	TJS
1664A 1664A	Brogan, Mary T	MTB
SW846 7196A	Emerich, Rich W	RWE
LACHAT L204001A CN	Lalashius, Andrew L	ALL
LACHAT L210-001A	Lalashius, Andrew L	ALL
SM SM 2540D	Lalashius, Andrew L	ALL
SM SM 4500 Cl F	Benoit, Gary R	GRB
SM SM 4500 H+ B	Emerich, Rich W	RWE

SAMPLE SUMMARY

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-27623-1	STS-MW-2	Ground Water	04/07/2010 1220	04/07/2010 1910
360-27623-2	STS-MW-3	Ground Water	04/07/2010 0900	04/07/2010 1910
360-27623-3TB	TRIP BLANK	Water	04/07/2010 0900	04/07/2010 1910

SAMPLE RESULTS

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57224	Instrument ID: Agilent#2 GC/MS
Preparation:	5030B		Lab File ID: V11075.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	04/17/2010 0013		Final Weight/Volume: 5 mL
Date Prepared:	04/17/2010 0013		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	0.75	J	0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	122		70 - 130
Dibromofluoromethane	109		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 360-27623-3TB Date Sampled: 04/07/2010 0900
Client Matrix: Water Date Received: 04/07/2010 1910

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 360-57224	Instrument ID: Agilent#2 GC/MS
Preparation:	5030B		Lab File ID: V11076.D
Dilution:	1.0		Initial Weight/Volume: 5 mL
Date Analyzed:	04/17/2010 0034		Final Weight/Volume: 5 mL
Date Prepared:	04/17/2010 0034		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		70 - 130
Dibromofluoromethane	107		70 - 130
Toluene-d8 (Surr)	88		70 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11633.D
Dilution:	1.0			Initial Weight/Volume:	1100 mL
Date Analyzed:	04/15/2010 0412			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.5
2,4,6-Trichlorophenol	ND		0.45	4.5
2,4-Dichlorophenol	ND		0.45	4.5
2,4-Dinitrophenol	ND		0.45	4.5
2,4-Dimethylphenol	ND		0.45	4.5
2-Chlorophenol	ND		0.45	4.5
2-Methylphenol	ND		0.45	4.5
2-Nitrophenol	ND		0.45	4.5
3 & 4 Methylphenol	ND		0.45	4.5
4,6-Dinitro-2-methylphenol	ND		0.45	4.5
4-Chloro-3-methylphenol	ND		0.45	4.5
4-Nitrophenol	ND	*	0.45	4.5
Acenaphthene	4.2		0.045	0.91
Acenaphthylene	ND		0.045	0.27
Anthracene	0.75	J	0.064	0.91
Benzo[a]anthracene	ND		0.15	0.27
Benzo[a]pyrene	ND		0.094	0.18
Benzo[b]fluoranthene	ND		0.13	0.27
Benzo[g,h,i]perylene	ND		0.085	0.45
Benzo[k]fluoranthene	ND		0.15	0.27
Bis(2-ethylhexyl) phthalate	ND		0.45	1.8
Butyl benzyl phthalate	ND		0.45	4.5
Chrysene	ND		0.15	0.91
Di-n-butyl phthalate	ND		0.55	4.5
Di-n-octyl phthalate	ND		0.66	4.5
Dibenz(a,h)anthracene	ND		0.058	0.45
Diethyl phthalate	ND		0.45	4.5
Dimethyl phthalate	ND		0.45	4.5
Fluoranthene	0.24	J	0.18	0.91
Fluorene	3.3		0.045	0.91
Indeno[1,2,3-cd]pyrene	ND		0.072	0.45
Naphthalene	ND		0.045	0.91
Pentachlorophenol	ND		0.45	0.91
Phenanthrene	2.3		0.077	0.18
Phenol	ND	*	0.45	4.5
Pyrene	0.28	J	0.17	4.5

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	83		15 - 110
2-Fluorobiphenyl	61		30 - 130
2-Fluorophenol	25		15 - 110
Phenol-d5	14	X	15 - 110
Terphenyl-d14	81		30 - 130
Nitrobenzene-d5	62		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27623-2 Date Sampled: 04/07/2010 0900
Client Matrix: Ground Water Date Received: 04/07/2010 1910

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Method:	8270C LL	Analysis Batch: 360-57091		Instrument ID:	Inst. B
Preparation:	3510C	Prep Batch: 360-56946		Lab File ID:	B11634.D
Dilution:	1.0			Initial Weight/Volume:	1060 mL
Date Analyzed:	04/15/2010 0443			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.7
2,4,6-Trichlorophenol	ND		0.47	4.7
2,4-Dichlorophenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		0.47	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2-Chlorophenol	ND		0.47	4.7
2-Methylphenol	ND		0.47	4.7
2-Nitrophenol	ND		0.47	4.7
3 & 4 Methylphenol	ND		0.47	4.7
4,6-Dinitro-2-methylphenol	ND		0.47	4.7
4-Chloro-3-methylphenol	ND		0.47	4.7
4-Nitrophenol	ND	*	0.47	4.7
Acenaphthene	ND		0.047	0.94
Acenaphthylene	ND		0.047	0.28
Anthracene	ND		0.066	0.94
Benzo[a]anthracene	ND		0.16	0.28
Benzo[a]pyrene	ND		0.097	0.19
Benzo[b]fluoranthene	ND		0.14	0.28
Benzo[g,h,i]perylene	ND		0.089	0.47
Benzo[k]fluoranthene	ND		0.16	0.28
Bis(2-ethylhexyl) phthalate	ND		0.47	1.9
Butyl benzyl phthalate	1.7	J	0.47	4.7
Chrysene	ND		0.16	0.94
Di-n-butyl phthalate	0.63	J B	0.57	4.7
Di-n-octyl phthalate	ND		0.69	4.7
Dibenz(a,h)anthracene	ND		0.060	0.47
Diethyl phthalate	ND		0.47	4.7
Dimethyl phthalate	ND		0.47	4.7
Fluoranthene	ND		0.19	0.94
Fluorene	ND		0.047	0.94
Indeno[1,2,3-cd]pyrene	ND		0.075	0.47
Naphthalene	ND		0.047	0.94
Pentachlorophenol	ND		0.47	0.94
Phenanthrene	ND		0.080	0.19
Phenol	ND	*	0.47	4.7
Pyrene	ND		0.18	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	89		15 - 110
2-Fluorobiphenyl	70		30 - 130
2-Fluorophenol	30		15 - 110
Phenol-d5	18		15 - 110
Terphenyl-d14	86		30 - 130
Nitrobenzene-d5	64		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1090 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1450			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.92
PCB-1221	ND		0.40	0.92
PCB-1232	ND		0.31	0.92
PCB-1242	ND		0.17	0.92
PCB-1248	ND		0.35	0.92
PCB-1254	ND		0.31	0.92
PCB-1260	ND		0.23	0.92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	66		30 - 150
DCB Decachlorobiphenyl	61		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27623-2 Date Sampled: 04/07/2010 0900
Client Matrix: Ground Water Date Received: 04/07/2010 1910

608 Organochlorine Pesticides/PCBs in Water

Method:	608	Analysis Batch: 360-56932		Instrument ID:	Inst. P
Preparation:	CWA_Prep	Prep Batch: 360-56855		Initial Weight/Volume:	1090 mL
Dilution:	1.0			Final Weight/Volume:	5.0 mL
Date Analyzed:	04/12/2010 1515			Injection Volume:	2 uL
Date Prepared:	04/09/2010 1107			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.25	0.92
PCB-1221	ND		0.40	0.92
PCB-1232	ND		0.31	0.92
PCB-1242	ND		0.17	0.92
PCB-1248	ND		0.35	0.92
PCB-1254	ND		0.31	0.92
PCB-1260	ND		0.23	0.92

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	81		30 - 150
DCB Decachlorobiphenyl	34		30 - 150

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

8011 EDB, DBCP, and 1,2,3-TCP (GC)

Method:	8011	Analysis Batch: 360-57206		Instrument ID:	Inst. U
Preparation:	8011	Prep Batch: 360-57217		Initial Weight/Volume:	34.94 mL
Dilution:	1.0			Final Weight/Volume:	35 mL
Date Analyzed:	04/19/2010 1342			Injection Volume:	1 uL
Date Prepared:	04/19/2010 1336			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Ethylene Dibromide	ND		0.0070	0.020

Client: Roux Associates, Inc. Job Number: 360-27623-1

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

200.7 Rev 4.4 Metals (ICP)

Method:	200.7 Rev 4.4	Analysis Batch: 360-56890		Instrument ID:	Varian ICP
Preparation:	200.7	Prep Batch: 360-56777		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	04/09/2010 1411			Final Weight/Volume:	50 mL
Date Prepared:	04/08/2010 0719				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Silver	ND		1.8	5.0
Arsenic	ND		2.3	10
Cadmium	0.36	J	0.20	1.0
Chromium	ND		1.3	5.0
Copper	8.8	J	1.7	10
Iron	16000		34	100
Nickel	3.0	J	1.5	10
Lead	4.6	J	1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	22	J	10	50

245.1 Mercury (CVAA)

Method:	245.1	Analysis Batch: 360-56826		Instrument ID:	Hg Analyzer
Preparation:	245.1	Prep Batch: 360-56782		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/08/2010 1359			Final Weight/Volume:	10 mL
Date Prepared:	04/08/2010 0820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	ND		0.065	0.20

General Chemistry

Client Sample ID: **STS-MW-2**

Lab Sample ID: 360-27623-1 Date Sampled: 04/07/2010 1220
Client Matrix: Ground Water Date Received: 04/07/2010 1910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	1.5	J	mg/L	0.56	4.7	1.0	1664A
Analysis Batch: 500-83717	Date Analyzed: 04/12/2010 1500						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 1100						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cr (VI)	ND		mg/L	0.0050	0.0050	1.0	7196A
Analysis Batch: 360-56797	Date Analyzed: 04/08/2010 0945						
Cyanide, Total	ND		mg/L	0.010	0.010	1.0	L204001A CN
Analysis Batch: 360-57132	Date Analyzed: 04/15/2010 1543						
Prep Batch: 360-57120	Date Prepared: 04/15/2010 1129						
Phenols, Total	0.0077		mg/L	0.0072	0.0072	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1513						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						
Total Suspended Solids	28		mg/L	10	10	1.0	SM 2540D
Analysis Batch: 360-56848	Date Analyzed: 04/09/2010 0847						
Chlorine	ND	HF	mg/L	0.020	0.020	1.0	SM 4500 Cl F
Analysis Batch: 360-56839	Date Analyzed: 04/08/2010 0859						
pH	6.72	HF	SU	0.100	0.100	1.0	SM 4500 H+ B
Analysis Batch: 360-56816	Date Analyzed: 04/08/2010 0924						

General Chemistry

Client Sample ID: **STS-MW-3**

Lab Sample ID: 360-27623-2 Date Sampled: 04/07/2010 0900
Client Matrix: Ground Water Date Received: 04/07/2010 1910

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
SGT-HEM	1.1	J	mg/L	0.57	4.8	1.0	1664A
Analysis Batch: 500-83717	Date Analyzed: 04/12/2010 1505						
Prep Batch: 500-83716	Date Prepared: 04/12/2010 1118						

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Phenols, Total	0.067		mg/L	0.0078	0.0078	1.0	L210-001A
Analysis Batch: 360-57060	Date Analyzed: 04/14/2010 1514						
Prep Batch: 360-57058	Date Prepared: 04/14/2010 1255						

DATA REPORTING QUALIFIERS

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	B	Compound was found in the blank and sample.
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: Roux Associates, Inc. Job Number: 360-27623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:360-57224					
LCS 360-57224/16	Lab Control Sample	T	Water	8260B	
LCSD 360-57224/17	Lab Control Sample Duplicate	T	Water	8260B	
MB 360-57224/19	Method Blank	T	Water	8260B	
360-27623-1	STS-MW-2	T	Water	8260B	
360-27623-3TB	TRIP BLANK	T	Water	8260B	
GC/MS Semi VOA					
Prep Batch: 360-56946					
LCS 360-56946/2-A	Lab Control Sample	T	Water	3510C	
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 360-56946/1-A	Method Blank	T	Water	3510C	
360-27623-1	STS-MW-2	T	Water	3510C	
360-27623-2	STS-MW-3	T	Water	3510C	
Analysis Batch:360-57091					
LCS 360-56946/2-A	Lab Control Sample	T	Water	8270C LL	360-56946
LCSD 360-56946/3-A	Lab Control Sample Duplicate	T	Water	8270C LL	360-56946
MB 360-56946/1-A	Method Blank	T	Water	8270C LL	360-56946
360-27623-1	STS-MW-2	T	Water	8270C LL	360-56946
360-27623-2	STS-MW-3	T	Water	8270C LL	360-56946

Report Basis
T = Total

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 360-56855					
LCS 360-56855/2-A	Lab Control Sample	T	Water	CWA_Prep	
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	CWA_Prep	
MB 360-56855/1-A	Method Blank	T	Water	CWA_Prep	
360-27623-1	STS-MW-2	T	Water	CWA_Prep	
360-27623-2	STS-MW-3	T	Water	CWA_Prep	
Analysis Batch:360-56932					
LCS 360-56855/2-A	Lab Control Sample	T	Water	608	360-56855
LCSD 360-56855/3-A	Lab Control Sample Duplicate	T	Water	608	360-56855
MB 360-56855/1-A	Method Blank	T	Water	608	360-56855
360-27623-1	STS-MW-2	T	Water	608	360-56855
360-27623-2	STS-MW-3	T	Water	608	360-56855
Analysis Batch:360-57206					
LCS 360-57217/2-A	Lab Control Sample	T	Water	8011	360-57217
LCSD 360-57217/3-A	Lab Control Sample Duplicate	T	Water	8011	360-57217
MB 360-57217/1-A	Method Blank	T	Water	8011	360-57217
360-27623-1	STS-MW-2	T	Water	8011	360-57217
Prep Batch: 360-57217					
LCS 360-57217/2-A	Lab Control Sample	T	Water	8011	
LCSD 360-57217/3-A	Lab Control Sample Duplicate	T	Water	8011	
MB 360-57217/1-A	Method Blank	T	Water	8011	
360-27623-1	STS-MW-2	T	Water	8011	

Report Basis

T = Total

Client: Roux Associates, Inc. Job Number: 360-27623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 360-56777					
LCS 360-56777/2-A	Lab Control Sample	T	Water	200.7	
LCSD 360-56777/3-A	Lab Control Sample Duplicate	T	Water	200.7	
MB 360-56777/1-A	Method Blank	T	Water	200.7	
360-27623-1	STS-MW-2	T	Water	200.7	
Prep Batch: 360-56782					
LCS 360-56782/2-A	Lab Control Sample	T	Water	245.1	
LCSD 360-56782/3-A	Lab Control Sample Duplicate	T	Water	245.1	
MB 360-56782/1-A	Method Blank	T	Water	245.1	
360-27623-1	STS-MW-2	T	Water	245.1	
Analysis Batch:360-56826					
LCS 360-56782/2-A	Lab Control Sample	T	Water	245.1	360-56782
LCSD 360-56782/3-A	Lab Control Sample Duplicate	T	Water	245.1	360-56782
MB 360-56782/1-A	Method Blank	T	Water	245.1	360-56782
360-27623-1	STS-MW-2	T	Water	245.1	360-56782
Analysis Batch:360-56890					
LCS 360-56777/2-A	Lab Control Sample	T	Water	200.7 Rev 4.4	360-56777
LCSD 360-56777/3-A	Lab Control Sample Duplicate	T	Water	200.7 Rev 4.4	360-56777
MB 360-56777/1-A	Method Blank	T	Water	200.7 Rev 4.4	360-56777
360-27623-1	STS-MW-2	T	Water	200.7 Rev 4.4	360-56777

Report Basis
T = Total

Client: Roux Associates, Inc. Job Number: 360-27623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-56797					
LCS 360-56797/10	Lab Control Sample	T	Water	7196A	
LCSD 360-56797/11	Lab Control Sample Duplicate	T	Water	7196A	
MB 360-56797/9	Method Blank	T	Water	7196A	
360-27623-1	STS-MW-2	T	Water	7196A	
360-27623-1MS	Matrix Spike	T	Water	7196A	
360-27623-1MSD	Matrix Spike Duplicate	T	Water	7196A	
Analysis Batch:360-56816					
LCS 360-56816/2	Lab Control Sample	T	Water	SM 4500 H+ B	
360-27623-1	STS-MW-2	T	Water	SM 4500 H+ B	
360-27623-1DU	Duplicate	T	Water	SM 4500 H+ B	
Analysis Batch:360-56839					
LCS 360-56839/2	Lab Control Sample	T	Water	SM 4500 Cl F	
LCSD 360-56839/3	Lab Control Sample Duplicate	T	Water	SM 4500 Cl F	
MB 360-56839/1	Method Blank	T	Water	SM 4500 Cl F	
360-27623-1	STS-MW-2	T	Water	SM 4500 Cl F	
360-27623-1MS	Matrix Spike	T	Water	SM 4500 Cl F	
360-27623-1MSD	Matrix Spike Duplicate	T	Water	SM 4500 Cl F	
Analysis Batch:360-56848					
LCS 360-56848/2	Lab Control Sample	T	Water	SM 2540D	
MB 360-56848/1	Method Blank	T	Water	SM 2540D	
360-27623-1	STS-MW-2	T	Water	SM 2540D	
Prep Batch: 360-57058					
LCS 360-57058/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 360-57058/1-A	Method Blank	T	Water	Distill/Phenol	
360-27623-1	STS-MW-2	T	Water	Distill/Phenol	
360-27623-2	STS-MW-3	T	Water	Distill/Phenol	
Analysis Batch:360-57060					
LCS 360-57058/2-A	Lab Control Sample	T	Water	L210-001A	360-57058
MB 360-57058/1-A	Method Blank	T	Water	L210-001A	360-57058
360-27623-1	STS-MW-2	T	Water	L210-001A	360-57058
360-27623-2	STS-MW-3	T	Water	L210-001A	360-57058
Prep Batch: 360-57120					
LCS 360-57120/2-A	Lab Control Sample	T	Water	Distill/CN	
MB 360-57120/1-A	Method Blank	T	Water	Distill/CN	
360-27623-1	STS-MW-2	T	Water	Distill/CN	

Client: Roux Associates, Inc. Job Number: 360-27623-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:360-57132					
LCS 360-57120/2-A	Lab Control Sample	T	Water	L204001A CN	360-57120
MB 360-57120/1-A	Method Blank	T	Water	L204001A CN	360-57120
360-27623-1	STS-MW-2	T	Water	L204001A CN	360-57120
Prep Batch: 500-83716					
360-27623-1	STS-MW-2	T	Water	1664A	
360-27623-2	STS-MW-3	T	Water	1664A	
Analysis Batch:500-83717					
360-27623-1	STS-MW-2	T	Water	1664A	500-83716
360-27623-2	STS-MW-3	T	Water	1664A	500-83716

Report Basis
T = Total

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
360-27623-1	STS-MW-2	122	109	99
360-27623-3	TRIP BLANK	107	107	88
MB 360-57224/19		98	107	88
LCS 360-57224/16		122	85	102
LCSD 360-57224/17		125	89	98

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	70-130
DBFM = Dibromofluoromethane	70-130
TOL = Toluene-d8 (Surr)	70-130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Surrogate Recovery Report

8270C LL Semivolatile Organic Compounds by GCMS - Low Levels

Client Matrix: Water

Lab Sample ID	Client Sample ID	TBP %Rec	FBP %Rec	2FP %Rec	PHL %Rec	TPH %Rec	NBZ %Rec
360-27623-1	STS-MW-2	83	61	25	14X	81	62
360-27623-2	STS-MW-3	89	70	30	18	86	64
MB 360-56946/1-A		66	67	30	17	90	65
LCS 360-56946/2-A		81	83	26	15	81	81
LCSD 360-56946/3-A		78	77	24	14X	81	73

Surrogate	Acceptance Limits
TBP = 2,4,6-Tribromophenol	15-110
FBP = 2-Fluorobiphenyl	30-130
2FP = 2-Fluorophenol	15-110
PHL = Phenol-d5	15-110
TPH = Terphenyl-d14	30-130
NBZ = Nitrobenzene-d5	30-130

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
360-27623-1	STS-MW-2	66	61
360-27623-2	STS-MW-3	81	34
MB 360-56855/1-A		76	107
LCS 360-56855/2-A		80	106
LCSD 360-56855/3-A		86	110

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	30-150
DCB = DCB Decachlorobiphenyl	30-150

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Method Blank - Batch: 360-57224

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 360-57224/19
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/16/2010 2310
Date Prepared: 04/16/2010 2310

Analysis Batch: 360-57224
Prep Batch: N/A
Units: ug/L

Instrument ID: Agilent#2 GC/MS
Lab File ID: V11072.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Benzene	ND		0.74	1.0
Toluene	ND		0.56	1.0
Ethylbenzene	ND		0.67	1.0
o-Xylene	ND		0.54	1.0
m-Xylene & p-Xylene	ND		1.4	2.0
Methyl tert-butyl ether	ND		0.63	1.0
Butyl alcohol, tert-	ND		8.5	50
Tert-amyl methyl ether	ND		0.61	5.0
Carbon tetrachloride	ND		0.71	1.0
1,1,1-Trichloroethane	ND		0.70	1.0
1,1,2-Trichloroethane	ND		0.72	1.0
1,1-Dichloroethane	ND		0.67	1.0
1,1-Dichloroethene	ND		0.64	1.0
1,2-Dichlorobenzene	ND		0.62	1.0
1,2-Dichloroethane	ND		0.62	1.0
1,3-Dichlorobenzene	ND		0.64	1.0
1,4-Dioxane	ND		7.7	50
1,4-Dichlorobenzene	ND		0.62	1.0
Acetone	ND		20	50
cis-1,2-Dichloroethene	ND		0.65	1.0
Methylene Chloride	ND		1.0	2.0
Tetrachloroethene	ND		0.48	1.0
Trichloroethene	ND		0.59	1.0
Vinyl chloride	ND		0.46	0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	70 - 130
Dibromofluoromethane	107	70 - 130
Toluene-d8 (Surr)	88	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57224

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID:	LCS 360-57224/16	Analysis Batch:	360-57224	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V11069.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 2207			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 2207				

LCSD Lab Sample ID:	LCSD 360-57224/17	Analysis Batch:	360-57224	Instrument ID:	Agilent#2 GC/MS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	V11070.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	5 mL
Date Analyzed:	04/16/2010 2228			Final Weight/Volume:	5 mL
Date Prepared:	04/16/2010 2228				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	102	100	70 - 130	2	25		
Toluene	101	95	70 - 130	6	25		
Ethylbenzene	93	90	70 - 130	4	25		
o-Xylene	85	85	70 - 130	1	25		
m-Xylene & p-Xylene	96	94	70 - 130	2	25		
Methyl tert-butyl ether	102	107	70 - 130	5	25		
Butyl alcohol, tert-	106	91	70 - 130	15	25		
Tert-amyl methyl ether	99	104	70 - 130	6	25		
Carbon tetrachloride	96	98	70 - 130	2	25		
1,1,1-Trichloroethane	97	100	70 - 130	3	25		
1,1,2-Trichloroethane	94	90	70 - 130	4	25		
1,1-Dichloroethane	99	100	70 - 130	2	25		
1,1-Dichloroethene	92	101	70 - 130	9	25		
1,2-Dichlorobenzene	106	100	70 - 130	6	25		
1,2-Dichloroethane	99	99	70 - 130	0	25		
1,3-Dichlorobenzene	104	111	70 - 130	6	25		
1,4-Dioxane	96	89	70 - 130	8	25		
1,4-Dichlorobenzene	107	105	70 - 130	2	25		
Acetone	119	110	70 - 130	8	25		
cis-1,2-Dichloroethene	99	102	70 - 130	3	25		
Methylene Chloride	98	100	70 - 130	3	25		
Tetrachloroethene	97	92	70 - 130	6	25		
Trichloroethene	103	99	70 - 130	4	25		
Vinyl chloride	87	94	70 - 130	8	25		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	122	125	70 - 130
Dibromofluoromethane	85	89	70 - 130
Toluene-d8 (Surr)	102	98	70 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

Lab Sample ID: MB 360-56946/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 2308
Date Prepared: 04/12/2010 1517

Analysis Batch: 360-57091
Prep Batch: 360-56946
Units: ug/L

Instrument ID: Inst. B
Lab File ID: B11623.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		0.50	5.0
2,4,6-Trichlorophenol	ND		0.50	5.0
2,4-Dichlorophenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		0.50	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2-Chlorophenol	ND		0.50	5.0
2-Methylphenol	ND		0.50	5.0
2-Nitrophenol	ND		0.50	5.0
3 & 4 Methylphenol	ND		0.50	5.0
4,6-Dinitro-2-methylphenol	ND		0.50	5.0
4-Chloro-3-methylphenol	ND		0.50	5.0
4-Nitrophenol	ND		0.50	5.0
Acenaphthene	ND		0.050	1.0
Acenaphthylene	ND		0.050	0.30
Anthracene	ND		0.070	1.0
Benzo[a]anthracene	ND		0.17	0.30
Benzo[a]pyrene	ND		0.10	0.20
Benzo[b]fluoranthene	ND		0.14	0.30
Benzo[g,h,i]perylene	ND		0.094	0.50
Benzo[k]fluoranthene	ND		0.17	0.30
Bis(2-ethylhexyl) phthalate	ND		0.50	2.0
Butyl benzyl phthalate	ND		0.50	5.0
Chrysene	ND		0.17	1.0
Di-n-butyl phthalate	1.30	J	0.60	5.0
Di-n-octyl phthalate	ND		0.73	5.0
Dibenz(a,h)anthracene	ND		0.064	0.50
Diethyl phthalate	ND		0.50	5.0
Dimethyl phthalate	ND		0.50	5.0
Fluoranthene	ND		0.20	1.0
Fluorene	ND		0.050	1.0
Indeno[1,2,3-cd]pyrene	ND		0.079	0.50
Naphthalene	ND		0.050	1.0
Pentachlorophenol	ND		0.50	1.0
Phenanthrene	ND		0.085	0.20
Phenol	ND		0.50	5.0
Pyrene	ND		0.19	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	66	15 - 110
2-Fluorobiphenyl	67	30 - 130
2-Fluorophenol	30	15 - 110
Phenol-d5	17	15 - 110
Terphenyl-d14	90	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	65	30 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
2,4,5-Trichlorophenol	98	90	30 - 130	9	20		
2,4,6-Trichlorophenol	94	86	30 - 130	9	20		
2,4-Dichlorophenol	88	81	30 - 130	7	20		
2,4-Dinitrophenol	78	77	30 - 130	1	20		
2,4-Dimethylphenol	88	72	30 - 130	19	20		
2-Chlorophenol	57	54	40 - 130	5	20		
2-Methylphenol	50	45	30 - 130	11	20		J
2-Nitrophenol	80	74	30 - 130	8	20		
3 & 4 Methylphenol	48	44	30 - 130	8	20	J	J
4,6-Dinitro-2-methylphenol	88	85	30 - 130	4	20		
4-Chloro-3-methylphenol	82	74	30 - 130	11	20		
4-Nitrophenol	26	25	30 - 130	2	20	J *	J *
Acenaphthene	83	79	40 - 140	6	20		
Acenaphthylene	79	76	40 - 140	4	20		
Anthracene	86	86	40 - 140	1	20		
Benzo[a]anthracene	93	95	40 - 140	1	20		
Benzo[a]pyrene	92	93	40 - 140	1	20		
Benzo[b]fluoranthene	79	79	40 - 140	0	20		
Benzo[g,h,i]perylene	94	91	40 - 140	4	20		
Benzo[k]fluoranthene	90	91	40 - 140	1	20		
Bis(2-ethylhexyl) phthalate	99	102	40 - 140	3	20		
Butyl benzyl phthalate	91	94	40 - 140	4	20		
Chrysene	90	92	40 - 140	2	20		
Di-n-butyl phthalate	85	89	40 - 140	4	20		
Di-n-octyl phthalate	91	93	40 - 140	2	20		
Dibenz(a,h)anthracene	101	96	40 - 140	5	20		
Diethyl phthalate	82	80	40 - 140	2	20		
Dimethyl phthalate	81	78	40 - 140	4	20		
Fluoranthene	96	97	40 - 140	1	20		
Fluorene	82	79	40 - 140	3	20		
Indeno[1,2,3-cd]pyrene	100	98	40 - 140	2	20		
Naphthalene	66	62	40 - 140	5	20		
Pentachlorophenol	88	88	30 - 130	0	20		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56946

Method: 8270C LL
Preparation: 3510C

LCS Lab Sample ID:	LCS 360-56946/2-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11624.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/14/2010 2339			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

LCSD Lab Sample ID:	LCSD 360-56946/3-A	Analysis Batch:	360-57091	Instrument ID:	Inst. B
Client Matrix:	Water	Prep Batch:	360-56946	Lab File ID:	B11625.D
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	1000 mL
Date Analyzed:	04/15/2010 0009			Final Weight/Volume:	1.0 mL
Date Prepared:	04/12/2010 1517			Injection Volume:	1 uL

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Phenanthrene	75	75	40 - 140	1	20		
Phenol	17	16	30 - 130	7	20	J *	J *
Pyrene	82	84	40 - 140	2	20		

Surrogate	LCS % Rec	LCSD % Rec		Acceptance Limits
2,4,6-Tribromophenol	81	78		15 - 110
2-Fluorobiphenyl	83	77		30 - 130
2-Fluorophenol	26	24		15 - 110
Phenol-d5	15	14	X	15 - 110
Terphenyl-d14	81	81		30 - 130
Nitrobenzene-d5	81	73		30 - 130

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

Lab Sample ID: MB 360-56855/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1046
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3465.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.27	1.0
PCB-1221	ND		0.44	1.0
PCB-1232	ND		0.34	1.0
PCB-1242	ND		0.18	1.0
PCB-1248	ND		0.38	1.0
PCB-1254	ND		0.34	1.0
PCB-1260	ND		0.25	1.0

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	76	30 - 150
DCB Decachlorobiphenyl	107	30 - 150

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56855

Method: 608
Preparation: CWA_Prep

LCS Lab Sample ID: LCS 360-56855/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1110
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3466.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-56855/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/12/2010 1135
Date Prepared: 04/09/2010 1107

Analysis Batch: 360-56932
Prep Batch: 360-56855
Units: ug/L

Instrument ID: Inst. P
Lab File ID: P3467.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 5.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
PCB-1016	84	90	50 - 114	6	50		
PCB-1260	86	97	8 - 127	13	50		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	80	86	30 - 150
DCB Decachlorobiphenyl	106	110	30 - 150

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-57217

Method: 8011
Preparation: 8011

Lab Sample ID: MB 360-57217/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2010 0901
Date Prepared: 04/19/2010 0827

Analysis Batch: 360-57206
Prep Batch: 360-57217
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12633.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Ethylene Dibromide	ND		0.0070	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-57217

Method: 8011
Preparation: 8011

LCS Lab Sample ID: LCS 360-57217/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2010 0921
Date Prepared: 04/19/2010 0827

Analysis Batch: 360-57206
Prep Batch: 360-57217
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12634.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 360-57217/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/19/2010 0942
Date Prepared: 04/19/2010 0827

Analysis Batch: 360-57206
Prep Batch: 360-57217
Units: ug/L

Instrument ID: Inst. U
Lab File ID: U12635.D
Initial Weight/Volume: 35 mL
Final Weight/Volume: 35 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Ethylene Dibromide	88	95	70 - 130	7	20		

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Method Blank - Batch: 360-56777

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 360-56777/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2010 1338
Date Prepared: 04/08/2010 0719

Analysis Batch: 360-56890
Prep Batch: 360-56777
Units: ug/L

Instrument ID: Varian ICP
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	ND		1.8	5.0
Arsenic	ND		2.3	10
Cadmium	ND		0.20	1.0
Chromium	ND		1.3	5.0
Copper	ND		1.7	10
Iron	ND		34	100
Nickel	ND		1.5	10
Lead	ND		1.3	5.0
Antimony	ND		2.9	6.0
Selenium	ND		2.7	10
Zinc	ND		10	50

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56777

Method: 200.7 Rev 4.4
Preparation: 200.7

LCS Lab Sample ID:	LCS 360-56777/2-A	Analysis Batch:	360-56890	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56777	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/09/2010 1340			Final Weight/Volume:	50 mL
Date Prepared:	04/08/2010 0719				

LCSD Lab Sample ID:	LCSD 360-56777/3-A	Analysis Batch:	360-56890	Instrument ID:	Varian ICP
Client Matrix:	Water	Prep Batch:	360-56777	Lab File ID:	N/A
Dilution:	1.0	Units:	ug/L	Initial Weight/Volume:	50 mL
Date Analyzed:	04/09/2010 1343			Final Weight/Volume:	50 mL
Date Prepared:	04/08/2010 0719				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Silver	103	104	85 - 115	1	20		
Arsenic	102	103	85 - 115	1	20		
Cadmium	102	103	85 - 115	1	20		
Chromium	105	105	85 - 115	1	20		
Copper	105	104	85 - 115	1	20		
Iron	102	104	85 - 115	2	20		
Nickel	103	103	85 - 115	0	20		
Lead	102	103	85 - 115	1	20		
Antimony	101	102	85 - 115	0	20		
Selenium	102	102	85 - 115	1	20		
Zinc	101	102	85 - 115	1	20		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56782

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 360-56782/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1332
Date Prepared: 04/08/2010 0820

Analysis Batch: 360-56826
Prep Batch: 360-56782
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.065	0.20

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56782

Method: 245.1
Preparation: 245.1

LCS Lab Sample ID: LCS 360-56782/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1335
Date Prepared: 04/08/2010 0820

Analysis Batch: 360-56826
Prep Batch: 360-56782
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 360-56782/3-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1337
Date Prepared: 04/08/2010 0820

Analysis Batch: 360-56826
Prep Batch: 360-56782
Units: ug/L

Instrument ID: Hg Analyzer
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	89	83	80 - 120	7	20		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56797

Method: 7196A
Preparation: N/A

Lab Sample ID: MB 360-56797/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0945
Date Prepared: N/A

Analysis Batch: 360-56797
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Cr (VI)	ND		0.0050	0.0050

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56797

Method: 7196A
Preparation: N/A

LCS Lab Sample ID: LCS 360-56797/10
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0945
Date Prepared: N/A

Analysis Batch: 360-56797
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56797/11
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0945
Date Prepared: N/A

Analysis Batch: 360-56797
Prep Batch: N/A
Units: mg/L

Instrument ID: Jenway UV/VIS
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Cr (VI)	101	99	80 - 120	1	20		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-56797

Method: 7196A
Preparation: N/A

MS Lab Sample ID:	360-27623-1	Analysis Batch:	360-56797	Instrument ID:	Jenway UV/VIS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	04/08/2010 0945			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	360-27623-1	Analysis Batch:	360-56797	Instrument ID:	Jenway UV/VIS
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	
Date Analyzed:	04/08/2010 0945			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cr (VI)	41	46	75 - 125	12	20	F	F

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-57120

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: MB 360-57120/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2010 1528
Date Prepared: 04/15/2010 1129

Analysis Batch: 360-57132
Prep Batch: 360-57120
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL	RL
Cyanide, Total	ND		0.010	0.010

Lab Control Sample - Batch: 360-57120

Method: L204001A CN
Preparation: Distill/CN

Lab Sample ID: LCS 360-57120/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/15/2010 1529
Date Prepared: 04/15/2010 1129

Analysis Batch: 360-57132
Prep Batch: 360-57120
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.100	0.106	106	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: MB 360-57058/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1509
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Result	Qual	RL	RL
Phenols, Total	ND		0.0074	0.0074

Lab Control Sample - Batch: 360-57058

Method: L210-001A
Preparation: Distill/Phenol

Lab Sample ID: LCS 360-57058/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/14/2010 1510
Date Prepared: 04/14/2010 1255

Analysis Batch: 360-57060
Prep Batch: 360-57058
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 37 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	0.100	0.101	101	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56848

Method: SM 2540D
Preparation: N/A

Lab Sample ID: MB 360-56848/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2010 0847
Date Prepared: N/A

Analysis Batch: 360-56848
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 250 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Total Suspended Solids	ND		2.0	2.0

Lab Control Sample - Batch: 360-56848

Method: SM 2540D
Preparation: N/A

Lab Sample ID: LCS 360-56848/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/09/2010 0847
Date Prepared: N/A

Analysis Batch: 360-56848
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Suspended Solids	200	171	85	85 - 115	

Client: Roux Associates, Inc. Job Number: 360-27623-1

Method Blank - Batch: 360-56839

Method: SM 4500 Cl F
Preparation: N/A

Lab Sample ID: MB 360-56839/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56839
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL	RL
Chlorine	ND		0.020	0.020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 360-56839

Method: SM 4500 Cl F
Preparation: N/A

LCS Lab Sample ID: LCS 360-56839/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56839
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

LCSD Lab Sample ID: LCSD 360-56839/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0845
Date Prepared: N/A

Analysis Batch: 360-56839
Prep Batch: N/A
Units: mg/L

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 100 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chlorine	98	103	85 - 115	5	25		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 360-56839

Method: SM 4500 Cl F
Preparation: N/A

MS Lab Sample ID:	360-27623-1	Analysis Batch:	360-56839	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/08/2010 0859			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

MSD Lab Sample ID:	360-27623-1	Analysis Batch:	360-56839	Instrument ID:	No Equipment Assigned
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.0 mL
Date Analyzed:	04/08/2010 0859			Final Weight/Volume:	100 mL
Date Prepared:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorine	96	100	75 - 125	4	20		

Client: Roux Associates, Inc. Job Number: 360-27623-1

Lab Control Sample - Batch: 360-56816

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: LCS 360-56816/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0855
Date Prepared: N/A

Analysis Batch: 360-56816
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	6.00	5.910	98	90 - 110	

Duplicate - Batch: 360-56816

Method: SM 4500 H+ B
Preparation: N/A

Lab Sample ID: 360-27623-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 0927
Date Prepared: N/A

Analysis Batch: 360-56816
Prep Batch: N/A
Units: SU

Instrument ID: Autotitrator
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.72	6.770	1	20	

State Accreditation Matrix

Method Name	Description	State where Primary Accreditation is Carried				
		New York (NELAC)	Mass	Conn	Florida (NELAC)	North Carolina
821-R-02-012	Toxicity, Acute (48-Hour)(list upon request)				NP	
SM 4500 Cl F	Chlorine, Residual		NP			
SM 9215E	Heterotrophic Plate Count (SimPlate)		P			
SM 9222D	Coliforms, Fecal (Membrane Filter)		P/NP			
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P			
SM 9224	Coliforms, Total, and E.Coli (Enumeration)		P			
1103.1	E.coli					
Enterolert	Enterococcus					
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P	NP/P		
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P	NP/P		
6010B	Metals (ICP)(list upon request)	NP/SW		NP/SW		
245.1	Mercury (CVAA)	NP/P	NP	NP/P		
7470A	Mercury (CVAA)	NP		NP		
7471A	Mercury (CVAA)	SW		SW		
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP	NP/P		
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P		NP/P		
3010A	Preparation, Total Metals	NP/P		NP/P		
3020A	Preparation, Total Metals	NP/P/SW		NP/P/SW		
3050B	Preparation, Metals	SW		SW		
504.1	EDB, DBCP and 1,2,3-TCP (GC)		P	P		
608	Organochlorine Pest/PCBs (list upon request)	NP	NP	NP		
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP		NP		
3546	Microwave Extraction	SW				
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP		NP		
3540C	Soxhlet Extraction					
3550B	Ultrasonic Extraction	SW		SW		
600/4-81-045	Polychlorinated Biphenyls (PCBs) (GC)		NP	NP		
8081A	Organochlorine Pesticides (GC)(list upon request)	NP/SW		NP/SW		
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW		NP/SW		
8270C	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW		NP/SW		
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)			NP/SW		
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P	P		
524.2	Trihalomethanes		P	P		
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP	NP		
5035	Closed System Purge and Trap	SW		SW		
5030B	Purge and Trap	NP		NP		
8260B	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW		NP/SW		
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)			NP/SW		NP/SW
180.1	Turbidity, Nephelometric		P	P		
300	Anions, Ion Chromatography	NP/P	NP/P	NP/P		
410.4	COD	NP	NP	NP		
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW		SW		
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP	NP		
7196A	Chromium, Hexavalent	NP/SW		NP/SW		
9012A	Cyanide, Total and/or Amenable	NP/SW		NP/SW		
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP		NP		
9040B	pH	NP		NP		
9045C	pH	SW		SW		
L107041C	Nitrogen, Nitrate	NP	P	NP/P		
L107-06-1B	Nitrogen Ammonia	NP	NP	NP/P		
L204001A CN	Cyanide, Total		NP/P	NP/P		
L210-001A	Phenolics, Total Recoverable	NP	NP	NP		
SM 2320B	Alkalinity	NP/P	NP/P	NP/P		
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P	NP/P		
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P	NP/P		
SM 2540D	Solids, Total Suspended (TSS)	NP	NP	NP		
SM 3500 CR D	Chromium, Hexavalent	NP		NP		
SM 4500 H+ B	pH	NP/P	NP/P	NP/P		
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P	NP/P		
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP	NP/P		
SM 4500 P E	Phosphorus, Total	NP	NP	NP		
SM 4500 S2 D	Sulfide, Total	NP		NP		
SM 5210B	BOD, 5-Day	NP	NP	NP		
SM 5310B	Organic Carbon, Total (TOC)	NP	NP	NP/P		

Not all organic compounds are accreditied under NELAC
For methods with multiple compounds all compounds may not meet NELAC criteria, listing should be obtained from the laboratory
The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Login Number: 27623

List Source: TestAmerica Westfield

Creator: Rinard, Kimberley A

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	5.8 C / 8.8 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

Login Sample Receipt Check List

Client: Roux Associates, Inc.

Job Number: 360-27623-1

Login Number: 27623
List Source: TestAmerica Chicago
Creator: James, Jeff A
List Creation: 04/09/10 03:24 PM
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

008639

●53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

●240 Bear Hill Rd., Suite 104
Waltham, MA 02451
(P) 781-466-6900
(F) 781-466-6901
Boston - Service Center

Client: ROUX ASSOCIATES, INC
Address: 67 S. BEDFORD St Suite 400W
Burlington MA 01803
Phone: Fax:

Client Project #:
Site ID & State: EVERETT TERMINAL / MA
Reports Sent To: JEFF LACROIX
Email: JLACROIX@ROUXINC.COM Email Rpt: ☐

Job# 360-27623 Quote# PO#

Shaded areas for office use

Invoice same as Report to? ☐

If Invoice contact or address different, note in *Comments*

Comments *(Special Instructions)*

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)

STANDARD X RUSH ____ *(Lab Approval Required)*

Regulatory Programs/Presumptive Certainty/QC Forms

MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
Std Rpt (L1) ☐ Rpt + QC(L2./MCP ☐ CLP Rpt (L3 or L4) ☐

500-series for drinking water
600-series for wastewater, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids/Soil O-Oil, "Z"- Other

Sample I.D.	Sample Type	Sampler's Initials	Date Time Collected	pH ✓ (lab use only)	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
STS-MW-2	GW	RFS	4.7.10 1220		X											SEE COMMENTS									
STS-MW-3	GW	RFS	4.7.10 0900		X											SEE COMMENTS									
TRIP BLANK	AQ																								

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4/7/10

Comments:

STS-MW-2:
4500Cl-F-Chlorine
245.1 Mercury
2007-Custom Pick List
8260B-App III/IV
8011-Ethylene Dibromide
8270C-LL-App III/VI
608-PCB's in WATER
7196A-Cr (VI)
2540D-TOTAL SUS SOLIDS
SM4500-H+-PH
LACH-20400 1_A-Cyanid
LACH-210-001A-Phenols TOTAL
1664A-Calc-SGT-HEM

STS-MW-3:
8270C-LL App III/VI
608PCB's in WATER
LACH 210-001A-Phenols TOTAL
1664A CALC-SGT-HEM

Sampled by (print): RICHARD SOUZA Signature:

Relinquished by:	Date: 4-7-10	Time: 1630	Received by:	Date: 4-7-10	Time: 1630
Relinquished by:	Date: 4-7-10	Time: 1910	Received by:	Date: 4/7/10	Time: 1910
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Cooler ? (Y) / N MADEP Requirement Samples Iced (Y) / N

Temp @ receipt: 5.8°C/6.8°C °C

Preservation / pH checked? (Y) / N

By: LW Date: 4/7/10

TestAmerica Westfield

WI-QA-010-REV 5

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White = Lab file Pink = Customer copy