MA6910269

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**: MADCR Storm Sewers and General Electric (GE) Inspection and Repair Service Center		**Facility/site** address: MADCR Sewer from 3960 to 4060 Mystic Valley Parkway		
Location of **facility/site**: longitude: 71 05 09 latitude: 42 24 11	Facility SIC code(s): 7699 (GE Property)	Street: 3960 to 4060 Mystic Valley Parkway		
b) Name of **facility/site owner:** General Electric International Inc.		Town: Medford		
Email address of owner: dawn.varacchi@ge.com		State: MA	Zip: 02155	County: Middlesex
Telephone no.of facility/site **owner**: (508) 836-6728				
Fax no. of facility/site **owner**: (508) 836-6644		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private_____ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 1400 Computer Drive, Suite 100				
Town: Westborough	State: MA	Zip: 01581	County: Worcester	
c) Legal name of **operator**: Maxymillian Technologies, Inc.		**Operator** telephone no: (413) 499-3050		
		Operator fax no.: (413) 443-0511	**Operator** email: janthony@maxymillian.com	
Operator contact name and title: John B. Anthony, Vice President				

Address of **operator** (if different from owner):	Street: 1801 East Street		
Town: Pittsfield	State: MA	Zip: 01201	County: Berkshire

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: MA RTN 3-00371
2. permit or license # assigned: Tier 1C Permit WO19135
3. state agency contact information: name, location, and telephone number:
MassDEP, NE Region, BWSC 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:
4. any other water quality related permit? Y✓ N___, if Y, number:
W064540 See Section 7

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:
Collection, treatment and discharge of wastewater generated during cleaning of the storm sewers along the sidewalk of the Mystic Valley Parkway in Medford, MA

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, ft^3/s)? Max. flow 0.33 Average flow 0.11 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. cubic feet per second

3) Latitude and longitude of each discharge within 100 feet: pt.1:long._____ lat._____; 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): NA	5) Is the discharge intermittent ✓ or seasonal ____? Is discharge ongoing Yes ____ No ✓ ?
c) Expected dates of discharge (mm/dd/yy): start 10/20/06 end 01/31/07	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

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

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

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

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	2	Composite	160.2	5000	28000	22.894	14000	3.816
2. Total Residual Chlorine	✓		1	Composite	330.1	50				
3. Total Petroleum Hydrocarbons	✓			Composite	8100	200				
4. Cyanide		✓	1	Composite	335.2	0.005	8	0.0065	8	0.0022
5. Benzene	✓		1	Composite	624	1.0				
6. Toluene	✓		1	Composite	624	1.0				
7. Ethylbenzene	✓		1	Composite	624	1.0				
8. (m,p,o) Xylenes	✓		1	Composite	624	2.0				
9. Total BTEX[4]	✓		1	Composite	624	varies				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1	Composite	624	1.0				
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Composite	624	20.0				
12. tert-Butyl Alcohol (TBA)	✓		1	Composite	624	100				
13. tert-Amyl Methyl Ether (TAME)	✓		1	Composite	624	20.0				
14. Naphthalene	✓		1	Composite	8270	4.9				
15. Carbon Tetra-chloride	✓		1	Composite	624	1.0				
16. 1,4 Dichlorobenzene	✓		1	Composite	624	5.0				
17. 1,2 Dichlorobenzene	✓		1	Composite	624	5.0				
18. 1,3 Dichlorobenzene	✓		1	Composite	624	5.0				
19. 1,1 Dichloroethane	✓		1	Composite	624	1.5				
20. 1,2 Dichloroethane	✓		1	Composite	624	1.5				
21. 1,1 Dichloroethylene	✓		1	Composite	624	1.0				
22. cis-1,2 Dichloro-ethylene	✓		1	Composite	624	1.0				
23. Dichloromethane (Methylene Chloride)	✓		1	Composite	624	5.0				
24. Tetrachloroethylene	✓		1	Composite	624	1.5				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	Composite	624	2.0				
26. 1,1,2 Trichloroethane	✓		1	Composite	624	1.5				
27. Trichloroethylene	✓		1	Composite	624	1.0				
28. Vinyl Chloride	✓		1	Composite	624	2.0				
29. Acetone		✓	1	Composite	624	10	11	0.0089	11	0.0029
30. 1,4 Dioxane	✓		1	Composite	624	2000				
31. Total Phenols	✓		1	Composite	8270	varies				
32. Pentachlorophenol	✓		1	Composite	8270	20.0				
33. Total Phthalates [5] (Phthalate esthers)	✓		1	Composite	8270	varies				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Composite	8270	9.9				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		✓				0.20	23.53	0.0192	23.53	0.0064
a. Benzo(a) Anthracene		✓	1	Composite	8270M	0.20	0.82	0.0006	0.82	0.0002
b. Benzo(a) Pyrene		✓	1	Composite	8270M	0.20	2.2	0.0017	2.2	0.0006
c. Benzo(b)Fluoranthene		✓	1	Composite	8270M	0.20	6.8	0.0055	6.8	0.0018
d. Benzo(k) Fluoranthene		✓	1	Composite	8270M	0.20	5.8	0.0047	5.8	0.0015
e. Chrysene		✓	1	Composite	8270M	0.20	4.3	0.0035	4.3	0.0012

[5] 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		✓	1	Composite	8270M	0.20	0.71	0.0006	0.71	0.0002
g. Indeno(1,2,3-cd) Pyrene		✓	1	Composite	8270M	0.20	2.9	0.0024	2.9	0.0008
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		✓				0.20	19.32	0.0158	19.32	0.0053
h. Acenaphthene	✓		1	Composite	8270M	0.20				
i. Acenaphthylene	✓		1	Composite	8270M	0.20				
j. Anthracene		✓	1	Composite	8270M	0.20	0.22	0.0002	0.22	0.0001
k. Benzo(ghi) Perylene		✓	1	Composite	8270M	0.20	3.1	0.0025	3.1	0.0008
l. Fluoranthene		✓	1	Composite	8270M	0.20	8.1	0.0066	8.1	0.0022
m. Fluorene	✓		1	Composite	8270M	0.20				
n. Naphthalene-	✓		1	Composite	8270M	0.20				
o. Phenanthrene		✓	1	Composite	8270M	0.20	3.1	0.0025	3.1	0.0008
p. Pyrene		✓	1	Composite	8270M	0.20	4.8	0.0039	4.8	0.0013
37. Total Polychlorinated Biphenyls (PCBs)		✓	1	Composite	8082	0.278	0.675	0.0006	0.675	0.0002
38. Antimony	✓		1	Composite	200.9	2				
39. Arsenic	✓		1	Composite	200.7	5				
40. Cadmium		✓	1	Composite	213.2	0.5	0.7	0.0006	0.7	0.0002
41. Chromium III		✓	1	Composite	6010B	5.0	6.2	0.0051	6.2	0.0017
42. Chromium VI	✓		1	Composite	3500C	5.0				

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		✓	1	Composite	200.7	5	35	0.0286	35	0.0095
44. Lead		✓	1	Composite	200.9	3	20	0.0163	20	0.0054
45. Mercury	✓		1	Composite	245.2	0.2				
46. Nickel	✓		1	Composite	200.7	25				
47. Selenium	✓		1	Composite	200.7	5				
48. Silver	✓		1	Composite	272.2	0.2				
49. Zinc		✓	1	Composite	200.7	50	246	0.2011	246	0.0670
50. Iron		✓	1	Composite	200.7	50	2400	1.9623	2400	0.6541
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? Cd, Cu, Pb, Zn, Fe
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:_____ DF: _____	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:

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:

Influent water enters the Water Treatment System intoa 5000-gallon Flocculation Tank with gel flocculant and coarse screens to remove coarse particulate. Next, fine particulate is removed in a 5000-gallon settling tank with fine screens. From here, water is pumped into one or more 20,000-gallon frac tanks for further particulate removal and storage. Next, water passes through a series of Rosedale bag filters before entering the Lead and Lag (1500 lbs. each) activated carbon system where organics (PCBs) are removed. Treated water then passes through bag filters for storage in one or more frac tanks prior to sampling and discharge.

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): Settling Tank Flocculation Tank			

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 50 gpm Maximum flow rate of treatment system *see below Design flow rate of treatment system 150gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

*from c) above - Primary Treatment System max flow rate = 400 gpm. Secondary Treatment System max flow rate= 150 gpm

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

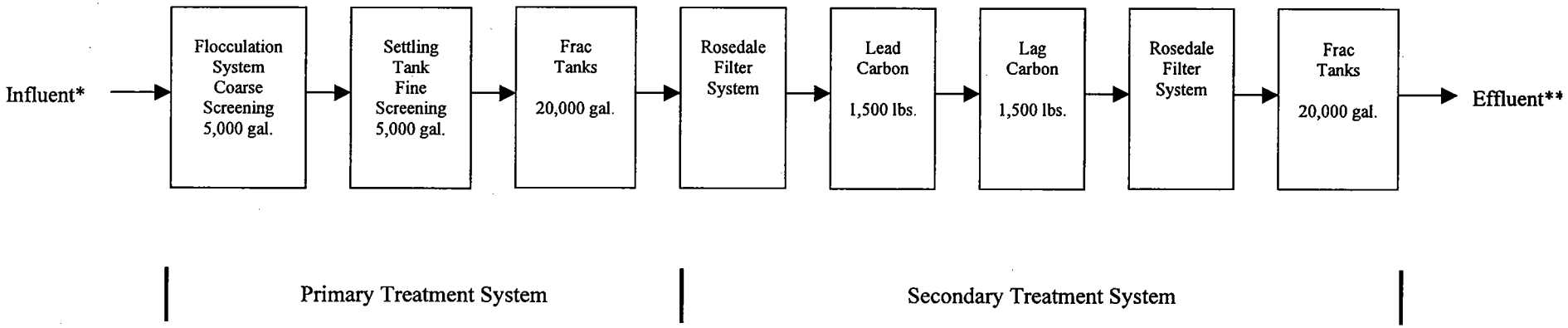
a) Identify the discharge pathway:	Direct ✓	Within facility	Storm drain	River/brook	Wetlands	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

The discharge pathway will be from the Water Treatment System into an un-named slough which discharges to the Mystic River.

GE / Medford: Water Treatment System

Process Flow Diagram



* Remedial wastewater generated during cleaning of storm sewers
** Un-Named slough of the Mystic 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 B,

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

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

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

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

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes___ No✓
Has any consultation with the federal services been completed ? ✓ No___ or is consultation underway? Yes___ No___
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (~~check~~ one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes✓ No_____

7. Supplemental information. :

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

Re: Sections 1.f. and 6.a.:
Storm sewer remediation that requires this NOI is being performed in conjunction with sediment remediation in the slough of the Mystic River. The slough sediment remediation has been permittted separately by the Army Corps of Engineers (404 Permit 17), MassDEP (401 Water Quality Certification and Chapter 91 Permit) and the Medford Conservation Commission (Wetlands Permit). The water quality permit (Section 1.f.) and consultations with Federal Services (Section 6.a.) were completed as part of the slough sediment remediation permitting.

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: MADCR Storm Sewers and GE Inspection and Repair Service Center

Operator signature: John B. Anthony Digitally signed by John B. Anthony DN: cn=John B. Anthony, c=US Date: 2006.10.05 14:15:40 -04'00' Validity unknown

Title: Vice President

Date: 10/05/06

Report Date:
27-Sep-06 16:32

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Maxymillian Technologies, Inc.
1801 East Street
Pittsfield, MA 01201
Attn: John Anthony

Project: GE/Medford - Mystic Valley Parkway
Project 06047

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA51459-01	GE Med 001	Water	22-Sep-06 09:52	22-Sep-06 12:35

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 11 pages of analytical data plus Chain of Custody document(s).
This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

ACCREDITED IN ACCORDANCE WITH nelac

Authorized by:

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

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

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GE Med 001	06047	Water	22-Sep-06 09:52	22-Sep-06
SA51459-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
Volatile Organic Compounds by GCMS											
Prepared by method SW846 5030 Water MS											
106-93-4	1,2-Dibromoethane	BRL		µg/l	1.0	1	EPA 624	23-Sep-06	23-Sep-06	6091568	mar
67-64-1	Acetone	BRL		µg/l	20.0	1	"	"	"	"	"
71-43-2	Benzene	BRL		µg/l	1.0	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-25-2	Bromoform	BRL		µg/l	1.0	1	"	"	"	"	"
74-83-9	Bromomethane	BRL		µg/l	2.0	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL		µg/l	10.0	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL		µg/l	1.0	1	"	"	"	"	"
108-90-7	Chlorobenzene	14.0		µg/l	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL		µg/l	2.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL		µg/l	1.0	1	"	"	"	"	"
74-87-3	Chloromethane	BRL		µg/l	2.0	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL		µg/l	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		µg/l	1.0	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	1.6		µg/l	1.0	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	3.3		µg/l	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL		µg/l	1.0	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL		µg/l	1.0	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL		µg/l	1.0	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL		µg/l	10.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL		µg/l	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL		µg/l	10.0	1	"	"	"	"	"
100-42-5	Styrene	1.1		µg/l	1.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
108-88-3	Toluene	BRL		µg/l	1.0	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL		µg/l	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL		µg/l	1.0	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL		µg/l	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL		µg/l	2.0	1	"	"	"	"	"
95-47-6	o-Xylene	BRL		µg/l	1.0	1	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*91.8*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*114*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*			"	"	"	"	"
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3535											
8006-61-9	Gasoline	BRL		mg/l	0.2	1	+SW846 8100Mod.	25-Sep-06	27-Sep-06	6091584	DS

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

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
GE Med 001 SA51459-01	06047	Water	22-Sep-06 09:52	22-Sep-06

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Extractable Petroleum Hydrocarbons											
TPH 8100 by GC											
Prepared by method SW846 3535											
68476-30-2	Fuel Oil #2	BRL		mg/l	0.2	1	+SW846 8100Mod.	25-Sep-06	27-Sep-06	6091584	DS
68476-31-3	Fuel Oil #4	BRL		mg/l	0.2	1	"	"	"	"	"
68553-00-4	Fuel Oil #6	BRL		mg/l	0.2	1	"	"	"	"	"
M09800000	Motor Oil	BRL		mg/l	0.2	1	"	"	"	"	"
8032-32-4	Ligroin	BRL		mg/l	0.2	1	"	"	"	"	"
J00100000	Aviation Fuel	BRL		mg/l	0.2	1	"	"	"	"	"
	Unidentified	BRL		mg/l	0.2	1	"	"	"	"	"
	Other Oil	BRL		mg/l	0.2	1	"	"	"	"	"
	Total Petroleum Hydrocarbons	BRL		mg/l	0.2	1	"	"	"	"	"
Surrogate recoveries:											
3386-33-2	*1-Chlorooctadecane*	*80.3*		*40-140 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-47-3	Chromium	0.0062		mg/l	0.0050	1	SW846 6010B	25-Sep-06	26-Sep-06	6091649	LR
General Chemistry Parameters											
	Trivalent Chromium	0.0062		mg/l	0.0050	1	Calculation	25-Sep-06	26-Sep-06	6091649	LR
1854-029-9	Hexavalent Chromium	BRL		mg/l	0.005	1	SM3500CrD/7196A	22-Sep-06 16:30	22-Sep-06	6091570	ES

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 6091568 - SW846 5030 Water MS										
Blank (6091568-BLK1)										
Prepared & Analyzed: 23-Sep-06										
1,2-Dibromoethane	BRL		µg/l	1.0				70-130		25
Acetone	BRL		µg/l	20.0						
Benzene	BRL		µg/l	1.0						
Bromodichloromethane	BRL		µg/l	1.0						
Bromoform	BRL		µg/l	1.0						
Bromomethane	BRL		µg/l	2.0						
2-Butanone (MEK)	BRL		µg/l	10.0						
Carbon tetrachloride	BRL		µg/l	1.0						
Chlorobenzene	BRL		µg/l	1.0						
Chloroethane	BRL		µg/l	2.0						
Chloroform	BRL		µg/l	1.0						
Chloromethane	BRL		µg/l	2.0						
Dibromochloromethane	BRL		µg/l	1.0						
1,2-Dichlorobenzene	BRL		µg/l	1.0						
1,3-Dichlorobenzene	BRL		µg/l	1.0						
1,4-Dichlorobenzene	BRL		µg/l	1.0						
1,1-Dichloroethane	BRL		µg/l	1.0						
1,2-Dichloroethane	BRL		µg/l	1.0						
1,1-Dichloroethene	BRL		µg/l	1.0						
cis-1,2-Dichloroethene	BRL		µg/l	1.0						
trans-1,2-Dichloroethene	BRL		µg/l	1.0						
1,2-Dichloropropane	BRL		µg/l	1.0						
cis-1,3-Dichloropropene	BRL		µg/l	1.0						
trans-1,3-Dichloropropene	BRL		µg/l	1.0						
Ethylbenzene	BRL		µg/l	1.0						
2-Hexanone (MBK)	BRL		µg/l	10.0						
Methyl tert-butyl ether	BRL		µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL		µg/l	10.0						
Methylene chloride	BRL		µg/l	10.0						
Styrene	BRL		µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL		µg/l	1.0						
Tetrachloroethene	BRL		µg/l	1.0						
Toluene	BRL		µg/l	1.0						
1,1,1-Trichloroethane	BRL		µg/l	1.0						
1,1,2-Trichloroethane	BRL		µg/l	1.0						
Trichloroethene	BRL		µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL		µg/l	1.0						
Vinyl chloride	BRL		µg/l	1.0						
m,p-Xylene	BRL		µg/l	2.0						
o-Xylene	BRL		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*46.1*		µg/l		*50.0*		*92.2*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.7*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
LCS (6091568-BS1)										
Prepared & Analyzed: 23-Sep-06										
Acetone	19.8		µg/l		20.0		99.0	70-130		
Benzene	20.0		µg/l		20.0		100	70-130		
Bromodichloromethane	19.9		µg/l		20.0		99.5	35-155		
Bromoform	13.4		µg/l		20.0		67.0	45-169		
Bromomethane	21.4		µg/l		20.0		107	1-242		
2-Butanone (MEK)	15.4		µg/l		20.0		77.0	70-130		
Carbon tetrachloride	17.6		µg/l		20.0		88.0	70-140		