TRICORE ENVIRONMENTAL, LLC

June 24, 2010

VIA USPS PRIORITY MAIL
WITH DELIVERY CONFIRMATION

Mr. Brian Bauer
Illinois Environmental Protection Agency
Bureau of Land #24
Leaking Underground Storage Tank Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

RE: LPC No. 0971855024 – Lake County
Wauconda/Shivam Energy, Inc.
399 West Liberty Street
IEMA Incident No. 903199
LUST TECHNICAL FILE

Dear Mr. Bauer:

TriCore Environmental, LLC, on behalf of Shivam Energy, Inc., is providing an original and one copy of an Illinois Environmental Protection Agency Leaking Underground Storage Tank Program Free Product Removal Plan and Budget for the Illinois Emergency Management Agency incident number referenced above.

If you should have any questions concerning this submittal or require additional information, please contact either of the undersigned at (630) 520-9973.

Sincerely,

Marcos I. Czakó, P.G.
Senior Project Manager

Shawn Rodeck, P.E.
President

cc: Mr. Rajani Patel, Shivam Energy, Inc., 399 W. Liberty St., Wauconda, Illinois 60084
Ms. Jackie D. Soccorso, Village of Wauconda, 109 W. Bangs St., Wauconda, Illinois 60084
Ms. Diane Ducy, Wauconda Park District, 600 N. Main St., Wauconda, Illinois 60084
Ms. Gwen Carey, 363 Bangs St., Wauconda, Illinois 60084
Mr. Gary Bird, 343 Bangs St., Wauconda, IL 60084

Attachment

1800 WEST HAWTHORNE LANE, SUITE P • WEST CHICAGO, IL • 60185
TELEPHONE: (630) 520-9973 • FACSIMILE: (630) 520-9976
WWW.TRICOREWEB.COM

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
FREE PRODUCT REMOVAL PLAN

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084
IEMA Incident No. 903199
LPC No. 0971855024

Prepared for:

Mr. Rajani Patel
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084

Prepared by:

TriCore Environmental, LLC
1800 West Hawthorne Lane, Suite P
West Chicago, Illinois 60185
Phone: (630) 520-9973
Fax: (630) 520-9976

June 24, 2010

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APPENDICIES

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Free Product Removal

A. Site Identification

IEMA Incident # (6- or 8-digit): 903199 IEPA LPC # (10 digit): 0971855024
Site Name: Shivam Energy, Inc.
Site Address (Not a PO Box): 399 West Liberty Street
City: Wauconda County: Lake ZIP Code: 60084

Leaking UST Technical File

B. Information Provided

1. **Free Product Removal Plan** ☒
2. **Free Product Removal Budget** ☒
3. **Free Product Removal Report** ☐

C. Free Product Removal

Provide the following:

1. **The names(s) of the person(s) responsible for implementing the free product removal measures;**

   The names of the people responsible for implementing the free product removal measures are provided below in Section F.

2. **The estimated quantity, type, and thickness of free product observed or measured in boreholes, wells, excavation, etc.;**

   Details regarding the free product removal activities completed from December 29, 2008 through April 1, 2009 were provided in the Free Product Removal Plan (FPRP) dated April 6, 2009.

   From May 19, 2009 through June 22, 2010, TriCore Environmental, LLC (TriCore) periodically gauged MW-2, MW-4, MW-6, MW-8S, MW-8D, MW-9S, MW-9D, MW-11S, MW-11D, MW-12S, MW-12D, MW-24 through MW-32, MP-3, RW-1 through RW-6, SUMP, and S-1 through S-3. The locations of the wells are illustrated on Figure 1. The wells and sumps were gauged with an electronic oil/water interface meter equipped with an audible signal. The meter was washed using a distilled water and Simple Green® solution wash between each use. Free product was present within MW-26, MW-27, MW-29 through MW-31, RW-2 through RW-6, and S-1 through S-3 during these dates. Gauging results are summarized in Table 1. The estimated extent of free product is illustrated on Figure 2.

   Based on the visual observations of the free product in these locations, the free product is identical in nature to the free product observed at the site from December 29, 2008

through April 1, 2009 and is determined to be associated with Illinois Emergency Management Agency (IEMA) incident number 903199.

3. **The type of free product recovery system used and technical justification for the method of recovery chosen;**

On May 15, 2009, TriCore oversaw the installation of one free product recovery well (RW-3) and seven free product delineation wells (SB-51/MW-29 through SB-54/MW-32 and RW-4 through RW-6). The locations of the wells are illustrated on Figure 1. Please note that RW-4 through RW-6 will also be utilized as recovery wells for the remediation system that will be installed at the site. The wells were installed using the following drilling and sampling procedures.

The borings were drilled and sampled to a minimum of 5 feet below land surface (bls) using a stainless steel hand auger to collect soil samples in 1.0-foot depth intervals. The hand auger was utilized to minimize the risk of damage to subsurface structures and utilities. Reducing the risk of striking utility lines increased the safety factor for drillers and other on-site personnel.

The borings were then completed with a track-mounted Geoprobe® using direct-push technology to advance the borings. Continuous soil samples were collected from SB-51/MW-29 through SB-54/MW-32 and RW-4 at 2.5-foot intervals from 5 feet bls to the termination depth of the borings. All soil samples were collected within a 2.25-inch inside diameter by 5.0-foot long Macro-core® sampler. To prevent cross contamination between the sampling intervals, all of the drilling and sampling equipment was decontaminated prior to each use using a distilled water and Liquinox® solution wash, followed by a distilled water rinse. All of the soil cuttings generated during the installation of the borings were contained on site in 55-gallons drums. Soil samples were not collected from RW-3, RW-5, and RW-6 since these borings were installed adjacent to MW-27, SB-44, and SB-45.

As soil samples were collected, the geology of the subsurface soil was described. Then upon retrieval, a portion of each soil sample was immediately divided for field screening and laboratory analysis. Samples designated for field screening were placed in airtight plastic bags, allowed to volatilize and equilibrate, and then screened for the presence of volatile organic compounds using a photoionization detector (PID) equipped with a 10.6 electron-volt lamp. The PID was field calibrated using isobutylene gas prior to use. From the other portion of each sample, two 5-gram samples were collected and placed in laboratory-provided 40-milliliter glass vials containing methanol as a preservative, and one 4-ounce (oz) sample was collected and placed in a laboratory-provided 4-oz plastic container. The samples were then labeled accordingly and packed in a cooler containing ice. The soil sample from each boring collected above the field-interpreted water table exhibiting the highest PID measurement was submitted for laboratory analysis. The soil samples were submitted under standard chain-of-custody protocol to Pace Analytical Services, Inc. (Pace) in Green Bay, Wisconsin for benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) analysis using United States Environmental Protection Agency (USEPA) Method 8021. Additionally, one soil sample was submitted to Pace for waste disposal parameters, which includes pH, toxicity

characteristic leaching procedure lead, paint filter, and flash point. Analytical laboratory results from the soil samples collected are summarized in Table 2 and illustrated on Figure 3. Copies of the analytical laboratory reports and certification are provided in Appendix A. Soil boring logs are provided in Appendix B.

After the borings were completed, monitoring wells were installed within SB-51/MW-29 through SB-54/MW-32 and a recovery well was installed within RW-4. Additionally, recovery wells were also installed in RW-3, RW-5, and RW-6. The monitoring wells were constructed out of 2-inch inside diameter, Schedule 40 poly vinyl chloride (PVC) casing, 2-inch diameter, 0.010-inch slot Schedule 40 PVC screen, a 2-inch end cap, and a 2-inch well plug. The recovery wells were constructed out of 4-inch inside diameter, Schedule 40 PVC casing, 4-inch diameter, 0.010-inch slot Schedule 40 PVC screen, a 4-inch end cap, and a 4-inch well plug. The wells were constructed so that the screened portion of each well intersects the groundwater table. The annulus of each well was filled with washed silica sand to a minimum of 1 foot above the top of the well screen. Bentonite pellets were added followed by bentonite chips to approximately 6 inches below the top of the well casing. The bentonite pellets and chips were hydrated to provide a seal to prevent potential surface water from migrating into the wells through the sand pack. A flush-mount well vault with a bolt-down cover was installed within a concrete well pad to cap and protect each well. Well construction diagrams are provided in Appendix B.

On June 17, 2009, TriCore installed a free product recovery system to continually recover free product from the site. The free product recovery system consists of a peristaltic pump that uses a standard brushless digital drive, four independent pump heads, and high performance tygon fuel-type tubing. The peristaltic pump is connected by ¼-inch SAE 30r7 fuel-line hose to individual skimmers which were installed within the wells containing free product. Each skimmer contains a float that is designed to float on top of the groundwater. An inlet to the reservoir of the skimmer is located near the top of the float to allow for the recovery of free product and not groundwater. The free product is then removed from the reservoir into a free product storage tank by the peristaltic pump. The free product storage tank contains a float switch that shuts off the free product recovery system when the tank is full. When the free product storage tank is full, TriCore contracts North Branch Environmental (North Branch) of Roselle, Illinois to pump out the tank. After pumping out the tank, North Branch transports the free product and groundwater to Ortek in McCook, Illinois for treatment and disposal. Please note that although the skimmers are installed within the wells to only recover free product, contaminated groundwater is occasionally recovered due to the fluctuating groundwater table and the depth at which each skimmer was installed. The skimmers are adjusted as needed based on the depth to groundwater within the wells.

From June 17 through December 8, 2009, the free product recovery system operated continuously. Based on the thickness of free product in the wells during each operation and maintenance (O&M) event, the skimmers were placed in the wells containing the greatest thickness of free product on that date. The skimmers were then left in that well until the following gauging event, when the product thicknesses were reevaluated.

On December 8, 2009, the free product recovery system was disconnected from the skimmers and the system was shut down to prevent freezing of the lines and/or pump during the winter. The skimmers remained in the wells containing free product to continually recovery free product from the site. During each site visit, the skimmers were emptied of any free product and groundwater that had accumulated within the reservoirs. The free product and groundwater were emptied into the free product storage tank. The skimmers were then placed back into the wells.

On March 18, 2010, the skimmers were reconnected to the free product recovery system and the system was restarted. The free product recovery system has been operating continuously since March 18, 2010. From June 17, 2009 through June 22, 2010, the free product recovery system has recovered a total of 298 gallons of free product. The volume of free product recovered between each site visit using the free product recovery system and skimmers are summarized in Table 3. Copies of the waste manifests for the free product and groundwater that have been removed from the free product storage tank and disposed of are provided in Appendix C.

Proposed Free Product Recovery

The on-site free product recovery system will continue to operate until recovery has been completed or free product in the wells does not exceed one-eighth of an inch in thickness. During it's operation, TriCore will continue to perform weekly O&M on the system for a period of three months. During a typical O&M day, TriCore inspects the system, and gauges all of the existing monitoring and recovery wells. System component cleaning and repairs, and free product storage tank pump outs will be performed on a periodic or as needed basis.

From May 19, 2009 through June 22, 2010, a total of 48 O&M and free product recovery events were performed. Costs for 12 of these events were included in the Free Product Removal Budget provided in the aforementioned FPRP. Costs for the additional 36 events that were performed and the proposed bimonthly O&M events are included in the Free Product Removal Budget provided in Appendix D. An Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form is provided in Appendix E. A copy of the Office of the State Fire Marshal Eligibility and Deductible Determination letter is provided in Appendix F.

4. **Whether any discharge will take place on- or off-site during the recovery operation and where this discharge (point) will be located;**

   No discharge took place or will take place on or off site during the recovery operations.

5. **The type of treatment applied to, and the effluent quality expected from, any discharge;**

   As mentioned above in Section C. 4., no discharge took place or will take place on or off site during the recovery operations.

6. **The disposition of the recovered free product;**

   The free product and groundwater that were removed from the free product storage tank from July 1, 2009 through June 17, 2010 were transported off-site by North Branch for

treatment and disposal at Ortek. Copies of the waste manifests are provided in Appendix C.

7. **The steps that have been taken or that are being taken to obtain necessary permits for any discharge;**

   As mentioned above in Section C. 4., no discharge took place or will take place on or off site during the recovery operations; therefore, no discharge permits were or will be required.

8. **The steps taken to identify the source and extent of free product; and**

   Identification of the Source

   The source of the free product is determined to be IEMA incident number 903199, which was reported on October 30, 1990 as a result of the removal of two 6,000-gallon underground storage tanks from the site.

   Identification of the Extent – Proposed Free Product Delineation Activities

   Based on the free product present in MW-27, MW-29 through MW-31, RW-2 through RW-4, RW-6, and S-1 through S-3 on June 22, 2010, TriCore is proposing the installation of seven groundwater monitoring wells (MW-33, SB-55/MW-34 through SB-58/MW-37, MW-38, and RW-7) to a maximum depth of 15 feet bls. Please note that RW-7 will also be utilized as a recovery well for the remediation system that will be installed at the site. The locations of the proposed groundwater monitoring wells are illustrated on Figure 1. The wells will be installed using the drilling and sampling procedures described above in Section C. 3.

   The soil sample from SB-55/MW-34 through SB-58/MW-37 collected above the field-interpreted water table exhibiting the highest PID measurement will be submitted under standard chain-of-custody protocol to an Illinois Environmental Laboratory Accreditation Program approved laboratory for BTEX and MTBE analysis using USEPA methods. Soil samples will not be collected from MW-33, MW-38, and RW-7 since these wells will be installed adjacent to SB-43, SB-45, and SB-49 which were completed and sampled on February 2, 2009.

   After soil samples are collected, a 2-inch inside diameter monitoring well will be installed in MW-33, SB-35/MW-34 through SB-58/MW-37, and MW-38, and a 4-inch inside diameter monitoring well will be installed in RW-7 using the methods and materials described above in Section C. 3.

   Approximately one week after the wells have been installed, all of the existing on-site wells will be gauged using the methods described above in Section C. 2. If free product is present in any of the wells, additional wells may be required to assess the extent of the free product. The additional wells, if required, will be proposed in a FPRP. In addition, the top-of-casing elevation of each well will be surveyed so that groundwater elevations and flow direction can be determined.

   Costs associated with the proposed free product delineation activities described above are provided in the Free Product Removal Budget provided in Appendix D.

9. **A schedule of future activities necessary to complete the recovery of free product still exceeding one-eighth of an inch in depth.**

The following is a proposed schedule for the implementation of this plan once it has been approved by the Illinois Environmental Protection Agency (IEPA).

Activity	Projected Completion Time
Free product system O&M	Months 1 through 3
Installation of free product delineation wells	Month 1
Prepare and submit a quarterly FPRP and Budget or Report	Month 3

D. Supporting Documentation

Provide the following:

1. **Site map meeting requirements of 35 Ill. Adm. Code 732.110(a) or 734.440 and showing:**

   a. **Locations where free product was encountered including its estimated thickness;**
   b. **Location of recovery points;**
   c. **Location of the treatment unit; and**
   d. **Location of discharge points;**

   All of the items listed above are illustrated on Figure 2 except for the following:

   c. No treatment units were utilized at the site; and

   d. There were no discharge points at the site.

2. **A table showing the dates that free product recovery was conducted and the amount of free product recovered on each date; and**

   A table showing the dates that free product recovery was conducted and the amount of free product recovered on each date is summarized in Table 3.

3. **Copies of waste manifests.**

   Copies of the waste manifests for the free product and groundwater that were recovered from the free product storage tank from July 1, 2009 through June 17, 2010 are provided in Appendix C.

E. Submission of a Free Product Removal Plan

In accordance with 35 Ill. Adm. Code 732.203 or 734.215, if free product removal activities will be conducted more than 45 days after confirmation of the presence of free product, the owner or operator must submit to the Illinois EPA for review a free product removal plan and budget, if applicable. The plan must include the information requested under Sections C and D of this form, as applicable.

In accordance with 35 Illinois Administrative Code 734.215, since free product removal activities will be conducted more than 45 days after the confirmation of the presence of free product, TriCore is submitting this FPRP and Budget to the IEPA for review and approval.

F. Signatures

All plans, budgets, and reports must be signed by the owner or operator and list the owner's or operator's full name, address, and telephone number.

UST Owner or Operator

Name: Shivam Energy, Inc.
Contact: Rajani Patel
Address: 399 West Liberty Street
City: Wauconda
State: Illinois
ZIP Code: 60084
Phone: (847) 526-3455
Signature: Rajani Patel
Date: 05/28/2010

Consultant

Company: TriCore Environmental, LLC
Contact: Marcos I. Czakó, P.G.
Address: 1800 W. Hawthorne Ln., Suite P
City: West Chicago
State: Illinois
ZIP Code: 60185
Phone: (630) 520-9973
Signature:
Date: 06/23/2010

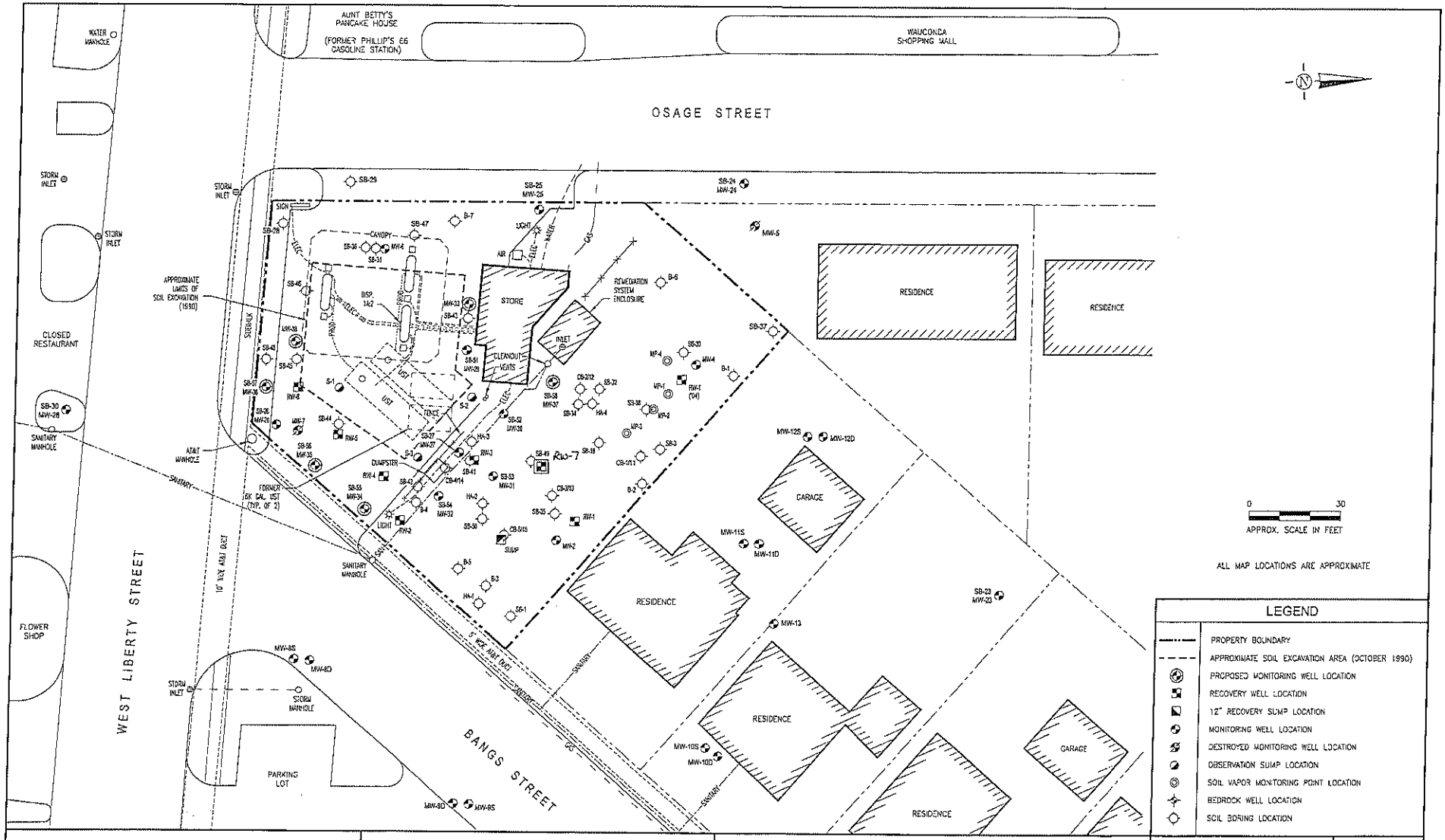
I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in this plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 731, 732, or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

Licensed Professional Engineer or Geologist

Name: Shawn Rodeck
Company: TriCore Environmental, LLC
Address: 1800 W. Hawthorne Ln., Suite P
City: West Chicago
State: Illinois
ZIP Code: 60185
Phone: (630) 520-9973
Ill. Registration No.: 062-052879
License Expiration Date: 11/30/11
Signature:
Date: 06/23/2010

L.P.E. or L.P.G. Seal

FIGURES



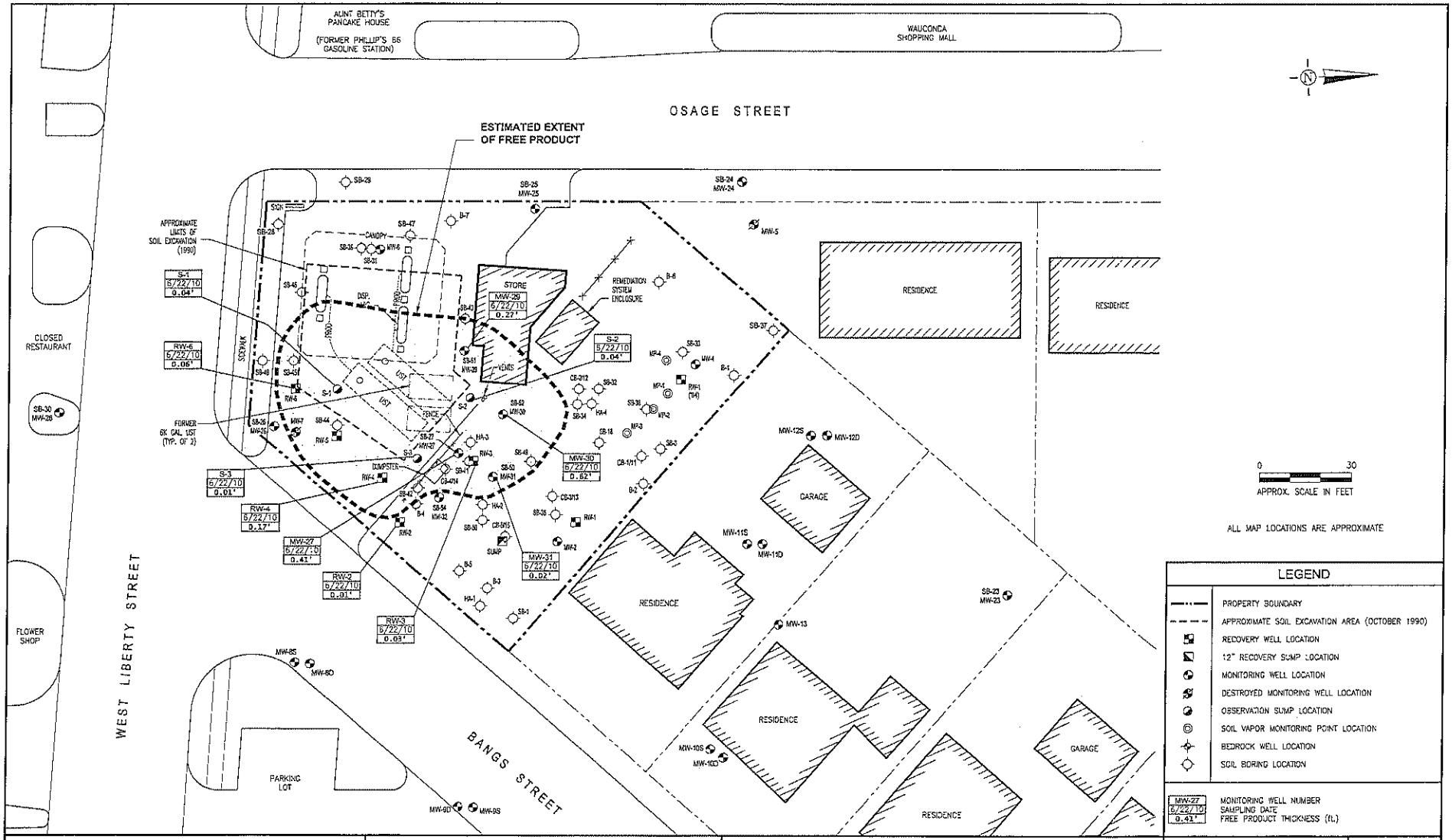
TriCore Environmental, LLC
1800 West Hawthorne Lane, Suite P
West Chicago, Illinois 60185
(630) 520-9973

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084

SITE MAP
SHIVAM ENERGY, INC.
399 WEST LIBERTY STREET
WAUCONDA, LAKE COUNTY, ILLINOIS 60084

DRAWN BY:	MWS
APPROVED BY:	SAR
SCALE:	1" = 30'
DATE:	6/27/10
DRAWING FILE:	0401PMW4

FIGURE
1



TriCore Environmental, LLC
1800 West Hawthorne Lane, Suite P
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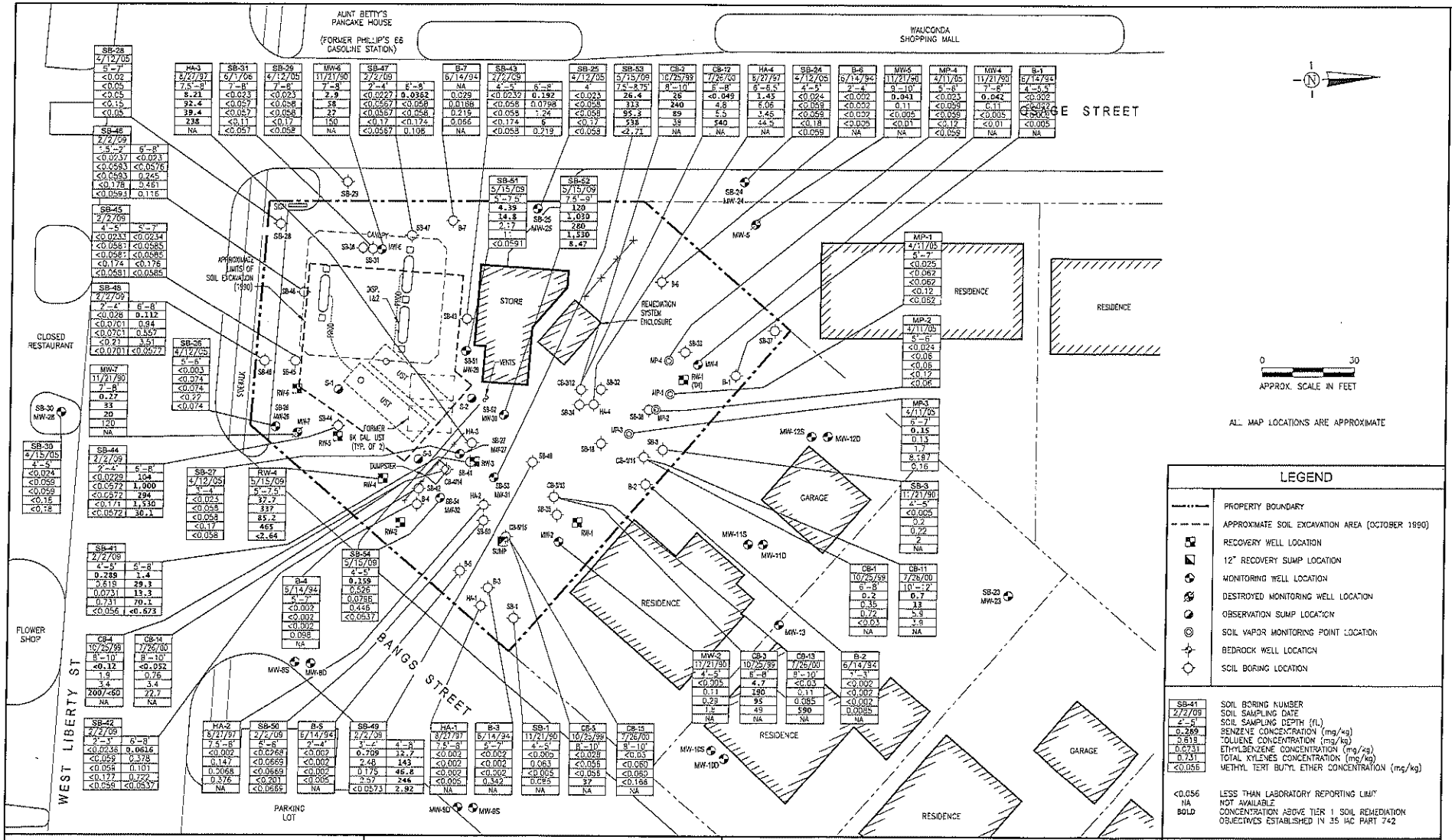
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084

FREE PRODUCT THICKNESS MAP
SHIVAM ENERGY, INC.
399 WEST LIBERTY STREET
WAUCONDA, LAKE COUNTY, ILLINOIS 60084

DRAWN BY:	MWS
APPROVED BY:	SAR
SCALE:	1" = 30'
DATE:	6/27/10
DRAWING FILE:	0401FPT1

FIGURE
2



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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084

SOIL ANALYTICAL RESULTS MAP - ON-SITE AREA
SHIVAM ENERGY, INC.
399 WEST LIBERTY STREET
WAUCONDA, LAKE COUNTY, ILLINOIS 60084

DRAWN BY:	MWS
APPROVED BY:	SAR
SCALE:	1" = 30'
DATE:	6/27/10
DRAWING FILE:	0401SA3A

FIGURE 3

TABLES

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-2	29-Nov-90		10.00	10.30	0.30						
MW-2	27-Jan-92		FP								
MW-2	19-Feb-92		FP								
MW-2	24-Aug-92		FP								
MW-2	19-Jan-93		FP								
MW-2	17-Jun-93	101.06		10.71		90.35	**0.23**	**3.2**	0.65	**15**	
MW-2	11-Nov-93	101.06		10.96		90.10	**0.134**	0.01	0.052	1.43	
MW-2	27-Jun-94	101.06	10.95	10.96	0.01	90.11					
MW-2	16-Feb-95	101.06		10.36		90.70	**0.178**	0.0313	0.447	0.3	
MW-2	28-Jul-95	101.06		10.13		90.93	**0.257**	0.117	0.139	0.808	
MW-2	22-Mar-96	101.06		11.14		89.92	**0.1**	0.154	0.331	3.93	
MW-2	17-Jun-96	101.06		9.33		91.73	0.0029	0.0041	0.0107	0.355	
MW-2	25-Sep-96	101.06		10.68		90.38	0.0154	0.0167	0.0546	0.584	
MW-2	24-Apr-97	101.06		9.89		91.17	**1.11**	**3.1**	**0.71**	5.76	
MW-2	17-Jun-97	101.06		9.88		91.18	**2.57**	**3.85**	0.487	5.53	
MW-2	27-Aug-97	101.06		10.48		90.58	**0.116**	0.519	0.534	7.45	
MW-2	5-Nov-97	113.61		10.75		102.86	**0.076**	0.02	0.31	2.4	
MW-2	27-Feb-98	113.61		10.23		103.38	**0.17**	0.029	0.074	0.73	
MW-2	10-Jun-98	113.61		10.08		103.53	**0.0079**	0.0011	0.0075	0.15	
MW-2	8-Oct-98	113.61		10.31		103.30	**0.013**	0.019	0.18	1.38	
MW-2	31-Mar-99	113.61		10.12		103.49	**0.64**	0.024	0.087	**250/<5**	
MW-2	9-Jun-99	113.61		10.00		103.61	**0.77**	0.22	0.075	0.62	
MW-2	2-Sep-99	113.61		10.60		103.01	**0.086**	0.0076	0.029	0.066	
MW-2	28-Oct-99	113.61		10.52		103.09	**0.16**	0.0025	0.016	0.041	
MW-2	23-Feb-00	113.61		10.32		103.29	**0.55**	0.019	0.27	0.861	
MW-2	24-May-00	113.61		9.77		103.84	**0.09**	0.11	0.11	1.37	
MW-2	15-Aug-00	113.61		10.21		103.40	**0.36**	0.13	0.054	0.41	
MW-2	9-Nov-00	113.61		10.03		103.58	**0.14**	0.099	0.12	0.96	
MW-2	11-Oct-01	113.61		10.24		103.37	**0.027**	0.036	0.02	0.142	
MW-2	14-Mar-02	113.61		9.85		103.76	**0.083**	0.012	0.13	0.72	
MW-2	6-Jun-02	113.61		9.62		103.99	**0.1**	0.052	0.32	3.08	
MW-2	30-Aug-02	113.61		10.16		103.45	**0.017**	0.0058	0.073	0.448	
MW-2	6-Dec-02	113.61		10.62		102.99	**0.012**	<0.001	0.003	0.0031/<0.001	
MW-2	6-May-04	113.61		10.34		103.27	**0.031**	0.0014	0.0046	0.003	<0.01
MW-2	21-Apr-05	113.61		10.17		103.44	**0.035**	<0.001	0.0022	0.029	0.024
MW-2	31-Dec-08	113.61		9.58		104.03					
MW-2	5-Jan-09	113.61		9.84		103.77					
MW-2	6-Jan-09	113.61					Obstruction in well, not able to collect samples				
MW-2	18-Aug-09	113.61		6.33		107.28					
MW-2	1-Sep-09	113.61		10.13		103.48					
MW-2	22-Jun-10	113.61		10.05		103.56					
MW-4	28-Nov-90						**3.5**	0.33	0.27	1.1	
MW-4	27-Jan-92						**3.1**	0.065	0.072	4.147	
MW-4	24-Aug-92						**0.14**	0.024	0.19	0.49	
MW-4	19-Jan-93						**0.26**	0.006	BDL	0.021	
MW-4	17-Jun-93	98.97		8.22		90.75	**0.015**	<0.001	<0.001	0.005	
MW-4	11-Nov-93	98.97		8.58		90.39	<0.001	<0.001	<0.001	<0.001	
MW-4	27-Jun-94	98.97		8.65		90.32	**0.154**	0.0243	0.0081	0.0098	
MW-4	16-Feb-95	98.97		8.24		90.73	**0.253**	0.113	0.0845	0.202	
MW-4	28-Jul-95	98.97		8.06		90.91	**0.179**	0.0115	0.175	0.261	
MW-4	22-Mar-96	98.97		8.75		90.22	**0.363**	0.346	0.178	0.456	
MW-4	17-Jun-96	98.97		5.79		93.18	<0.002	<0.002	<0.002	<0.005	
MW-4	25-Sep-96	98.97		8.44		90.53	0.0032	<0.002	0.0052	0.0052	
MW-4	24-Apr-97	98.97		7.84		91.13	**0.444**	0.0255	0.0945	0.11	
MW-4	17-Jun-97	98.97		6.87		92.10	**0.386**	0.0359	0.125	0.273	
MW-4	27-Aug-97	98.97		8.23		90.74	**0.0568**	0.0321	0.128	0.322	
MW-4	5-Nov-97	111.44		8.54		102.90	**0.037**	0.0035	0.043	0.11	
MW-4	27-Feb-98	111.44		7.98		103.46	**0.13**	<0.005	<0.005	0.04	
MW-4	10-Jun-98	111.44		7.94		103.50	**0.029**	0.019	0.022	0.052	
MW-4	8-Oct-98	111.44		8.52		102.92	**0.018**	0.0024	0.033	0.1/<0.001	
MW-4	31-Mar-99	111.44		8.07		103.37	<0.001	<0.001	<0.001	<0.003	
MW-4	9-Jun-99	111.44		8.07		103.37	**0.36**	0.028	0.28	0.8228	
MW-4	2-Sep-99	111.44		9.50		101.94	**0.18**	0.017	0.28	1.1/<0.005	
MW-4	28-Oct-99	111.44		8.44		103.00	**0.073**	0.0046	0.095	0.360/<0.004	

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-4	23-Feb-00	111.44		8.17		103.27	0.57	<0.005	0.042	0.061/<0.005	
MW-4	24-May-00	111.44		7.69		103.75	0.095	0.0057	0.01	0.0089/<0.001	
MW-4	15-Aug-00	111.44		8.10		103.34	0.36	0.022	0.13	0.140/<0.0025	
MW-4	9-Nov-00	111.44		7.97		103.47	0.16	<0.025	0.13	0.064/<0.005	
MW-4	11-Oct-01	111.44		8.11		103.33	0.039	0.005	0.03	0.013/<0.001	
MW-4	14-Mar-02	111.44		7.68		103.76	0.13	0.0049	<0.001	<0.003	
MW-4	6-Jun-02	111.44		7.35		104.09	0.013	<0.001	0.0058	0.0025/<0.001	
MW-4	30-Aug-02	111.44		8.05		103.39	0.14	0.013	0.035	0.031/<0.001	
MW-4	6-Dec-02	111.44		8.53		102.91	0.17	0.004	0.0016	0.016/<0.001	
MW-4	6-May-04	111.44		8.25		103.19	Obstruction in well, not able to collect samples				
MW-4	21-Apr-05	111.44		8.07		103.37	0.14	0.003	<0.001	0.0035	0.0011
MW-4	5-Jan-09	111.44		7.64		103.80					
MW-4	6-Jan-09	111.44					Obstruction in well, not able to collect samples				
MW-4	1-Sep-09	111.44		8.01		103.43					
MW-5	28-Nov-90						<0.005	<0.005	<0.005	<0.01	
MW-5	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-5	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-5	19-Jan-93						BDL	BDL	BDL	BDL	
MW-5	17-Jun-93	95.44		4.71		90.73	<0.001	<0.001	<0.001	<0.001	
MW-5	11-Nov-93	95.44		5.09		90.35	<0.001	<0.001	<0.001	<0.001	
MW-5	27-Jun-94	95.44		5.31		90.13	<0.001	<0.001	<0.001	<0.003	
MW-5	16-Feb-95	95.44		4.81		90.63	<0.002	<0.002	<0.002	<0.005	
MW-5	28-Jul-95	95.44		4.99		90.45	<0.0073	<0.002	<0.002	<0.005	
MW-5	22-Mar-96	95.44		5.28		90.16	<0.002	<0.002	<0.002	<0.005	
MW-5	17-Jun-96	95.44		4.24		91.20	<0.002	<0.002	<0.002	<0.005	
MW-5	25-Sep-96	95.44		5.07		90.37	<0.002	<0.002	<0.002	<0.005	
MW-5	24-Apr-97	95.44		4.40		91.04	<0.002	<0.002	<0.002	<0.005	
MW-5	17-Jun-97	95.44		4.34		91.10	<0.002	<0.002	<0.002	<0.003	
MW-5	27-Aug-97	95.44		4.84		90.60	<0.002	<0.002	<0.002	<0.003	
MW-5	5-Nov-97	108.15		5.21		102.94	<0.001	<0.001	<0.01	<0.003	
MW-5	27-Feb-98	108.15		4.58		103.57	<0.001	<0.001	<0.001	<0.003	
MW-5	10-Jun-98	108.15		4.53		103.62	<0.001	<0.001	<0.001	<0.003	
MW-5	8-Oct-98	108.15		4.78		103.37	<0.001	<0.001	<0.001	<0.003	
MW-5	31-Mar-99	108.15		4.76		103.39	0.053	0.07	0.11	0.38	
MW-5	9-Jun-99	108.15		4.65		103.50	<0.001	<0.001	<0.001	<0.003	
MW-5	2-Sep-99	108.15		5.34		102.81	<0.001	<0.001	<0.001	<0.002	
MW-5	28-Oct-99	108.15		5.19		102.96	<0.001	<0.001	<0.001	<0.003	
MW-5	23-Feb-00	108.15		4.92		103.23					
MW-5	24-May-00	108.15		4.34		103.81	<0.001	<0.001	<0.001	<0.003	
MW-5	15-Aug-00	108.15		4.81		103.34	<0.001	<0.001	<0.001	<0.003	
MW-5	9-Nov-00	108.15		4.75		103.40	<0.001	<0.001	<0.001	<0.003	
MW-5	11-Oct-01	108.15		4.80		103.35	<0.001	<0.001	<0.001	<0.003	
MW-5	14-Mar-02	108.15		4.41		103.74	<0.001	<0.001	<0.001	<0.003	
MW-5	6-Jun-02	108.15		4.63		103.52	<0.001	<0.001	<0.001	<0.003	
MW-5	30-Aug-02	108.15		4.75		103.40	<0.001	<0.001	<0.001	<0.003	
MW-5	6-Dec-02	108.15		5.24		102.91	<0.001	<0.001	<0.001	<0.003	
MW-5	6-May-04						Well destroyed				
MW-6	28-Nov-90						<0.005	<0.005	<0.005	<0.01	
MW-6	19-Jan-93						BDL	BDL	BDL	BDL	
MW-6	17-Jun-93	98.46		7.07		91.39	<0.001	<0.001	<0.001	<0.001	
MW-6	11-Nov-93	98.46		7.63		90.83	<0.001	<0.001	<0.001	<0.001	
MW-6	27-Jun-94	98.46		7.57		90.89	<0.001	<0.001	<0.001	<0.003	
MW-6	16-Feb-95	98.46		7.41		91.05	<0.002	<0.002	<0.002	<0.005	
MW-6	28-Jul-95	98.46		7.11		91.35	0.0045	<0.002	<0.002	<0.005	
MW-6	22-Mar-96	98.46		7.89		90.57	<0.002	<0.002	<0.002	<0.005	
MW-6	17-Jun-96	98.46		6.11		92.35	<0.002	<0.002	<0.002	<0.005	
MW-6	25-Sep-96	98.46		7.59		90.87	<0.002	<0.002	<0.002	<0.005	
MW-6	24-Apr-97	98.46		6.87		91.59	<0.002	<0.002	<0.002	<0.005	
MW-6	17-Jun-97	98.46		6.81		91.65	<0.002	<0.002	<0.002	<0.005	
MW-6	27-Aug-97	98.46		7.34		91.12	<0.002	<0.002	<0.002	<0.005	
MW-6	5-Nov-97	111.06		7.74		103.32	<0.001	<0.001	<0.002	<0.003	
MW-6	27-Feb-98	111.06		7.03		104.03	<0.001	<0.001	<0.001	<0.003	
MW-6	10-Jun-98	111.06		6.97		104.09	<0.001	<0.001	<0.001	<0.003	
MW-6	8-Oct-98	111.06		7.28		103.78	<0.001	<0.001	<0.001	<0.003	

TABLE 1

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-6	31-Mar-99	111.06		7.14		103.92	<0.001	<0.001	<0.001	<0.003	
MW-6	9-Jun-99	111.06		6.95		104.11	<0.001	<0.001	<0.001	<0.003	
MW-6	2-Sep-99	111.06		7.71		103.35	<0.001	<0.001	<0.001	<0.002	
MW-6	28-Oct-99	111.06		7.64		103.42	<0.001	<0.001	<0.001	<0.002	
MW-6	23-Feb-00	111.06		7.42		103.64	<0.001	<0.001	<0.001	<0.003	
MW-6	24-May-00	111.06		6.68		104.38	<0.001	<0.001	<0.001	<0.003	
MW-6	15-Aug-00	111.06		7.25		103.81	**0.58**	3.1	0.55	2.49	
MW-6	9-Nov-00	111.06		7.11		103.95	**0.069**	1	0.35	2.3	
MW-6	11-Oct-01	111.06	Sheen	7.39	Sheen	103.67					
MW-6	14-Mar-02	111.06	Sheen	6.93	Sheen	104.13	0.0029	0.002	0.015	0.032	
MW-6	6-Jun-02	111.06	Sheen	6.70	Sheen	104.36	0.0017	0.0016	0.012	0.0256	
MW-6	30-Aug-02	111.06	Sheen	7.27	Sheen	103.79	0.0015	0.0011	0.1	0.0245	
MW-6	6-Dec-02	111.06	Sheen	7.83	Sheen	103.23	<0.001	<0.001	0.0041	0.0099	
MW-6	6-May-04	111.06	Sheen	7.45	Sheen	103.61	<0.001	<0.001	0.001	<0.003	<0.001
MW-6	21-Apr-05	111.06		7.26		103.80					
MW-6	22-Apr-05	111.06					<0.001	<0.001	<0.001	<0.003	<0.001
MW-6	29-Dec-08	111.06		6.67		104.39					
MW-6	5-Jan-09	111.06		7.06		104.00					
MW-6	6-Jan-09	111.06					<0.001	<0.001	<0.001	<0.003	<0.001
MW-6	1-Sep-09	111.06		7.27		103.79					
MW-6	22-Jun-10	111.06		7.13		103.93					
MW-7	29-Nov-90		7.39	7.69	0.30						
MW-7	21-Apr-05						Well destroyed				
MW-8S	1-Apr-91	86.88		6.61		80.27	<0.005	<0.005	<0.005	<0.01	
MW-8S	27-Jan-92						<0.002	<0.003	<0.002	<0.01	
MW-8S	24-Aug-92						<0.002	<0.003	<0.002	<0.007	
MW-8S	17-Jun-93	98.29		7.56		90.73	<0.001	<0.001	<0.001	<0.001	
MW-8S	11-Nov-93	98.29		7.58		90.71	<0.001	<0.001	<0.001	<0.001	
MW-8S	27-Jun-94	98.29		7.46		90.83	<0.001	<0.001	<0.001	<0.003	
MW-8S	16-Feb-95	98.29		7.43		90.86	<0.002	<0.002	<0.002	<0.005	
MW-8S	28-Jul-95	98.29		7.14		91.15	<0.0034	<0.002	<0.002	<0.005	
MW-8S	22-Mar-96	98.29		7.73		90.56	<0.002	<0.002	<0.002	<0.005	
MW-8S	17-Jun-96	98.29		6.46		91.83	<0.002	<0.002	<0.002	<0.005	
MW-8S	25-Sep-96	98.29		7.49		90.80	<0.002	<0.002	<0.002	<0.005	
MW-8S	24-Apr-97	98.29		6.94		91.35	<0.002	<0.002	<0.002	<0.005	
MW-8S	17-Jun-97	98.29		6.86		91.43	<0.002	<0.002	<0.002	<0.005	
MW-8S	27-Aug-97	98.29		7.26		91.03	<0.002	<0.002	<0.002	<0.005	
MW-8S	5-Nov-97	110.89		7.62		103.27	<0.001	<0.001	<0.001	<0.003	
MW-8S	27-Feb-98	110.89		7.50		103.39	<0.001	<0.001	<0.001	<0.003	
MW-8S	10-Jun-98	110.89		6.95		103.94	<0.001	<0.001	<0.001	<0.001	
MW-8S	8-Oct-98	110.89		7.19		103.70	<0.001	<0.001	<0.001	<0.003	
MW-8S	31-Mar-99	110.89		7.12		103.77	<0.001	<0.001	<0.001	<0.003	
MW-8S	9-Jun-99	110.89		7.00		103.89	<0.001	<0.001	<0.001	<0.003	
MW-8S	2-Sep-99	110.89		7.61		103.28	<0.001	<0.001	<0.001	<0.002	
MW-8S	28-Oct-99	110.89		7.56		103.33	<0.001	<0.001	<0.;001	<0.002	
MW-8S	23-Feb-00	110.89		7.48		103.41	<0.001	0.0024	<0.001	<0.0041	
MW-8S	24-May-00	110.89		6.77		104.12	<0.001	<0.001	<0.001	<0.003	
MW-8S	15-Aug-00	110.89		7.62		103.27	<0.001	<0.001	<0.001	<0.003	
MW-8S	9-Nov-00	110.89		7.20		103.69	<0.001	<0.001	<0.001	<0.003	
MW-8S	11-Oct-01	110.89		7.26		103.63	<0.001	<0.001	<0.001	<0.003	
MW-8S	14-Mar-02	110.89		6.91		103.98	<0.001	<0.001	<0.001	<0.003	
MW-8S	6-Jun-02	110.89		6.71		104.18	<0.001	<0.001	<0.001	<0.003	
MW-8S	30-Aug-02	110.89		7.18		103.71	<0.001	<0.001	<0.001	<0.003	
MW-8S	6-Dec-02	110.89		7.64		103.25	<0.001	<0.001	<0.001	<0.003	
MW-8S	6-May-04	110.89		7.39		103.50	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	21-Apr-05	110.89		7.22		103.67					
MW-8S	22-Apr-05	110.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	5-Jan-09	110.89		6.97		103.92					
MW-8S	6-Jan-09	110.89		7.00		103.89	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8S	1-Sep-09	110.89		7.22		103.67					
MW-8D	1-Apr-91	86.96		6.77		80.19	<0.005	<0.005	<0.005	<0.01	
MW-8D	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-8D	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-8D	11-Nov-93	98.31		7.50		90.81	<0.001	<0.001	<0.001	<0.001	

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-8D	27-Jun-94	98.31		7.94		90.37	<0.001	<0.001	<0.001	<0.003	
MW-8D	16-Feb-95	98.31		7.80		90.51	<0.002	0.0039	<0.002	<0.005	
MW-8D	28-Jul-95	98.31		7.65		90.66	0.0023	<0.002	<0.002	0.0054	
MW-8D	22-Mar-96	98.31		8.06		90.25	<0.002	<0.002	<0.002	<0.005	
MW-8D	17-Jun-96	98.31		6.81		91.50	<0.002	<0.002	<0.002	<0.005	
MW-8D	25-Sep-96	98.31		7.55		90.76	<0.002	<0.002	<0.002	<0.005	
MW-8D	24-Apr-97	98.31		7.33		90.98	<0.002	<0.002	<0.002	<0.005	
MW-8D	17-Jun-97	98.31		7.32		90.99	<0.002	<0.002	<0.002	<0.005	
MW-8D	27-Aug-97	98.31		7.85		90.46	<0.002	<0.002	<0.002	<0.005	
MW-8D	5-Nov-97	111.03		8.06		102.97	<0.001	<0.001	<0.001	<0.003	
MW-8D	27-Feb-98	111.03		7.00		104.03	<0.001	<0.001	<0.001	<0.003	
MW-8D	10-Jun-98	111.03		7.36		103.67	<0.001	<0.001	<0.001	<0.003	
MW-8D	8-Oct-98	111.03		7.67		103.36	<0.001	<0.001	<0.001	<0.003	
MW-8D	31-Mar-99	111.03		7.40		103.63	<0.001	<0.001	<0.001	<0.003	
MW-8D	9-Jun-99	111.03		7.10		103.93	<0.001	<0.001	<0.001	<0.003	
MW-8D	2-Sep-99	111.03		8.02		103.01	<0.001	<0.001	<0.001	<0.002	
MW-8D	28-Oct-99	111.03		7.95		103.08	<0.001	<0.001	<0.001	<0.002	
MW-8D	23-Feb-00	111.03		7.92		103.11	<0.001	<0.001	<0.001	<0.003	
MW-8D	24-May-00	111.03		7.01		104.02	<0.001	<0.001	<0.001	<0.003	
MW-8D	15-Aug-00	111.03		7.62		103.41	<0.001	<0.001	<0.001	<0.003	
MW-8D	9-Nov-00	111.03		7.72		103.31	<0.001	<0.005	<0.001	<0.003	
MW-8D	11-Oct-01	111.03		7.67		103.36	<0.001	<0.001	<0.001	<0.003	
MW-8D	14-Mar-02	111.03		7.28		103.75	<0.001	<0.001	<0.001	<0.003	
MW-8D	6-Jun-02	111.03		7.04		103.99	<0.001	<0.001	<0.001	<0.003	
MW-8D	30-Aug-02	111.03		7.51		103.52	<0.001	<0.001	<0.001	<0.003	
MW-8D	6-Dec-02	111.03		8.00		103.03	<0.001	<0.001	<0.001	<0.003	
MW-8D	6-May-04	111.03		7.70		103.33	<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	21-Apr-05	111.03		7.53		103.50					
MW-8D	22-Apr-05	111.03					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	5-Jan-09	111.03		7.14		103.89					
MW-8D	6-Jan-09	111.03					<0.001	<0.001	<0.001	<0.003	<0.001
MW-8D	1-Sep-09	111.03		7.43		103.60					
MW-9S	1-Apr-91	86.00		6.12		79.88	<0.005	<0.005	<0.005	<0.01	
MW-9S	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-9S	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-9S	19-Jan-93						BDL	BDL	BDL	BDL	
MW-9S	17-Jun-93	97.42		6.79		90.63	<0.001	<0.001	<0.001	<0.001	
MW-9S	11-Nov-93	97.42		7.04		90.38	<0.001	<0.001	<0.001	<0.001	
MW-9S	27-Jun-94	97.42		7.03		90.39	<0.001	<0.001	<0.001	<0.003	
MW-9S	16-Feb-95	97.42		7.04		90.38	<0.002	<0.002	<0.002	<0.005	
MW-9S	28-Jul-95	97.42		6.82		90.60	<0.002	<0.002	<0.002	<0.005	
MW-9S	22-Mar-96	97.42		7.32		90.10	<0.002	<0.002	<0.002	<0.005	
MW-9S	17-Jun-96	97.42		6.35		91.07	<0.002	<0.002	<0.002	<0.005	
MW-9S	25-Sep-96	97.42		7.10		90.32	<0.002	<0.002	<0.002	<0.005	
MW-9S	24-Apr-97	97.42		6.72		90.70	<0.002	<0.002	<0.002	<0.005	
MW-9S	17-Jun-97	97.42		6.74		90.68	<0.002	<0.002	<0.002	<0.005	
MW-9S	27-Aug-97	97.42		6.90		90.52	<0.002	<0.002	<0.001	<0.005	
MW-9S	5-Nov-97	110.16		7.21		102.95	<0.001	<0.001	<0.001	<0.003	
MW-9S	27-Feb-98	110.16		6.86		103.30	<0.001	<0.001	<0.001	<0.003	
MW-9S	10-Jun-98	110.16		6.67		103.49	<0.001	<0.001	<0.001	<0.003	
MW-9S	8-Oct-98	110.16		6.83		103.33	<0.001	<0.001	<0.001	<0.003	
MW-9S	31-Mar-99	110.16		6.90		103.26	<0.001	<0.001	<0.001	<0.003	
MW-9S	9-Jun-99	110.16		6.76		103.40	<0.001	<0.001	<0.001	<0.003	
MW-9S	2-Sep-99	110.16		7.26		102.90	<0.001	<0.001	<0.001	<0.003	
MW-9S	28-Oct-99	110.16		7.20		102.96	<0.001	<0.001	<0.001	<0.003	
MW-9S	23-Feb-00	110.16		7.90		102.26	<0.001	<0.001	<0.001	<0.003	
MW-9S	24-May-00	110.16		6.64		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9S	15-Aug-00	110.16		6.93		103.23	<0.001	<0.001	<0.001	<0.003	
MW-9S	9-Nov-00	110.16		6.75		103.41	<0.001	<0.005	<0.001	<0.003	
MW-9S	11-Oct-01	110.16		6.96		103.20	<0.001	<0.001	<0.001	<0.003	
MW-9S	14-Mar-02	110.16		6.73		103.43	<0.001	<0.001	<0.001	<0.003	
MW-9S	6-Jun-02	110.96		6.52		104.44	<0.001	<0.001	<0.001	<0.003	
MW-9S	30-Aug-02	110.96		6.92		104.04	<0.001	<0.001	<0.001	<0.003	
MW-9S	6-Dec-02	110.96		7.27		103.69	<0.001	<0.001	<0.001	<0.003	

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-9S	6-May-04	110.96		7.12		103.84	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9S	21-Apr-05	110.96		6.95		104.01					
MW-9S	22-Apr-05	110.96					<0.001	<0.001	<0.001	<0.003	<0.001
MW-9S	6-Jan-09	110.96					Obstruction in well, not able to gauge or collect samples				
MW-9S	1-Sep-09	110.96		6.96		104.00					
MW-9D	1-Apr-91	86.06		6.26		79.80	<0.005	<0.005	<0.005	<0.01	
MW-9D	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-9D	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-9D	19-Jan-93										
MW-9D	17-Jun-93										
MW-9D	11-Nov-93	97.48		7.13		90.35	<0.001	<0.001	<0.001	<0.001	
MW-9D	27-Jun-94	97.48		7.13		90.35	<0.001	<0.001	<0.001	<0.003	
MW-9D	16-Feb-95	97.48		7.15		90.33	<0.002	<0.002	<0.002	<0.005	
MW-9D	28-Jul-95	97.48		6.92		90.56	<0.002	<0.002	<0.002	<0.005	
MW-9D	22-Mar-96	97.48		7.42		90.06	<0.002	<0.002	<0.002	<0.005	
MW-9D	17-Jun-96	97.48		6.44		91.04	<0.002	<0.002	<0.002	<0.005	
MW-9D	25-Sep-96	97.48		7.19		90.29	<0.002	<0.002	<0.002	<0.005	
MW-9D	24-Apr-97	97.48		6.84		90.64	<0.002	<0.002	<0.002	<0.005	
MW-9D	17-Jun-97	97.48		6.79		90.69	<0.002	<0.002	<0.002	<0.005	
MW-9D	27-Aug-97	97.48		7.02		90.46	<0.002	<0.002	<0.002	<0.005	
MW-9D	5-Nov-97	110.26		7.32		102.94	<0.001	<0.001	<0.001	<0.003	
MW-9D	27-Feb-98	110.26		6.74		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9D	10-Jun-98	110.26		6.79		103.47	<0.001	<0.001	<0.001	<0.003	
MW-9D	8-Oct-98	110.26		6.93		103.33	<0.001	<0.001	<0.001	<0.003	
MW-9D	31-Mar-99	110.26		7.01		103.25	<0.001	<0.001	<0.001	<0.003	
MW-9D	9-Jun-99	110.26		6.87		103.39	<0.001	<0.001	<0.001	<0.003	
MW-9D	2-Sep-99	110.26		7.41		102.85	<0.001	<0.001	<0.001	<0.003	
MW-9D	28-Oct-99	110.26		7.31		102.95	<0.001	<0.001	<0.001	<0.003	
MW-9D	23-Feb-00	110.26		7.10		103.16	<0.001	<0.001	<0.001	<0.003	
MW-9D	24-May-00	110.26		6.74		103.52	<0.001	<0.001	<0.001	<0.003	
MW-9D	15-Aug-00	110.26		7.07		103.19	<0.001	<0.001	<0.001	<0.003	
MW-9D	9-Nov-00	110.26		6.90		103.36	<0.001	<0.001	<0.001	<0.003	
MW-9D	11-Oct-01	110.26		7.05		103.21	<0.001	<0.001	<0.001	<0.003	
MW-9D	14-Mar-02	110.26		6.83		103.43	<0.001	<0.001	<0.001	<0.003	
MW-9D	6-Jun-02	110.26		6.62		103.64	<0.001	<0.001	<0.001	<0.003	
MW-9D	30-Aug-02	110.26		7.04		103.22	<0.001	<0.001	<0.001	<0.003	
MW-9D	6-Dec-02	110.26		7.38		102.88	<0.001	<0.001	<0.001	<0.003	
MW-9D	6-May-04	110.26		7.21		103.05	<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	21-Apr-05	110.26		7.04		103.22					
MW-9D	22-Apr-05	110.26					<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	5-Jan-09	110.26		6.91		103.35					
MW-9D	6-Jan-09	110.26					<0.001	<0.001	<0.001	<0.003	<0.001
MW-9D	1-Sep-09	110.26		7.05		103.21					
MW-10S	1-Apr-91	85.93		5.28		80.65	<0.005	<0.005	<0.005	<0.010	
MW-10S	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-10S	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-10S	19-Jan-93						BDL	BDL	BDL	BDL	
MW-10S	17-Jun-93	96.38		5.91		90.47	<0.001	<0.001	<0.001	<0.001	
MW-10S	11-Nov-93	96.38		6.12		90.26	<0.001	<0.001	<0.001	<0.001	
MW-10S	27-Jun-94	96.38		6.11		90.27	<0.001	<0.001	<0.001	<0.003	
MW-10S	16-Feb-95	96.38		6.08		90.30	<0.002	<0.002	<0.002	<0.005	
MW-10S	28-Jul-95	96.38		5.84		90.54	<0.002	<0.002	<0.002	<0.005	
MW-10S	22-Mar-96	96.38		6.33		90.05	<0.002	<0.002	<0.002	<0.005	
MW-10S	17-Jun-96	96.38		5.26		91.12	<0.002	<0.002	<0.002	<0.005	
MW-10S	25-Sep-96	96.38		6.09		90.29	<0.002	<0.002	<0.002	<0.005	
MW-10S	24-Apr-97	96.38		5.73		90.65	<0.002	<0.002	<0.002	<0.005	
MW-10S	17-Jun-97	96.38		5.64		90.74	<0.002	<0.002	<0.002	<0.005	
MW-10S	27-Aug-97	96.38		5.90		90.48	**0.0126**	<0.002	<0.002	<0.005	
MW-10S	5-Nov-97	108.99		6.19		102.80	<0.001	<0.001	<0.001	<0.003	
MW-10S	27-Feb-98	108.99		5.77		103.22	<0.001	<0.001	<0.001	<0.003	
MW-10S	10-Jun-98	108.99		5.66		103.33	<0.001	<0.001	<0.001	<0.003	
MW-10S	8-Oct-98	108.99		5.83		103.16	<0.001	<0.001	<0.001	<0.003	
MW-10S	31-Mar-99	108.99		5.95		103.04	<0.001	<0.001	<0.001	<0.003	
MW-10S	9-Jun-99	108.99		5.76		103.23	<0.001	<0.001	<0.001	<0.003	

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-10S	2-Sep-99	108.99		6.21		102.78	<0.001	<0.001	<0.001	<0.003	
MW-10S	28-Oct-99	108.99		6.30		102.69	<0.001	<0.001	<0.001	<0.003	
MW-10S	23-Feb-00	108.99		6.06		102.93	<0.001	<0.001	<0.001	<0.003	
MW-10S	24-May-00	108.99		5.68		103.31	<0.001	<0.001	<0.001	<0.003	
MW-10S	15-Aug-00	108.99		5.94		103.05	<0.001	<0.001	<0.001	<0.003	
MW-10S	9-Nov-00	108.99		5.90		103.09	<0.001	<0.005	<0.001	<0.003	
MW-10S	11-Oct-01	108.99		5.94		103.05	<0.001	<0.001	<0.001	<0.003	
MW-10S	14-Mar-02	108.99		5.79		103.20	<0.001	<0.001	<0.001	<0.003	
MW-10S	6-Jun-02	108.99		5.55		103.44	<0.001	<0.001	<0.001	<0.003	
MW-10S	30-Aug-02	108.99		5.91		103.08	<0.001	<0.001	<0.001	<0.003	
MW-10S	6-Dec-02	108.99		6.24		102.75	<0.001	<0.001	<0.001	<0.003	
MW-10S	6-May-04	108.99		6.15		102.84	<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	21-Apr-05	108.99		5.97		103.02					
MW-10S	22-Apr-05	108.99					<0.001	<0.001	<0.001	<0.003	<0.001
MW-10S	5-Jan-09	108.99		5.69		103.30					
MW-10S	6-Jan-09	108.99					<0.001	<0.001	<0.001	<0.003	<0.001
MW-10D	1-Apr-91	85.06		5.62		79.44	<0.005	<0.005	<0.005	<0.010	
MW-10D	27-Jan-92						0.005	<0.002	<0.002	<0.005	
MW-10D	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-10D	11-Nov-93	96.31		6.21		90.10	<0.001	<0.001	<0.001	<0.001	
MW-10D	27-Jun-94	96.31		6.23		90.08	<0.001	<0.001	<0.001	<0.003	
MW-10D	16-Feb-95	96.31		6.15		90.16	<0.002	<0.002	<0.002	<0.005	
MW-10D	28-Jul-95	96.31		5.90		90.41	<0.002	<0.002	<0.002	<0.005	
MW-10D	22-Mar-96	96.31		6.42		89.89	<0.002	<0.002	<0.002	<0.005	
MW-10D	17-Jun-96	96.31		5.27		91.04	<0.002	<0.002	<0.002	<0.005	
MW-10D	25-Sep-96	96.31		6.17		90.14	<0.002	<0.002	<0.002	<0.005	
MW-10D	24-Apr-97	96.31		5.77		90.54	<0.002	<0.002	<0.002	<0.005	
MW-10D	17-Jun-97	96.31		5.74		90.57	<0.002	<0.002	<0.002	<0.005	
MW-10D	27-Aug-97	96.31		6.83		89.48	<0.002	<0.002	<0.002	<0.005	
MW-10D	5-Nov-97	108.93		6.13		102.80	<0.001	<0.001	<0.001	<0.003	
MW-10D	27-Feb-98	108.93		5.71		103.22	<0.001	<0.001	<0.001	<0.003	
MW-10D	10-Jun-98	108.93		5.61		103.32	<0.001	<0.001	<0.001	<0.003	
MW-10D	8-Oct-98	108.93		6.79		102.14	<0.001	<0.001	<0.001	<0.003	
MW-10D	31-Mar-99	108.93		5.90		103.03	<0.001	<0.001	<0.001	<0.003	
MW-10D	9-Jun-99	108.93		5.81		103.12	<0.001	<0.001	<0.001	<0.003	
MW-10D	2-Sep-99	108.93		6.18		102.75	<0.001	<0.001	<0.001	<0.003	
MW-10D	28-Oct-99	108.93		6.18		102.75	<0.001	<0.001	<0.001	<0.003	
MW-10D	23-Feb-00	108.93		6.10		102.83	<0.001	<0.001	<0.001	<0.003	
MW-10D	24-May-00	108.93		5.55		103.38	<0.001	<0.001	<0.001	<0.003	
MW-10D	15-Aug-00	108.93		5.91		103.02	<0.001	<0.001	<0.001	<0.003	
MW-10D	9-Nov-00	108.93		5.80		103.13	<0.001	<0.005	<0.001	<0.003	
MW-10D	11-Oct-01	108.93		5.90		103.03	<0.001	<0.001	<0.001	<0.003	
MW-10D	14-Mar-02	108.93		5.74		103.19	<0.001	<0.001	<0.001	<0.003	
MW-10D	6-Jun-02	108.93		5.52		103.41	<0.001	<0.001	<0.001	<0.003	
MW-10D	30-Aug-02	108.93		5.85		103.08	<0.001	<0.001	<0.001	<0.003	
MW-10D	6-Dec-02	108.93		6.22		102.71	<0.001	<0.001	<0.001	<0.003	
MW-10D	6-May-04	108.93		6.09		102.84	<0.001	<0.001	<0.001	<0.003	0.0055
MW-10D	21-Apr-05	108.93		5.94		102.99					
MW-10D	22-Apr-05	108.93					<0.001	<0.001	<0.001	<0.003	0.0041
MW-10D	5-Jan-09	108.93		5.62		103.31					
MW-10D	6-Jan-09	108.93					<0.001	<0.001	<0.001	<0.003	<0.001
MW-11S	1-Apr-91	85.82		5.52		80.30	0.15	<0.005	<0.005	0.011	
MW-11S	27-Jan-92						3.6	0.021	0.18	4.491	
MW-11S	24-Aug-92						0.006	0.029	0.006	0.81	
MW-11S	19-Jan-93						1.3	0.007	0.03	0.1	
MW-11S	17-Jun-93	96.99		6.01		90.98	0.14	<0.001	<0.001	<0.001	
MW-11S	11-Nov-93	96.99		6.80		90.19	1.35	<0.001	<0.001	<0.001	
MW-11S	27-Jun-94	96.99		6.84		90.15	0.785	0.0094	0.173	0.282	
MW-11S	16-Feb-95	96.99		6.53		90.46	1.55	0.0248	0.163	0.239	
MW-11S	28-Jul-95	96.99		6.42		90.57	0.954	0.0545	0.316	0.29	
MW-11S	17-Jun-96	96.99		4.43		92.56	<0.002	<0.002	<0.002	<0.005	
MW-11S	25-Sep-96	96.99		6.77		90.22	1.76	0.0443	0.519	1.22	
MW-11S	24-Apr-97	96.99		6.12		90.87	0.384	0.0087	0.134	2.1	
MW-11S	17-Jun-97	96.99		6.11		90.88	3.94	1.02	0.734	2.06	

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-11S	27-Aug-97	96.99		6.58		90.41	1.79	0.586	0.657	1.2	
MW-11S	5-Nov-97	109.54		6.85		102.69	1	0.05	0.37	0.023	
MW-11S	27-Feb-98	109.54		6.58		102.96	0.19	<0.005	0.033	0.11	
MW-11S	10-Jun-98	109.54		6.29		103.25	0.8	0.014	0.12	<0.001	
MW-11S	8-Oct-98	109.54		6.49		103.05	0.91	0.03	0.4	0.76	
MW-11S	31-Mar-99	109.54		6.42		103.12	0.28	<0.002	0.04	0.012/<0.002	
MW-11S	9-Jun-99	109.54		6.40		103.14	3.7	6.7	0.73	2.77	
MW-11S	2-Sep-99	109.54		7.16		102.38	1.4	0.029	0.43	1.34	
MW-11S	28-Oct-99	109.54		6.84		102.70	0.78	0.038	0.31	0.889	
MW-11S	23-Feb-00	109.54		6.25		103.29	0.0028	<0.001	<0.001	<0.003	
MW-11S	24-May-00	109.54		6.05		103.49	0.018	<0.001	0.0011	<0.003	
MW-11S	15-Aug-00	109.54		6.62		102.92	1.3	0.051	0.42	1.116	
MW-11S	9-Nov-00	109.54		6.35		103.19	0.37	<0.025	0.03	0.097/<0.005	
MW-11S	11-Oct-01	109.54		6.56		102.98	0.78	<0.021	0.44	0.95/<0.01	
MW-11S	14-Mar-02	109.54		5.89		103.65	0.024	<0.001	<0.001	<0.003	
MW-11S	6-Jun-02	109.54		5.43		104.11	0.073	0.0036	0.012	0.0077/<0.001	
MW-11S	30-Aug-02	109.54		6.52		103.02	1.2	0.051	0.55	0.86/<0.01	
MW-11S	6-Dec-02	109.54		6.88		102.66	2.1	0.045	0.67	0.26/<0.02	
MW-11S	6-May-04	109.54		6.59		102.95	0.059	<0.001	<0.001	<0.003	<0.001
MW-11S	21-Apr-05	109.54		6.38		103.16	0.012	<0.001	<0.001	<0.003	<0.001
MW-11S	6-Jan-09	109.54		5.65		103.89	<0.001	<0.001	<0.001	<0.003	<0.001
MW-11S	1-Sep-09	109.54		6.45		103.09					
MW-11D	1-Apr-91	85.90		6.57		79.33	<0.005	<0.005	<0.005	<0.01	
MW-11D	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-11D	24-Aug-92						<0.004	<0.002	<0.002	<0.005	
MW-11D	11-Nov-93	97.02		6.81		90.21	<0.001	<0.001	<0.001	<0.001	
MW-11D	27-Jun-94	97.02		6.95		90.07	0.248	0.0028	0.0637	0.135	
MW-11D	16-Feb-95	97.02		6.70		90.32	0.433	0.0058	0.0407	0.0446	
MW-11D	28-Jul-95	97.02		6.49		90.53	0.94	0.0386	0.219	0.215	
MW-11D	22-Mar-96	97.02		7.07		89.95	0.424	0.0075	0.0467	0.0191	
MW-11D	17-Jun-96	97.02		6.12		90.90	0.0482	<0.002	<0.002	<0.005	
MW-11D	25-Sep-96	97.02		6.89		90.13	0.392	0.0077	0.104	0.204	
MW-11D	24-Apr-97	97.02		6.31		90.71	0.339	0.131	0.0807	0.184	
MW-11D	17-Jun-97	97.02		6.32		90.70	1.56	0.368	0.278	0.956	
MW-11D	27-Aug-97	97.02		7.84		89.18	0.311	0.0167	0.0837	0.224	
MW-11D	5-Nov-97	109.58		7.13		102.45	0.17	0.0045	0.09	0.29	
MW-11D	27-Feb-98	109.58		6.23		103.35	0.024	<0.001	<0.001	<0.003	
MW-11D	10-Jun-98	109.58		6.52		103.06	0.02	<0.001	<0.001	<0.003	
MW-11D	8-Oct-98	109.58		6.76		102.82	0.12	0.004	0.038	0.044	
MW-11D	31-Mar-99	109.58		6.90		102.68	0.0034	<0.001	<0.001	<0.003	
MW-11D	9-Jun-99	109.58		6.64		102.94	0.75	1.4	0.14	0.53	
MW-11D	2-Sep-99	109.58		7.22		102.36	0.082	0.0048	0.037	0.1225	
MW-11D	28-Oct-99	109.58		7.10		102.48	0.077	0.0023	0.035	0.1	
MW-11D	23-Feb-00	109.58		6.91		102.67	0.16	0.0012	0.0098	0.1	
MW-11D	24-May-00	109.58		6.49		103.09	0.0011	<0.001	<0.001	<0.003	
MW-11D	15-Aug-00	109.58		7.04		102.54	0.014	<0.001	0.0053	0.011	
MW-11D	9-Nov-00	109.58		6.95		102.63	0.26	<0.012	0.027	0.059	
MW-11D	11-Oct-01	109.58		6.83		102.75	0.017	<0.001	0.0035	<0.003	
MW-11D	14-Mar-02	109.58		6.42		103.16	<0.001	<0.001	<0.001	<0.003	
MW-11D	6-Jun-02	109.58		6.33		103.25	<0.001	<0.001	<0.001	<0.003	
MW-11D	30-Aug-02	109.58		6.74		102.84	0.035	<0.001	0.0012	<0.003	
MW-11D	6-Dec-02	109.58		7.09		102.49	0.001	<0.001	<0.001	<0.003	
MW-11D	6-May-04	109.58		6.80		102.78	0.008	<0.001	<0.001	<0.003	0.0025
MW-11D	21-Apr-05	109.58		6.63		102.95	<0.001	<0.001	<0.001	<0.003	<0.001
MW-11D	6-Jan-09	109.58		6.26		103.32	<0.001	<0.001	<0.001	<0.003	0.0017
MW-11D	1-Sep-09	109.58		6.47		103.11					
MW-12S	1-Apr-91	81.23		2.21		79.02	1.8	0.14	0.11	0.4	
MW-12S	27-Jan-92						0.041	0.002	0.013	0.054	
MW-12S	24-Aug-92						0.2	0.002	0.004	0.005	
MW-12S	19-Jan-93						BDL	BDL	BDL	BDL	
MW-12S	17-Jun-93	92.64		2.60		90.04	0.003	<0.001	<0.001	<0.001	
MW-12S	11-Nov-93	92.64		2.45		90.19	<0.001	<0.001	<0.001	<0.001	
MW-12S	27-Jun-94	92.64		2.52		90.12	0.137	<0.001	<0.001	<0.003	
MW-12S	16-Feb-95	92.64		2.25		90.39	0.0902	<0.002	<0.002	<0.005	

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-12S	28-Jul-95	92.64		2.10		90.54	**0.0137**	<0.002	<0.002	<0.005	
MW-12S	22-Mar-96	92.64		2.62		90.02	<0.002	<0.002	<0.002	<0.005	
MW-12S	17-Jun-96	92.64		1.50		91.14	<0.002	<0.002	<0.002	<0.005	
MW-12S	25-Sep-96	92.64		2.36		90.28	<0.002	<0.002	<0.002	<0.005	
MW-12S	24-Apr-97	92.64		1.89		90.75	<0.002	<0.002	<0.002	<0.005	
MW-12S	17-Jun-97	92.64		1.76		90.88	<0.002	<0.002	<0.002	<0.005	
MW-12S	27-Aug-97	92.64		2.24		90.40	<0.002	<0.002	<0.002	<0.005	
MW-12S	5-Nov-97	105.19		2.50		102.69	0.0026	<0.001	<0.001	<0.003	
MW-12S	27-Feb-98	105.19		2.56		102.63	<0.001	<0.001	<0.001	<0.003	
MW-12S	10-Jun-98	105.19		1.90		103.29	<0.001	<0.001	<0.001	<0.003	
MW-12S	8-Oct-98	105.19		2.17		103.02	<0.001	<0.001	<0.001	<0.003	
MW-12S	31-Mar-99	105.19		2.29		102.90	<0.001	<0.001	<0.001	<0.003	
MW-12S	9-Jun-99	105.19		2.13		103.06	**0.07**	<0.001	<0.001	<0.003	
MW-12S	2-Sep-99	105.19		3.75		101.44	<0.001	<0.001	<0.001	<0.002	
MW-12S	28-Oct-99	105.19		2.58		102.61	**0.16**	0.0045	0.0043	0.005	
MW-12S	23-Feb-00	105.19		2.33		102.86	**0.054**	0.0021	0.011	0.012	
MW-12S	24-May-00	105.19		1.92		103.27	**0.13**	0.0034	0.015	0.017	
MW-12S	15-Aug-00	105.19		2.23		102.96	**0.24**	0.016	0.053	0.059	
MW-12S	9-Nov-00	105.19		2.15		103.04	**0.27**	0.037	0.12	0.2133	
MW-12S	11-Oct-01	105.19		2.32		102.87	**0.11**	0.013	0.12	0.1224	
MW-12S	14-Mar-02	105.19		1.98		103.21	**0.18**	0.0075	0.041	0.121	
MW-12S	6-Jun-02	105.19		1.80		103.39	**0.18**	0.023	0.042	0.0061	
MW-12S	30-Aug-02	105.19		2.20		102.99	**0.2**	0.027	0.077	0.1817	
MW-12S	6-Dec-02	105.19		2.58		102.61	**0.051**	0.006	0.017	0.079	
MW-12S	6-May-04	105.19		2.40		102.79	**0.043**	0.0035	<0.001	0.022	0.0012
MW-12S	21-Apr-05	105.19		2.20		102.99	**0.027**	0.0014	<0.001	0.0097	0.0021
MW-12S	29-Dec-08	105.19		1.00		104.19					
MW-12S	5-Jan-09	105.19		1.84		103.35					
MW-12S	6-Jan-09	105.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-12S	1-Sep-09	105.19		2.16		103.03					
MW-12D	1-Apr-91	81.36		2.21		79.15	**0.074**	<0.005	<0.005	<0.01	
MW-12D	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-12D	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-12D	11-Nov-93	92.79		2.57		90.22	<0.001	<0.001	<0.001	<0.001	
MW-12D	27-Jun-94	92.79		3.38		89.41	<0.001	<0.001	<0.001	<0.003	
MW-12D	16-Feb-95	92.79		2.85		89.94	<0.002	<0.002	<0.002	<0.005	
MW-12D	28-Jul-95	92.79		2.60		90.19	<0.002	<0.002	<0.002	<0.005	
MW-12D	22-Mar-96	92.79		3.15		89.64	<0.002	<0.002	<0.002	<0.005	
MW-12D	17-Jun-96	92.79		2.08		90.71	<0.002	<0.002	<0.002	<0.005	
MW-12D	25-Sep-96	92.79		2.93		89.86	<0.002	<0.002	<0.002	<0.005	
MW-12D	24-Apr-97	92.79		2.30		90.49	<0.002	<0.002	<0.002	<0.005	
MW-12D	17-Jun-97	92.79		2.29		90.50	<0.002	<0.002	<0.002	<0.005	
MW-12D	27-Aug-97	92.79		2.75		90.04	<0.002	<0.002	<0.002	<0.005	
MW-12D	5-Nov-97	105.34		3.13		102.21	<0.001	<0.001	<0.001	<0.003	
MW-12D	27-Feb-98	105.34		1.97		103.37	<0.001	<0.001	<0.001	<0.003	
MW-12D	10-Jun-98	105.34		2.47		102.87	<0.001	<0.001	<0.001	<0.003	
MW-12D	8-Oct-98	105.34		2.86		102.48	<0.001	<0.001	<0.001	<0.003	
MW-12D	31-Mar-99	105.34		2.77		102.57	<0.001	<0.001	<0.001	<0.003	
MW-12D	9-Jun-99	105.34		2.68		102.66	<0.001	<0.001	<0.001	<0.003	
MW-12D	2-Sep-99	105.34		3.31		102.03	<0.001	<0.001	<0.001	<0.002	
MW-12D	28-Oct-99	105.34		3.20		102.14	<0.001	<0.001	<0.001	<0.002	
MW-12D	23-Feb-00	105.34		3.00		102.34	<0.001	<0.001	<0.001	<0.003	
MW-12D	24-May-00	105.34		2.49		102.85	<0.001	<0.001	<0.001	<0.003	
MW-12D	15-Aug-00	105.34		2.82		102.52	<0.001	<0.001	<0.001	<0.003	
MW-12D	9-Nov-00	105.34		2.75		102.59	<0.001	<0.001	<0.001	<0.003	
MW-12D	11-Oct-01	105.34		2.82		102.52	<0.001	<0.001	<0.001	<0.003	
MW-12D	14-Mar-02	105.34		2.50		102.84	<0.001	<0.001	<0.001	<0.003	
MW-12D	6-Jun-02	105.34		2.34		103.00	<0.001	<0.001	<0.001	<0.003	
MW-12D	30-Aug-02	105.34		2.81		102.53	<0.001	<0.001	<0.001	<0.003	
MW-12D	6-Dec-02	105.34		3.20		102.14	<0.001	<0.001	<0.001	<0.003	
MW-12D	6-May-04	105.34		2.96		102.38	<0.001	<0.001	<0.001	<0.003	<0.001
MW-12D	21-Apr-05	105.34		3.73		101.61	<0.001	<0.001	<0.001	<0.03	<0.001
MW-12D	5-Jan-09	105.34		2.31		103.03					
MW-12D	6-Jan-09	105.34					<0.001	<0.001	<0.001	<0.003	<0.001

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-12D	1-Sep-09	105.34		2.58		102.76					
MW-13	1-Apr-91	85.19		5.24		79.95	**2.6**	0.3	0.19	0.56	
MW-13	19-Feb-92						**1.9**	0.01	0.14	0.72	
MW-13	24-Aug-92						**14**	**2.1**	**0.85**	**13**	
MW-13	19-Jan-93						**0.009**	BDL	BDL	0.005	
MW-13	17-Jun-93	96.50		6.00		90.50	<0.001	<0.001	<0.001	<0.001	
MW-13	11-Nov-93	96.50		6.28		90.22	**0.81**	0.054	0.346	4.56	
MW-13	27-Jun-94	96.50		6.29		90.21	**0.142**	0.0037	0.119	0.413	
MW-13	16-Feb-95	96.50		6.20		90.30	**0.0475**	<0.002	0.0202	0.129	
MW-13	28-Jul-95	96.50		6.01		90.49	**0.41**	0.0051	0.56	2.548	
MW-13	22-Mar-96	96.50		6.53		89.97	**0.212**	0.0092	0.0901	0.973	
MW-13	17-Jun-96	96.50		3.78		92.72	<0.002	<0.002	<0.002	<0.005	
MW-13	25-Sep-96	96.50		6.29		90.21	**0.109**	0.0261	**0.911**	9.6	
MW-13	24-Apr-97	96.50		5.80		90.70	<0.002	<0.002	<0.002	<0.005	
MW-13	17-Jun-97	96.50		5.59		90.91	**0.0195**	<0.002	0.0201	0.107	
MW-13	27-Aug-97	96.50		6.17		90.33	**1.4**	0.38	0.361	3.65	
MW-13	5-Nov-97	109.12		6.38		102.74	**0.16**	<0.025	0.67	5.8	
MW-13	27-Feb-98	109.12		5.51		103.61	<0.001	<0.001	<0.001	<0.003	
MW-13	10-Jun-98	109.12		5.78		103.34	**0.38**	<0.025	0.67	3.4	
MW-13	8-Oct-98	109.12		6.02		103.10	**<0.025**	<0.025	0.28	3.5	
MW-13	31-Mar-99	109.12		6.17		102.95	**0.027**	<0.0025	0.11	0.81	
MW-13	9-Jun-99	109.12		6.07		103.05	**0.008**	0.013	0.13	0.903.3	
MW-13	2-Sep-99	109.12		6.64		102.48	**0.23**	<0.025	0.12	0.72	
MW-13	28-Oct-99	109.12		6.45		102.67	**0.2**	<0.01	0.11	0.718	
MW-13	23-Feb-00	109.12		5.50		103.62					
MW-13	24-May-00	109.12		5.91		103.21	**0.0073**	<0.001	0.0019	0.021	
MW-13	15-Aug-00	109.12		6.24		102.88	**0.038**	<0.005	0.3	0.5453	
MW-13	9-Nov-00	109.12		6.08		103.04	<0.001	<0.005	0.0014	<0.003	
MW-13	11-Oct-01	109.12		6.21		102.91	**0.05**	0.0023	0.069	0.0122	
MW-13	14-Mar-02	109.12		5.89		103.23	<0.001	<0.001	<0.001	<0.003	
MW-13	6-Jun-02	109.12		5.06		104.06	**0.0077**	<0.001	0.009	<0.003	
MW-13	30-Aug-02	109.12		6.15		102.97	**0.013**	0.0018	0.03	0.0024	
MW-13	6-Dec-02	109.12		6.53		102.59	**0.044**	<0.01	0.085	<0.03	
MW-13	6-May-04	109.12		6.37		102.75	0.0039	<0.001	0.013	<0.003	<0.001
MW-13	21-Apr-05	109.12		6.27		102.85					
MW-13	22-Apr-05	109.12					**0.0077**	<0.001	0.039	0.013	<0.001
MW-13	29-Dec-08	109.12		5.00		104.12					
MW-13	5-Jan-09	109.12		5.88		103.24					
MW-13	6-Jan-09	109.12					<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-14	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-14	19-Jan-93						BDL	BDL	BDL	BDL	
MW-14	17-Jun-93	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.001	
MW-14	11-Nov-93	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.001	
MW-14	27-Jun-94	89.62		0.00		89.62	<0.001	<0.001	<0.001	<0.003	
MW-14	16-Feb-95	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	28-Jul-95	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	17-Jun-96	89.62		0.03		89.59	<0.002	<0.002	<0.002	<0.005	
MW-14	25-Sep-96	89.62		0.05		89.57	<0.002	<0.002	<0.002	<0.005	
MW-14	24-Apr-97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	17-Jun-97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	27-Aug-97	89.62		0.00		89.62	<0.002	<0.002	<0.002	<0.005	
MW-14	5-Nov-97	99.46		0.79		98.67	<0.001	<0.001	<0.001	<0.003	
MW-14	27-Feb-98	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	10-Jun-98	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	8-Oct-98	99.46		0.09		99.37	<0.001	<0.001	<0.001	<0.003	
MW-14	31-Mar-99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	9-Jun-99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	2-Sep-99	99.46		0.19		99.27	<0.001	<0.001	<0.001	<0.003	
MW-14	28-Oct-99	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	23-Feb-00	99.46		0.00		99.46	<0.001	<0.001	<0.001	<0.003	
MW-14	24-May-00			0.00			<0.001	<0.001	<0.001	<0.003	
MW-14	15-Aug-00			0.00			<0.001	<0.001	<0.001	<0.003	
MW-14	9-Nov-00			0.00			<0.001	<0.001	<0.001	<0.003	

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-14	11-Oct-01	99.16		0.02		99.14	<0.001	<0.001	<0.001	<0.003	
MW-14	14-Mar-02	99.16		0.02		99.14	<0.001	<0.001	<0.001	<0.003	
MW-14	6-Jun-02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	30-Aug-02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	6-Dec-02	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	
MW-14	6-May-04	99.16		0.00		99.16	<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	21-Apr-05	99.16		0.00		99.16					
MW-14	22-Apr-05	99.16					<0.001	<0.001	<0.001	<0.003	<0.001
MW-14	5-Jan-09	99.16		0.30		98.86					
MW-14	6-Jan-09	99.16					<0.001	<0.001	<0.001	<0.003	<0.001
MW-15	27-Jan-92						0.005	<0.002	<0.002	<0.005	
MW-15	24-Aug-92						0.03	<0.002	<0.002	<0.005	
MW-15	19-Jan-93						0.24	BDL	BDL	BDL	
MW-15	17-Jun-93	88.40		0.00		88.40	0.85	<0.001	<0.001	<0.001	
MW-15	11-Nov-93	88.40		0.56		87.84	1.03	<0.001	<0.001	<0.001	
MW-15	27-Jun-94	88.40		0.50		87.90	2.04	<0.001	<0.001	<0.003	
MW-15	16-Feb-95	88.40		0.85		87.55	1.82	<0.002	<0.002	<0.005	
MW-15	28-Jul-95	88.40		0.20		88.20	3.55	<0.002	<0.002	<0.005	
MW-15	22-Mar-96	88.40		0.74		87.66	10.5	<0.002	<0.002	<0.005	
MW-15	17-Jun-96	88.40		0.00		88.40	9.75	<0.002	<0.002	<0.005	
MW-15	25-Sep-96	88.40		0.75		87.65	7.6	<0.002	<0.002	<0.005	
MW-15	24-Apr-97	88.40		0.16		88.24	10.7	0.0084	<0.002	<0.005	
MW-15	17-Jun-97	88.40		0.00		88.40	9.59	0.0381	<0.005	<0.005	
MW-15	27-Aug-97	88.40		0.40		88.00	8.32	<0.05	<0.05	<0.125	
MW-15	5-Nov-97	100.25		0.68		99.57	8.2	<0.05	<0.05	<0.15	
MW-15	27-Feb-98	100.25		0.22		100.03	7.4	<0.1	<0.1	<0.3	
MW-15	10-Jun-98	100.25		0.18		100.07	6.9	<0.1	<0.1	<0.3	
MW-15	8-Oct-98	100.25		0.43		99.82	5.4	<0.05	<0.05	<0.15	
MW-15	31-Mar-99	100.25		1.30		98.95	4.6	<0.025	<0.025	<0.075	
MW-15	9-Jun-99	100.25		1.20		99.05	4.2	0.032	<0.025	<0.075	
MW-15	2-Sep-99	100.25		1.55		98.70	2.9	0.036	0.034	0.079	
MW-15	28-Oct-99	100.25		1.44		98.81	2.5	0.049	0.078	0.165	
MW-15	23-Feb-00	100.25		0.90		99.35	1.2	0.045	0.091	0.2	
MW-15	24-May-00	100.25		0.71		99.54	0.97	0.034	0.11	0.255	
MW-15	15-Aug-00	100.25		0.86		99.39	0.58	0.024	0.12	0.264	
MW-15	9-Nov-00	100.25		0.75		99.50	0.13	0.0074	0.027	0.055	
MW-15	11-Oct-01	100.25		0.84		99.41	0.2	0.012	0.062	0.1125	
MW-15	14-Mar-02	100.25		0.62		99.63	0.21	0.011	0.055	0.0993	
MW-15	6-Jun-02	100.25		0.47		99.78	0.17	0.0055	0.033	0.0688	
MW-15	30-Aug-02	100.25		0.83		99.42	0.22	0.0073	0.04	0.0628	
MW-15	6-Dec-02	100.25		1.11		99.14	0.24	0.0062	0.031	0.0394	
MW-15	6-May-04	100.25		0.95		99.30	0.12	0.004	0.0023	0.0063	<0.001
MW-15	21-Apr-05	100.25		0.79		99.46					
MW-15	22-Apr-05	100.25					0.076	0.0024	<0.001	0.0045	<0.001
MW-15	5-Jan-09	100.25		0.40		99.85					
MW-15	6-Jan-09	100.25					0.0739	0.004	<0.001	0.0135	0.004
MW-16	27-Jan-92						<0.002	<0.002	<0.002	<0.005	
MW-16	24-Aug-92						<0.002	<0.002	<0.002	<0.005	
MW-16	19-Jan-93						BDL	BDL	BDL	BDL	
MW-16	17-Jun-93	91.82		2.23		89.59	<0.001	<0.001	<0.001	<0.001	
MW-16	11-Nov-93	91.82		2.47		89.35	<0.001	<0.001	<0.001	<0.001	
MW-16	27-Jun-94	91.82		2.59		89.23	<0.001	<0.001	<0.001	<0.003	
MW-16	16-Feb-95	91.82		2.60		89.22	0.0103	<0.002	<0.002	<0.005	
MW-16	28-Jul-95	91.82		2.44		89.38	0.182	<0.002	<0.002	<0.005	
MW-16	22-Mar-96	91.82		3.14		88.68	1.83	<0.002	<0.002	<0.005	
MW-16	17-Jun-96	91.82		1.63		90.19	2.08	<0.002	<0.002	<0.005	
MW-16	25-Sep-96	91.82		2.38		89.44	2.19	<0.002	<0.002	<0.005	
MW-16	24-Apr-97	91.82		7.95		83.87	3.53	<0.002	<0.002	<0.005	
MW-16	17-Jun-97	91.82		4.49		87.33	3.6	<0.002	<0.002	<0.005	
MW-16	27-Aug-97	91.82		5.51		86.31	4.17	0.219	<0.05	0.197	
MW-16	5-Nov-97	101.72		7.75		93.97	3.9	<0.025	<0.025	<0.075	
MW-16	27-Feb-98	101.72		6.28		95.44	4.2	<0.050	<0.05	<0.15	
MW-16	10-Jun-98	101.72		2.36		99.36	3.3	<0.050	<0.05	<0.15	
MW-16	8-Oct-98	101.72		2.55		99.17	5.1	<0.025	<0.025	<0.075	

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-16	31-Mar-99	101.72		3.47		98.25	4	<0.025	<0.025	<0.075	
MW-16	9-Jun-99	101.72		3.30		98.42	4.6	<0.050	<0.05	<0.15	
MW-16	2-Sep-99	101.72		3.75		97.97	4.4	<0.050	<0.05	<0.1	
MW-16	28-Oct-99	101.72		3.50		98.22	4.4	<0.020	<0.02	<0.04	
MW-16	23-Feb-00	101.72		3.05		98.67	3.3	<0.025	<0.025	<0.075	
MW-16	24-May-00	101.72		2.91		98.81	2.6	<0.025	<0.025	<0.050	
MW-16	15-Aug-00	101.72		3.07		98.65	1.7	<0.010	<0.01	<0.03	
MW-16	9-Nov-00	101.72		3.11		98.61	1.5	<0.050	<0.01	<0.03	
MW-16	11-Oct-01	101.72		3.06		98.66	0.35	<0.050	<0.0025	<0.0075	
MW-16	14-Mar-02	101.72		2.75		98.97	0.017	<0.001	<0.001	<0.003	
MW-16	6-Jun-02	101.72		2.65		99.07	0.2	<0.002	<0.002	<0.006	
MW-16	30-Aug-02	101.72		2.97		98.75	0.13	<0.001	<0.001	<0.003	
MW-16	6-Dec-02	101.72		3.21		98.51	0.12	<0.001	<0.001	<0.003	
MW-16	6-May-04	101.72		3.07		98.65	0.049	<0.001	<0.001	<0.003	0.0034
MW-16	21-Apr-05	101.72		2.95		98.77					
MW-16	22-Apr-05	101.72					0.045	<0.001	<0.001	<0.003	0.0032
MW-16	5-Jan-09	101.72		2.58		99.14					
MW-16	6-Jan-09	101.72					0.0191	<0.001	<0.001	<0.003	<0.001
MW-17	5-Nov-97	100.91		2.05		98.86	<0.001	<0.001	<0.001	<0.003	
MW-17	27-Feb-98	100.91		1.63		99.28	<0.001	<0.001	<0.001	<0.003	
MW-17	10-Jun-98	100.91		1.58		99.33	<0.001	<0.001	<0.001	<0.003	
MW-17	8-Oct-98	100.91		1.87		99.04	<0.001	<0.001	<0.001	<0.003	
MW-17	31-Mar-99	100.91		2.29		98.62	<0.001	<0.001	<0.001	<0.003	
MW-17	9-Jun-99	100.91		2.15		98.76	<0.001	<0.001	<0.001	<0.003	
MW-17	2-Sep-99	100.91		2.65		98.26	<0.001	<0.001	<0.001	<0.002	
MW-17	28-Oct-99	100.91		2.54		98.37	<0.001	<0.001	<0.001	<0.002	
MW-17	23-Feb-00	100.91		2.04		98.87	<0.001	<0.001	<0.001	<0.003	
MW-17	24-May-00	100.91		1.81		99.10	<0.001	<0.001	<0.001	<0.002	
MW-17	15-Aug-00	100.91		2.07		98.84	<0.001	<0.001	<0.001	<0.003	
MW-17	9-Nov-00	100.91		1.98		98.93	<0.001	<0.005	<0.001	<0.003	
MW-17	11-Oct-01	100.91		2.14		98.77	<0.001	<0.001	<0.001	<0.003	
MW-17	14-Mar-02	100.91		1.81		99.10	<0.001	<0.001	<0.001	<0.003	
MW-17	6-Jun-02	100.91		1.59		99.32	0.0024	<0.001	<0.001	<0.003	
MW-17	30-Aug-02	100.91		2.01		98.90	<0.001	<0.001	<0.001	<0.003	
MW-17	6-Dec-02	100.91		2.34		98.57	<0.001	<0.001	<0.001	<0.003	
MW-17	6-May-04	100.91		2.13		98.78	0.0011	<0.001	<0.001	<0.003	0.053
MW-17	21-Apr-05	100.91		1.99		98.92					
MW-17	22-Apr-05	100.91					0.0041	<0.001	<0.001	<0.003	0.057
MW-17	5-Jan-09	100.91		1.48		99.43					
MW-17	6-Jan-09	100.91					<0.001	<0.001	<0.001	<0.003	0.0128
MW-18	5-Nov-97	99.19		5.32		93.87	<0.001	<0.001	<0.001	<0.003	
MW-18	27-Feb-98	99.19		2.63		96.56	<0.001	<0.001	<0.001	<0.003	
MW-18	10-Jun-98	99.19		2.85		96.34	<0.001	<0.001	<0.001	<0.003	
MW-18	8-Oct-98	99.19		6.37		92.82	<0.001	<0.001	<0.001	<0.003	
MW-18	31-Mar-99	99.19		2.81		96.38	<0.001	<0.001	<0.001	<0.003	
MW-18	9-Jun-99	99.19		2.46		96.73	<0.001	<0.001	<0.001	<0.003	
MW-18	2-Sep-99	99.19		4.73		94.46	<0.001	<0.001	<0.001	<0.003	
MW-18	28-Oct-99	99.19		3.95		95.24	<0.001	<0.001	<0.001	<0.003	
MW-18	23-Feb-00	99.19		3.25		95.94	<0.001	<0.001	<0.001	<0.003	
MW-18	24-May-00	99.19		2.34		96.85	<0.001	<0.001	<0.001	<0.003	
MW-18	15-Aug-00	99.19		2.98		96.21	<0.001	<0.001	<0.001	<0.003	
MW-18	9-Nov-00	99.19		3.35		95.84	<0.001	<0.005	<0.001	<0.003	
MW-18	11-Oct-01	99.19		3.42		95.77	<0.001	<0.001	<0.001	<0.003	
MW-18	14-Mar-02	99.19		2.40		96.79	<0.001	<0.001	<0.001	<0.003	
MW-18	6-Jun-02	99.19		2.33		96.86	<0.001	<0.001	<0.001	<0.003	
MW-18	30-Aug-02	99.19		3.50		95.69	<0.001	<0.001	<0.001	<0.003	
MW-18	6-Dec-02	99.19		3.54		95.65	<0.001	<0.001	<0.001	<0.003	
MW-18	6-May-04	99.19		2.83		96.36	<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	21-Apr-05	99.19		2.73		96.46					
MW-18	22-Apr-05	99.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-18	5-Jan-09	99.19		2.34		96.85					
MW-18	6-Jan-09	99.19					<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	19-Oct-01	100.62		5.42		95.20	<0.001	<0.001	<0.001	<0.003	
MW-19	14-Mar-02	100.62		3.70		96.92	<0.001	<0.001	<0.001	<0.003	

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-19	6-Jun-02	100.62		2.90		97.72	<0.001	<0.001	<0.001	<0.003	
MW-19	30-Aug-02	100.62		4.85		95.77	<0.001	<0.001	<0.001	<0.003	
MW-19	6-Dec-02	100.62		5.71		94.91	<0.001	<0.001	<0.001	<0.003	
MW-19	3-May-04	100.62		4.10		96.52	<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	21-Apr-05	100.62		3.77		96.85					
MW-19	22-Apr-05	100.62					<0.001	<0.001	<0.001	<0.003	<0.001
MW-19	5-Jan-09	100.62		3.33		97.29					
MW-19	6-Jan-09	100.62					<0.001	<0.001	<0.001	<0.003	<0.001
BW-1	19-Jan-93						BDL	BDL	BDL	BDL	
BW-1	17-Jun-93						<0.001	<0.001	<0.001	<0.001	
BW-1	11-Jan-93						<0.001	<0.001	<0.001	<0.001	
BW-1	27-Jun-94						<0.001	<0.001	<0.001	<0.003	
BW-1	16-Feb-95						<0.002	<0.002	<0.002	<0.005	
BW-1	28-Jul-95						<0.002	<0.002	<0.002	<0.005	
BW-1	22-Mar-96						<0.002	<0.002	<0.002	<0.005	
BW-1	11-Oct-01	99.08		27.34		71.74	<0.001	<0.001	<0.001	<0.003	
BW-1	14-Mar-02	99.08		25.56		73.52	<0.001	<0.001	<0.001	<0.003	
BW-1	6-Jun-02	99.08		30.36		68.72	<0.001	<0.001	<0.001	<0.003	
BW-1	30-Aug-02	99.08		28.25		70.83	<0.001	<0.001	<0.001	<0.003	
BW-1	6-Dec-02	99.08		26.61		72.47	<0.001	<0.001	<0.001	<0.003	
BW-1	6-May-04	99.08					Not able to open, manhole needs to be repaired				
RW-1 ('04)	21-Apr-05	108.01		4.58		103.43	0.44	0.0097	0.028	0.11	0.01
RW-1 ('04)	29-Dec-08	108.01		2.42		105.59					
RW-1 ('04)	5-Jan-09	108.01		3.93		104.08					
MP-1	21-Apr-05	108.51		5.09		103.42	0.49	0.013	<0.0025	0.015	0.0096
MP-1	6-Jan-09	108.51					0.0301	0.0011	0.0021	<0.003	0.001
MP-2	21-Apr-05	108.72		5.31		103.41	0.23	0.0095	0.14	0.2	0.0077
MP-3	21-Apr-05	109.30		5.89		103.41	0.13	0.65	0.13	1.2	0.011
MP-3	29-Dec-08	109.30		5.17		104.13					
MP-3	22-Jun-10	109.30		5.71		103.59					
MP-4	21-Apr-05	109.33		5.89		103.44	0.24	0.014	<0.001	0.013	0.0061
MW-21	21-Apr-05	102.43		8.79		93.64					
MW-21	22-Apr-05	102.43					<0.001	<0.001	<0.001	<0.003	<0.001
MW-21	5-Jan-09	102.43		6.12		96.31					
MW-21	6-Jan-09	102.43					<0.001	<0.001	<0.001	<0.003	<0.001
MW-22	21-Apr-05	107.15		4.62		102.53					
MW-22	22-Apr-05	107.15					<0.001	<0.001	<0.001	<0.003	<0.001
MW-22	6-Jan-09	107.15		4.34		102.81	<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	21-Apr-05	104.89		6.90		97.99					
MW-23	22-Apr-05	104.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-23	5-Jan-09	104.89		6.78		98.11					
MW-23	6-Jan-09	104.89					<0.001	<0.001	<0.001	<0.003	<0.001
MW-24	21-Apr-05	105.54		4.35		101.19	<0.001	<0.001	<0.001	<0.003	<0.001
MW-24	1-Sep-09	105.54					Destroyed				
MW-25	24-May-05	107.74		4.31		103.43	<0.001	<0.001	<0.001	<0.003	<0.001
MW-25	1-Sep-09	107.74		4.33		103.41					
MW-26	21-Apr-05	111.38		7.48		103.90					
MW-26	22-Apr-05	111.38					<0.001	<0.001	<0.001	<0.003	<0.001
MW-26	29-Dec-08	111.38		6.00		105.38					
MW-26	31-Dec-08	111.38		6.94		104.44					
MW-26	5-Jan-09	111.38		7.23		104.15					
MW-26	6-Jan-09	111.38					0.0403	0.0755	0.0048	0.0597	0.0017
MW-26	13-Mar-09	111.38		6.83		104.55					
MW-26	1-Apr-09	111.38		6.72		104.66					
MW-26	19-May-09	111.38		7.32		104.06					
MW-26	16-Jul-09	111.38	7.62	7.66	0.04	103.75					
MW-26	27-Jul-09	111.38	7.59	7.94	0.35	103.71					
MW-26	11-Aug-09	111.38	7.58	8.19	0.61	103.67					
MW-26	18-Aug-09	111.38	7.59	8.25	0.66	103.64					
MW-26	25-Aug-09	111.38	7.58	8.23	0.65	103.66					
MW-26	1-Sep-09	111.38	7.53	7.58	0.05	103.84					
MW-26	10-Sep-09	111.38	7.71	7.78	0.07	103.65					
MW-26	17-Sep-09	111.38	7.78	7.80	0.02	103.60					
MW-26	24-Sep-09	111.38	7.73	7.89	0.16	103.61					

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-26	1-Oct-09	111.38		7.75		103.63					
MW-26	7-Oct-09	111.38	7.57	7.98	0.41	103.72					
MW-26	23-Oct-09	111.38		7.32		104.06					
MW-26	28-Oct-09	111.38		7.41		103.97					
MW-26	9-Nov-09	111.38	7.58	7.59	0.01	103.80					
MW-26	24-Nov-09	111.38	7.71	7.72	0.01	103.67					
MW-26	3-Dec-09	111.38	7.59	7.63	0.04	103.78					
MW-26	8-Dec-09	111.38	7.64	7.69	0.05	103.73					
MW-26	17-Dec-09	111.38	7.55	7.63	0.08	103.81					
MW-26	22-Dec-09	111.38	7.62	7.81	0.19	103.72					
MW-26	28-Dec-09	111.38		7.20		104.18					
MW-26	6-Jan-10	111.38		7.55		103.83					
MW-26	19-Jan-10	111.38		7.68		103.70					
MW-26	25-Jan-10	111.38		7.15		104.23					
MW-26	2-Feb-10	111.38		7.53		103.85					
MW-26	8-Feb-10	111.38		7.62		103.76					
MW-26	18-Mar-10	111.38		7.21		104.17					
MW-26	24-Mar-10	111.38		7.28		104.10					
MW-26	29-Mar-10	111.38		7.42		103.96					
MW-26	21-Apr-10	111.38		7.50		103.88					
MW-26	27-Apr-10	111.38		7.50		103.88					
MW-26	4-May-10	111.38		7.49		103.89					
MW-26	10-May-10	111.38		7.47		103.91					
MW-26	19-May-10	111.38		7.27		104.11					
MW-26	25-May-10	111.38		7.43		103.95					
MW-26	2-Jun-10	111.38		7.39		103.99					
MW-26	8-Jun-10	111.38		7.33		104.05					
MW-26	16-Jun-10	111.38		7.43		103.95					
MW-26	22-Jun-10	111.38		7.43		103.95					
MW-27	21-Apr-05	111.15		7.54		103.61	0.048	0.0095	0.15	0.68	0.016
MW-27	29-Dec-08	111.15	Sheen	6.83	Sheen	104.32					
MW-27	31-Dec-08	111.15	6.97	7.03	0.06	104.17					
MW-27	5-Jan-09	111.15	7.25	7.35	0.10	103.88					
MW-27	9-Jan-09	111.15	7.29	7.39	0.10	103.84					
MW-27	27-Jan-09	111.15	7.59	7.72	0.13	103.53					
MW-27	30-Jan-09	111.15	7.66	7.68	0.02	103.49					
MW-27	26-Feb-09	111.15	7.28	7.36	0.08	103.85					
MW-27	9-Mar-09	111.15		6.50		104.65					
MW-27	13-Mar-09	111.15	6.82	6.83	0.00	104.33					
MW-27	1-Apr-09	111.15		6.71		104.44					
MW-27	19-May-09	111.15	7.37	7.39	0.02	103.78					
MW-27	16-Jul-09	111.15	7.42	8.34	0.92	103.53					
MW-27	1-Sep-09	111.15	7.43	7.73	0.30	103.65					
MW-27	10-Sep-09	111.15	7.55	7.56	0.01	103.60					
MW-27	17-Sep-09	111.15	7.56	7.58	0.02	103.59					
MW-27	24-Sep-09	111.15		7.53		103.62					
MW-27	1-Oct-09	111.15		7.59		103.56					
MW-27	7-Oct-09	111.15	7.53	7.84	0.31	103.55					
MW-27	23-Oct-09	111.15	7.30	7.53	0.23	103.80					
MW-27	28-Oct-09	111.15	7.39	7.58	0.19	103.72					
MW-27	9-Nov-09	111.15	7.51	7.78	0.27	103.58					
MW-27	24-Nov-09	111.15	7.60	8.07	0.47	103.45					
MW-27	3-Dec-09	111.15	7.53	7.87	0.34	103.55					
MW-27	8-Dec-09	111.15	7.56	7.96	0.40	103.50					
MW-27	17-Dec-09	111.15	7.49	7.77	0.28	103.60					
MW-27	22-Dec-09	111.15	7.55	7.94	0.39	103.51					
MW-27	28-Dec-09	111.15		7.20		103.95					
MW-27	6-Jan-10	111.15	7.51	7.53	0.02	103.64					
MW-27	11-Jan-10	111.15		7.65		103.50					
MW-27	19-Jan-10	111.15	7.63	7.65	0.02	103.52					
MW-27	25-Jan-10	111.15		7.13		104.02					
MW-27	2-Feb-10	111.15	7.51	7.53	0.02	103.64					
MW-27	8-Feb-10	111.15	7.60	7.63	0.03	103.54					
MW-27	16-Feb-10	111.15	7.72	7.74	0.02	103.43					

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Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-27	22-Feb-10	111.15	7.50	7.72	0.22	103.60					
MW-27	1-Mar-10	111.15		7.48		103.67					
MW-27	8-Mar-10	111.15	7.37	7.61	0.24	103.73					
MW-27	18-Mar-10	111.15		7.23		103.92					
MW-27	24-Mar-10	111.15		7.29		103.86					
MW-27	29-Mar-10	111.15	7.42	7.43	0.01	103.73					
MW-27	21-Apr-10	111.15	7.46	7.56	0.10	103.67					
MW-27	27-Apr-10	111.15	7.48	7.61	0.13	103.64					
MW-27	4-May-10	111.15	7.49	7.61	0.12	103.63					
MW-27	10-May-10	111.15	7.45	7.54	0.09	103.68					
MW-27	19-May-10	111.15	7.25	7.37	0.12	103.87					
MW-27	25-May-10	111.15	7.39	7.51	0.12	103.73					
MW-27	2-Jun-10	111.15	7.42	7.46	0.04	103.72					
MW-27	8-Jun-10	111.15	7.36	7.38	0.03	103.79					
MW-27	16-Jun-10	111.15	7.40	7.58	0.18	103.71					
MW-27	22-Jun-10	111.15	7.34	7.75	0.41	103.72					
MW-28	21-Apr-05	112.55		8.10		104.45					
MW-28	22-Apr-05	112.55					<0.001	<0.001	<0.001	<0.003	<0.001
MW-28	5-Jan-09	112.55		7.80		104.75					
MW-28	6-Jan-09	112.55					<0.001	<0.001	<0.001	<0.003	<0.001
MW-28	1-Sep-09	112.55		8.02		104.53					
RW-1	6-Jan-09						0.764	<0.005	0.0052	<0.015	0.0118
RW-1	19-May-09			6.10							
RW-1	25-Aug-09			6.39							
RW-1	1-Sep-09			6.22							
RW-1	10-Sep-09			6.35							
RW-1	17-Sep-09			6.38							
RW-1	24-Sep-09			6.35							
RW-1	1-Oct-09			6.40							
RW-1	7-Oct-09			6.27							
RW-1	23-Oct-09			6.03							
RW-2	1-Apr-09			9.40							
RW-2	19-May-09			9.70							
RW-2	16-Jul-09			9.72							
RW-2	18-Aug-09			9.72							
RW-2	25-Aug-09			9.73							
RW-2	1-Sep-09			9.72							
RW-2	10-Sep-09			9.72							
RW-2	17-Sep-09			9.73							
RW-2	24-Sep-09			9.74							
RW-2	1-Oct-09			9.73							
RW-2	7-Oct-09			9.72							
RW-2	23-Oct-09			9.72							
RW-2	22-Jun-10		9.72	9.73	0.01						
RW-3	19-May-09			7.20							
RW-3	17-Jun-09		7.20	7.34	0.14						
RW-3	16-Jul-09		7.52	7.53	0.01						
RW-3	27-Jul-09		7.50	7.52	0.02						
RW-3	18-Aug-09		7.58	7.59	0.01						
RW-3	25-Aug-09		7.55	7.57	0.02						
RW-3	1-Sep-09		7.34	7.47	0.13						
RW-3	10-Sep-09		7.71	7.72	0.01						
RW-3	17-Sep-09		7.70	7.71	0.01						
RW-3	24-Sep-09		7.58	7.60	0.02						
RW-3	1-Oct-09		7.69	7.70	0.01						
RW-3	7-Oct-09		7.48	7.49	0.01						
RW-3	23-Oct-09		7.43	7.46	0.03						
RW-3	28-Oct-09		7.38	7.39	0.01						
RW-3	9-Nov-09		7.53	7.55	0.02						
RW-3	24-Nov-09		7.55	7.56	0.01						
RW-3	3-Dec-09		7.40	7.42	0.02						
RW-3	8-Dec-09		7.42	7.45	0.03						
RW-3	17-Dec-09		7.42	7.51	0.09						
RW-3	22-Dec-09		7.65	7.80	0.15						

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Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-3	28-Dec-09		7.16	7.19	0.03						
RW-3	6-Jan-10		7.58	7.65	0.07						
RW-3	11-Jan-10		7.50	7.55	0.05						
RW-3	19-Jan-10		7.52	7.54	0.02						
RW-3	25-Jan-10		6.98	6.99	0.01						
RW-3	2-Feb-10		7.86	7.89	0.03						
RW-3	8-Feb-10		7.45	7.48	0.03						
RW-3	16-Feb-10		7.56	7.57	0.01						
RW-3	22-Feb-10		7.52	7.54	0.02						
RW-3	1-Mar-10			7.40							
RW-3	8-Mar-10			7.52							
RW-3	18-Mar-10			7.07							
RW-3	24-Mar-10			7.12							
RW-3	29-Mar-10			7.14							
RW-3	21-Apr-10		7.59	7.60	0.01						
RW-3	27-Apr-10			7.36							
RW-3	4-May-10		7.34	7.37	0.03						
RW-3	10-May-10		7.35	7.39	0.04						
RW-3	19-May-10		7.40	7.44	0.04						
RW-3	25-May-10		6.03	6.12	0.09						
RW-3	2-Jun-10		6.05	6.15	0.10						
RW-3	8-Jun-10		6.00	6.10	0.10						
RW-3	16-Jun-10		6.02	6.12	0.10						
RW-3	22-Jun-10		6.06	6.09	0.03						
RW-4	19-May-09			7.36							
RW-4	17-Jun-09			7.37							
RW-4	16-Jul-09			7.63							
RW-4	11-Aug-09		7.53	7.57	0.04						
RW-4	18-Aug-09		7.70	7.71	0.01						
RW-4	25-Aug-09		7.70	7.71	0.01						
RW-4	1-Sep-09		7.51	7.53	0.02						
RW-4	10-Sep-09		7.68	7.70	0.02						
RW-4	17-Sep-09			7.76							
RW-4	24-Sep-09		7.68	7.70	0.02						
RW-4	1-Oct-09		7.73	7.74	0.01						
RW-4	7-Oct-09		7.58	7.60	0.02						
RW-4	23-Oct-09		7.35	7.40	0.05						
RW-4	28-Oct-09		7.39	7.50	0.11						
RW-4	9-Nov-09		7.55	7.56	0.01						
RW-4	24-Nov-09		7.65	7.83	0.18						
RW-4	3-Dec-09		7.58	7.70	0.12						
RW-4	8-Dec-09		7.60	7.74	0.14						
RW-4	17-Dec-09		7.55	7.63	0.08						
RW-4	22-Dec-09		7.61	7.75	0.14						
RW-4	28-Dec-09		7.16	7.27	0.11						
RW-4	6-Jan-10		7.50	7.60	0.10						
RW-4	11-Jan-10		7.58	7.71	0.13						
RW-4	19-Jan-10		7.62	7.73	0.11						
RW-4	25-Jan-10		7.14	7.21	0.07						
RW-4	2-Feb-10		7.48	7.60	0.12						
RW-4	8-Feb-10		7.56	7.74	0.18						
RW-4	16-Feb-10		7.60	7.80	0.20						
RW-4	22-Feb-10		7.50	7.63	0.13						
RW-4	1-Mar-10		7.51	7.61	0.10						
RW-4	8-Mar-10		7.38	7.45	0.07						
RW-4	18-Mar-10		7.18	7.30	0.12						
RW-4	24-Mar-10		7.26	7.38	0.12						
RW-4	29-Mar-10		7.34	7.49	0.15						
RW-4	21-Apr-10		7.42	7.61	0.19						
RW-4	27-Apr-10		7.43	7.60	0.17						
RW-4	4-May-10		7.43	7.60	0.17						
RW-4	10-May-10		7.41	7.56	0.15						
RW-4	19-May-10		7.25	7.37	0.12						
RW-4	25-May-10		7.35	7.49	0.14						

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-4	2-Jun-10		7.35	7.52	0.17						
RW-4	8-Jun-10		7.31	7.43	0.12						
RW-4	16-Jun-10		7.37	7.54	0.17						
RW-4	22-Jun-10		7.36	7.53	0.17						
RW-5	19-May-09		6.93	8.40	1.47						
RW-5	17-Jun-09		7.01	8.13	1.12						
RW-5	16-Jul-09			7.51							
RW-5	11-Aug-09		7.51	8.05	0.54						
RW-5	18-Aug-09		7.38	8.51	1.13						
RW-5	25-Aug-09		7.37	8.54	1.17						
RW-5	1-Sep-09		7.18	8.28	1.10						
RW-5	10-Sep-09		7.31	8.63	1.32						
RW-5	17-Sep-09		7.39	7.42	0.03						
RW-5	24-Sep-09		7.39	8.61	1.22						
RW-5	1-Oct-09		7.44	7.47	0.03						
RW-5	7-Oct-09			7.35							
RW-5	23-Oct-09		7.16	7.41	0.25						
RW-5	28-Oct-09		7.19	7.33	0.14						
RW-5	9-Nov-09		7.33	7.34	0.01						
RW-5	24-Nov-09		7.42	8.33	0.91						
RW-5	3-Dec-09		7.32	8.18	0.86						
RW-5	8-Dec-09		7.38	8.25	0.87						
RW-5	17-Dec-09		7.30	8.23	0.93						
RW-5	22-Dec-09		7.33	7.55	0.22						
RW-5	28-Dec-09		7.07	7.30	0.23						
RW-5	6-Jan-10		7.40	7.88	0.48						
RW-5	11-Jan-10		7.48	7.94	0.46						
RW-5	19-Jan-10		7.54	7.87	0.33						
RW-5	25-Jan-10		7.09	7.10	0.01						
RW-5	2-Feb-10		7.31	7.33	0.02						
RW-5	8-Feb-10		7.53	8.10	0.57						
RW-5	16-Feb-10		7.50	8.18	0.68						
RW-5	22-Feb-10		7.39	7.78	0.39						
RW-5	1-Mar-10		7.40	7.86	0.46						
RW-5	8-Mar-10		7.51	7.91	0.40						
RW-5	18-Mar-10		7.08	7.30	0.22						
RW-5	24-Mar-10		7.09	7.51	0.42						
RW-5	29-Mar-10		7.19	7.73	0.54						
RW-5	21-Apr-10		7.25	7.92	0.67						
RW-5	27-Apr-10		7.24	7.92	0.68						
RW-5	4-May-10		7.24	7.90	0.66						
RW-5	10-May-10		7.80	7.92	0.12						
RW-5	19-May-10		7.04	7.80	0.76						
RW-5	25-May-10		7.18	7.25	0.07						
RW-5	2-Jun-10		7.20	7.29	0.09						
RW-5	8-Jun-10		7.25	7.33	0.08						
RW-5	16-Jun-10		7.24	7.32	0.08						
RW-5	22-Jun-10			7.25							
RW-6	19-May-09			7.05							
RW-6	16-Jul-09		7.25	7.83	0.58						
RW-6	27-Jul-09		7.28	7.92	0.64						
RW-6	11-Aug-09		7.31	8.04	0.73						
RW-6	18-Aug-09		7.40	8.02	0.62						
RW-6	25-Aug-09		7.33	8.02	0.69						
RW-6	1-Sep-09			7.32							
RW-6	10-Sep-09		7.43	7.70	0.27						
RW-6	17-Sep-09			7.63							
RW-6	24-Sep-09		7.57	7.60	0.03						
RW-6	1-Oct-09			7.61							
RW-6	7-Oct-09		7.45	7.46	0.01						
RW-6	23-Oct-09		7.41	7.42	0.01						
RW-6	28-Oct-09			7.22							
RW-6	9-Nov-09		7.33	7.42	0.09						
RW-6	24-Nov-09			7.51							

TABLE 1

Groundwater Elevation and Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
RW-6	3-Dec-09		7.34	7.38	0.04						
RW-6	8-Dec-09		7.54	7.59	0.05						
RW-6	17-Dec-09		7.31	7.40	0.09						
RW-6	22-Dec-09		7.42	7.55	0.13						
RW-6	6-Jan-10			7.23							
RW-6	11-Jan-10		7.40	7.42	0.02						
RW-6	19-Jan-10		7.41	7.42	0.01						
RW-6	25-Jan-10			6.87							
RW-6	2-Feb-10		7.25	7.28	0.03						
RW-6	8-Feb-10			7.34							
RW-6	16-Feb-10		7.39	7.40	0.01						
RW-6	22-Feb-10		7.25	7.30	0.05						
RW-6	1-Mar-10		7.25	7.31	0.06						
RW-6	8-Mar-10		7.11	7.17	0.06						
RW-6	18-Mar-10		6.92	6.98	0.06						
RW-6	24-Mar-10		6.95	7.01	0.06						
RW-6	29-Mar-10		7.01	7.07	0.06						
RW-6	21-Apr-10			7.28							
RW-6	27-Apr-10		7.25	7.26	0.01						
RW-6	4-May-10			7.30							
RW-6	10-May-10		7.20	7.21	0.01						
RW-6	19-May-10		6.96	7.04	0.08						
RW-6	25-May-10		7.12	7.20	0.08						
RW-6	2-Jun-10		7.10	7.15	0.05						
RW-6	8-Jun-10		7.03	7.13	0.10						
RW-6	16-Jun-10		7.15	7.20	0.05						
RW-6	22-Jun-10		7.13	7.19	0.06						
MW-29	19-May-09		7.32	9.39	2.07						
MW-29	17-Jun-09		7.55	8.65	1.10						
MW-29	16-Jul-09		7.84	9.10	1.26						
MW-29	27-Jul-09		7.76	8.86	1.10						
MW-29	11-Aug-09		8.26	8.27	0.01						
MW-29	18-Aug-09		8.29	8.44	0.15						
MW-29	25-Aug-09		8.21	8.28	0.07						
MW-29	1-Sep-09		7.75	8.96	1.21						
MW-29	10-Sep-09		7.88	9.16	1.28						
MW-29	17-Sep-09		8.27	8.41	0.14						
MW-29	24-Sep-09		8.26	8.27	0.01						
MW-29	1-Oct-09			8.30							
MW-29	7-Oct-09		8.09	8.11	0.02						
MW-29	23-Oct-09		7.75	7.86	0.11						
MW-29	28-Oct-09		7.84	8.26	0.42						
MW-29	9-Nov-09		7.80	8.95	1.15						
MW-29	24-Nov-09		7.93	9.03	1.10						
MW-29	3-Dec-09		7.84	8.82	0.98						
MW-29	8-Dec-09		7.86	8.74	0.88						
MW-29	17-Dec-09		7.90	8.60	0.70						
MW-29	22-Dec-09		7.95	8.80	0.85						
MW-29	28-Dec-09		7.61	7.63	0.02						
MW-29	6-Jan-10		7.80	8.73	0.93						
MW-29	11-Jan-10		7.80	9.17	1.37						
MW-29	19-Jan-10		7.85	9.20	1.35						
MW-29	25-Jan-10		7.55	7.63	0.08						
MW-29	2-Feb-10		7.82	8.77	0.95						
MW-29	8-Feb-10		7.85	8.89	1.04						
MW-29	16-Feb-10		7.93	8.97	1.04						
MW-29	22-Feb-10		7.85	8.45	0.60						
MW-29	1-Mar-10		7.87	8.64	0.77						
MW-29	8-Mar-10		7.71	8.16	0.45						
MW-29	18-Mar-10		7.62	7.77	0.15						
MW-29	24-Mar-10		7.65	7.73	0.08						
MW-29	29-Mar-10		7.78	7.85	0.07						
MW-29	21-Apr-10		7.18	7.23	0.05						
MW-29	27-Apr-10		7.86	8.45	0.59						

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399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-29	4-May-10		7.76	8.71	0.95						
MW-29	10-May-10		7.83	8.40	0.57						
MW-29	19-May-10		7.56	8.50	0.94						
MW-29	25-May-10		7.71	8.52	0.81						
MW-29	2-Jun-10		7.70	8.40	0.70						
MW-29	8-Jun-10		7.72	8.36	0.64						
MW-29	16-Jun-10		7.70	8.50	0.80						
MW-29	22-Jun-10		6.95	7.22	0.27						
MW-30	19-May-09		7.46	7.54	0.08						
MW-30	17-Jun-09		7.29	8.19	0.90						
MW-30	16-Jul-09		7.54	8.55	1.01						
MW-30	25-Aug-09		7.66	8.54	0.88						
MW-30	1-Sep-09		7.58	7.91	0.33						
MW-30	10-Sep-09		7.65	8.52	0.87						
MW-30	17-Sep-09			7.68							
MW-30	24-Sep-09			7.69							
MW-30	1-Oct-09			7.72							
MW-30	7-Oct-09		7.64	7.65	0.01						
MW-30	23-Oct-09		7.41	7.64	0.23						
MW-30	28-Oct-09		7.54	7.71	0.17						
MW-30	9-Nov-09		7.67	7.83	0.16						
MW-30	24-Nov-09		7.81	7.95	0.14						
MW-30	3-Dec-09		7.70	7.93	0.23						
MW-30	8-Dec-09		7.71	7.80	0.09						
MW-30	17-Dec-09		7.63	7.72	0.09						
MW-30	22-Dec-09		7.73	8.00	0.27						
MW-30	28-Dec-09		7.27	7.33	0.06						
MW-30	6-Jan-10		7.63	7.74	0.11						
MW-30	11-Jan-10		7.73	7.83	0.10						
MW-30	19-Jan-10		7.77	7.82	0.05						
MW-30	25-Jan-10			7.23							
MW-30	2-Feb-10		7.63	7.68	0.05						
MW-30	8-Feb-10		7.72	7.88	0.16						
MW-30	16-Feb-10		7.78	7.82	0.04						
MW-30	22-Feb-10		7.67	7.70	0.03						
MW-30	1-Mar-10		7.67	7.70	0.03						
MW-30	8-Mar-10		7.54	7.57	0.03						
MW-30	18-Mar-10		7.32	7.35	0.03						
MW-30	24-Mar-10		7.40	7.46	0.06						
MW-30	29-Mar-10		7.52	7.57	0.05						
MW-30	21-Apr-10		7.60	7.72	0.12						
MW-30	27-Apr-10		7.62	7.73	0.11						
MW-30	4-May-10		7.61	7.72	0.11						
MW-30	10-May-10		7.57	7.67	0.10						
MW-30	19-May-10		7.37	7.46	0.09						
MW-30	25-May-10		7.53	7.60	0.07						
MW-30	2-Jun-10		7.53	7.60	0.07						
MW-30	8-Jun-10		7.45	7.54	0.09						
MW-30	16-Jun-10		7.54	7.62	0.08						
MW-30	22-Jun-10		7.41	8.03	0.62						
MW-31	19-May-09			7.36							
MW-31	17-Jun-09		7.36	7.86	0.50						
MW-31	16-Jul-09		7.80	7.82	0.02						
MW-31	27-Jul-09		7.83	7.87	0.04						
MW-31	11-Aug-09		7.87	7.90	0.03						
MW-31	18-Aug-09		7.66	8.32	0.66						
MW-31	25-Aug-09		7.71	8.03	0.32						
MW-31	1-Sep-09		7.54	7.87	0.33						
MW-31	10-Sep-09		7.66	8.03	0.37						
MW-31	17-Sep-09		7.81	7.86	0.05						
MW-31	24-Sep-09			7.83							
MW-31	1-Oct-09			7.81							
MW-31	7-Oct-09		7.70	7.71	0.01						
MW-31	23-Oct-09		8.02	8.03	0.01						

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399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
MW-31	28-Oct-09		7.69	7.73	0.04						
MW-31	9-Nov-09		7.75	7.96	0.21						
MW-31	24-Nov-09		7.80	7.81	0.01						
MW-31	3-Dec-09		7.83	7.94	0.11						
MW-31	8-Dec-09		7.81	7.90	0.09						
MW-31	17-Dec-09		7.67	7.69	0.02						
MW-31	22-Dec-09		7.80	8.13	0.33						
MW-31	28-Dec-09		7.95	8.03	0.08						
MW-31	6-Jan-10		7.47	7.57	0.10						
MW-31	11-Jan-10		7.40	7.50	0.10						
MW-31	19-Jan-10		7.41	7.50	0.09						
MW-31	25-Jan-10			7.23							
MW-31	2-Feb-10			7.65							
MW-31	8-Feb-10		7.61	7.88	0.27						
MW-31	16-Feb-10		7.77	7.97	0.20						
MW-31	22-Feb-10		7.56	7.91	0.35						
MW-31	1-Mar-10		7.54	7.82	0.28						
MW-31	8-Mar-10		7.46	7.68	0.22						
MW-31	18-Mar-10		7.28	7.36	0.08						
MW-31	24-Mar-10		7.30	7.36	0.06						
MW-31	29-Mar-10		7.32	7.37	0.05						
MW-31	21-Apr-10		7.40	7.49	0.09						
MW-31	27-Apr-10		7.54	7.63	0.09						
MW-31	4-May-10		7.41	7.43	0.02						
MW-31	10-May-10		7.39	7.43	0.04						
MW-31	19-May-10		7.43	7.75	0.32						
MW-31	2-Jun-10		7.20	7.22	0.02						
MW-31	8-Jun-10		7.21	7.23	0.02						
MW-31	16-Jun-10		7.19	7.21	0.02						
MW-31	22-Jun-10		6.22	6.24	0.02						
MW-32	19-May-09			7.43							
MW-32	16-Jul-09			7.69							
MW-32	25-Aug-09			7.72							
MW-32	1-Sep-09			7.58							
MW-32	10-Sep-09			7.74							
MW-32	17-Sep-09			7.81							
MW-32	24-Sep-09			7.78							
MW-32	1-Oct-09			7.83							
MW-32	7-Oct-09			7.67							
MW-32	23-Oct-09			7.43							
MW-32	22-Jun-10			7.49							
S-1	16-Jul-09		7.49	7.59	0.10						
S-1	27-Jul-09		7.46	7.54	0.08						
S-1	11-Aug-09		7.71	7.79	0.08						
S-1	18-Aug-09		7.61	7.72	0.11						
S-1	25-Aug-09		7.53	7.61	0.08						
S-1	1-Sep-09		7.01	7.05	0.04						
S-1	10-Sep-09		7.63	7.68	0.05						
S-1	17-Sep-09			7.86							
S-1	24-Sep-09		7.73	7.78	0.05						
S-1	1-Oct-09		7.87	7.89	0.02						
S-1	7-Oct-09		7.41	7.42	0.01						
S-1	23-Oct-09		6.79	6.81	0.02						
S-1	28-Oct-09		6.97	7.03	0.06						
S-1	9-Nov-09		7.33	7.38	0.05						
S-1	24-Nov-09		7.68	7.76	0.08						
S-1	3-Dec-09		7.40	7.46	0.06						
S-1	8-Dec-09		7.57	7.64	0.07						
S-1	17-Dec-09		7.31	7.39	0.08						
S-1	22-Dec-09		7.43	7.51	0.08						
S-1	28-Dec-09		6.52	6.59	0.07						
S-1	6-Jan-10		7.15	7.24	0.09						
S-1	11-Jan-10		7.38	7.45	0.07						
S-1	19-Jan-10		7.54	7.62	0.08						

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Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-1	25-Jan-10		7.01	7.04	0.03						
S-1	2-Feb-10		7.25	7.30	0.05						
S-1	8-Feb-10		7.37	7.42	0.05						
S-1	16-Feb-10		7.55	7.62	0.07						
S-1	22-Feb-10		7.43	7.47	0.04						
S-1	1-Mar-10		7.35	7.40	0.05						
S-1	8-Mar-10		7.45	7.49	0.04						
S-1	18-Mar-10		6.79	6.82	0.03						
S-1	24-Mar-10		6.75	6.79	0.04						
S-1	29-Mar-10		7.01	7.05	0.04						
S-1	21-Apr-10		7.45	7.51	0.06						
S-1	27-Apr-10		7.27	7.29	0.02						
S-1	4-May-10		7.27	7.30	0.03						
S-1	10-May-10		7.13	7.16	0.03						
S-1	19-May-10		6.58	6.65	0.07						
S-1	25-May-10		6.86	6.95	0.09						
S-1	2-Jun-10		6.95	7.04	0.09						
S-1	8-Jun-10		6.96	7.01	0.05						
S-1	16-Jun-10		7.02	7.06	0.04						
S-1	22-Jun-10		7.05	7.09	0.04						
S-2	16-Jul-09		7.59	7.62	0.03						
S-2	27-Jul-09		7.56	7.64	0.08						
S-2	11-Aug-09		7.70	7.81	0.11						
S-2	18-Aug-09		7.68	7.80	0.12						
S-2	25-Aug-09		7.61	7.71	0.10						
S-2	1-Sep-09		7.00	7.01	0.01						
S-2	10-Sep-09		7.62	7.67	0.05						
S-2	17-Sep-09			7.85							
S-2	24-Sep-09		7.73	7.79	0.06						
S-2	1-Oct-09		7.89	7.91	0.02						
S-2	7-Oct-09		7.50	7.55	0.05						
S-2	23-Oct-09		6.86	6.87	0.01						
S-2	28-Oct-09		6.99	7.02	0.03						
S-2	9-Nov-09		7.41	7.47	0.06						
S-2	24-Nov-09		7.78	7.85	0.07						
S-2	3-Dec-09		7.49	7.54	0.05						
S-2	8-Dec-09		7.63	7.70	0.07						
S-2	17-Dec-09		7.39	7.45	0.06						
S-2	22-Dec-09		7.54	7.61	0.07						
S-2	28-Dec-09		6.61	6.65	0.04						
S-2	6-Jan-10		7.23	7.30	0.07						
S-2	11-Jan-10		7.47	7.52	0.05						
S-2	19-Jan-10		7.62	7.68	0.06						
S-2	25-Jan-10		7.08	7.10	0.02						
S-2	2-Feb-10		7.34	7.39	0.05						
S-2	8-Feb-10		7.45	7.52	0.07						
S-2	16-Feb-10		7.65	7.73	0.08						
S-2	22-Feb-10		7.52	7.55	0.03						
S-2	1-Mar-10		7.43	7.49	0.06						
S-2	8-Mar-10		7.51	7.57	0.06						
S-2	18-Mar-10		6.85	6.89	0.04						
S-2	24-Mar-10		6.85	6.88	0.03						
S-2	29-Mar-10		7.08	7.12	0.04						
S-2	21-Apr-10		7.37	7.41	0.04						
S-2	27-Apr-10		7.27	7.31	0.04						
S-2	4-May-10		7.36	7.39	0.03						
S-2	10-May-10		7.21	7.24	0.03						
S-2	19-May-10		6.67	6.71	0.04						
S-2	25-May-10		6.93	7.02	0.09						
S-2	2-Jun-10		7.00	7.10	0.10						
S-2	8-Jun-10		6.99	7.04	0.05						
S-2	16-Jun-10		7.09	7.12	0.03						
S-2	22-Jun-10		7.12	7.16	0.04						
S-3	16-Jul-09		7.59	7.67	0.08						

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399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes							COCs and Tier 1 Groundwater Remediation Objectives				
							Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)
GCGIER - Class I Groundwater							0.005	1	0.7	10	0.07
GCGIER - Class II Groundwater							0.025	2.5	1	10	0.07
Sample ID	Date Sampled	Reference Elevation (feet)	Static Depth to Free Product (feet below TOC)	Static Depth to Water (feet below TOC)	Free Product Thickness (feet)	Groundwater Elevation (feet)					
S-3	27-Jul-09		7.56	7.59	0.03						
S-3	11-Aug-09		7.69	7.81	0.12						
S-3	18-Aug-09		7.69	7.80	0.11						
S-3	25-Aug-09		7.61	7.71	0.10						
S-3	1-Sep-09		7.03	7.08	0.05						
S-3	10-Sep-09		7.66	7.68	0.02						
S-3	17-Sep-09			7.88							
S-3	24-Sep-09		7.74	7.80	0.06						
S-3	1-Oct-09		7.88	7.89	0.01						
S-3	7-Oct-09		7.50	7.51	0.01						
S-3	23-Oct-09		6.26	6.27	0.01						
S-3	28-Oct-09		6.97	7.02	0.05						
S-3	9-Nov-09		7.40	7.45	0.05						
S-3	24-Nov-09		7.76	7.86	0.10						
S-3	3-Dec-09		7.49	7.55	0.06						
S-3	8-Dec-09		7.64	7.70	0.06						
S-3	17-Dec-09		7.39	7.47	0.08						
S-3	22-Dec-09		7.53	7.59	0.06						
S-3	28-Dec-09		6.61	6.67	0.06						
S-3	6-Jan-10		7.23	7.31	0.08						
S-3	11-Jan-10		7.47	7.54	0.07						
S-3	19-Jan-10		7.62	7.70	0.08						
S-3	25-Jan-10		7.08	7.11	0.03						
S-3	2-Feb-10		7.34	7.40	0.06						
S-3	8-Feb-10		7.45	7.52	0.07						
S-3	16-Feb-10		7.64	7.70	0.06						
S-3	22-Feb-10		7.52	7.54	0.02						
S-3	1-Mar-10		7.42	7.47	0.05						
S-3	8-Mar-10		7.51	7.57	0.06						
S-3	18-Mar-10		6.88	6.91	0.03						
S-3	24-Mar-10		6.83	6.87	0.04						
S-3	29-Mar-10		7.11	7.15	0.04						
S-3	21-Apr-10		7.37	7.42	0.05						
S-3	27-Apr-10		7.29	7.32	0.03						
S-3	4-May-10		7.37	7.40	0.03						
S-3	10-May-10		7.24	7.27	0.03						
S-3	19-May-10		6.67	6.72	0.05						
S-3	25-May-10		6.94	7.03	0.09						
S-3	2-Jun-10		7.01	7.11	0.10						
S-3	8-Jun-10		7.00	7.05	0.05						
S-3	16-Jun-10		7.09	7.13	0.04						
S-3	22-Jun-10		7.13	7.14	0.01						
SUMP	22-Jun-10			4.38							

Notes:
1) GCGIER = groundwater component of the groundwater ingestion exposure route; COCs = constituents of concern
2) mg/L = milligrams per Liter; TOC = top-of-casing
3) <0.005 = concentration less than the laboratory reporting limit
4) Bold = a concentration above the Tier 1 groundwater remediation objective(s) established in 35 Illinois Administrative Code Part 742
5) All groundwater samples were analyzed for methyl tertiary butyl ether (MTBE) and/or benzene, toluene, ethylbenzene, and total xylenes using United States Environmental Protection Agency Method 8020 or 8021
6) Shading = not available, not applicable, or not present; Sheen = a sheen of free product was present on the groundwater; BDL= concentration below the laboratory detection limit; FP = free product present
7) Groundwater elevations are relative to a site specific datum of 100 feet

TABLE 2

Soil Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes				COCs and Tier 1 Soil Remediation Objectives				
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)
SCGIER - Class I Groundwater				0.03	12	13	150	0.32
SCGIER - Class II Groundwater				0.17	29	19	150	0.32
Inhalation - Residential				0.8	650	400	320	8,800
Inhalation - Construction Worker				2.2	42	58	5.6	140
Ingestion - Residential				12	16,000	7,800	16,000	780
Ingestion - Construction Worker				2,300	410,000	20,000	41,000	2,000
Soil Saturation Limit				870	650	400	320	8,800
Sample ID	Date Sampled	Sample Depth (feet bls)	PID Reading (ppm)					
SB-1	21-Nov-90	4-5	20	<0.005	0.083	<0.005	0.085	
SB-2/MW-2	21-Nov-90	4-5	20	<0.005	0.11	0.29	1.8	
SB-3	21-Nov-90	4-5	>100	<0.005	0.2	0.22	2	
SB-4/MW-4	21-Nov-90	7-8	50	0.042	0.11	<0.005	<0.01	
SB-5/MW-5	21-Nov-90	9-10	0	0.041	0.11	<0.005	<0.01	
SB-6/MW-6	21-Nov-90	7-8	50	2.9	58	27	150	
SB-7/MW-7	21-Nov-90	7-8	200	0.27	33	20	120	
B-1	14-Jun-94	4-5.5	1	<0.002	<0.002	<0.002	<0.005	
B-2	14-Jun-94	1-3	10	<0.002	<0.002	<0.002	0.0085	
B-3	14-Jun-94	5-7	60	<0.002	<0.002	<0.002	0.342	
B-4	14-Jun-94	5-7	50	<0.002	<0.002	<0.002	0.098	
B-5	14-Jun-94	2-4	13	<0.002	<0.002	<0.002	<0.005	
B-6	14-Jun-94	2-4	500	<0.002	<0.002	<0.002	<0.005	
B-7	14-Jun-94			0.029	0.0168	0.219	0.066	
HA-1	27-Aug-97	7.5-8	0	<0.002	<0.002	<0.002	<0.005	
HA-2	27-Aug-97	7.5-8	12	<0.002	0.147	0.0068	0.376	
HA-3	27-Aug-97	7.5-8	212	8.21	92.4	39.4	238	
HA-4	27-Aug-97	6.0-6.5	284	1.45	6.06	3.46	44.5	
SB-19/MW-17	31-Oct-97	10-12	0	<0.01	<0.01	<0.01	<0.03	
SB-19/MW-17	31-Oct-97	20-22	0	<0.01	<0.01	<0.01	<0.03	
SB-20/MW-18	31-Oct-97	12-14	0	<0.01	<0.01	<0.01	<0.03	
SB-20/MW-18	31-Oct-97	20-22	0	<0.01	<0.01	<0.01	<0.03	
CB-1	25-Oct-99	6-8	104	0.2	0.35	0.72	<0.03	
CB-2	25-Oct-99	8-10	294	26	240	89	38	
CB-3	25-Oct-99	6-8	510	4.7	190	95	49	
CB-4	25-Oct-99	8-10	90	<0.12	1.9	3.4	200/<60	
CB-5	25-Oct-99	8-10	21.9	<0.028	<0.056	<0.056	37	
CB-6	25-Oct-99	4-6	6.6	<0.029	<0.058	<0.058	0.72	
CB-7	25-Oct-99	24-26	2.6	0.58	<0.063	<0.063	<0.6	
CB-8	25-Oct-99	22-24	6.3	0.57	<0.06	<0.06	<0.179	
CB-9	25-Oct-99	26-28	7.6	1.6	<0.06	<0.06	<0.178	
CB-10	25-Oct-99	10-12	2.6	<0.14	<0.28	<0.28	<0.167	
CB-11	26-Jul-00	10-12	321	0.7	13	5.9	3.9	
CB-12	26-Jul-00	6-8	553	<0.049	4.8	5.5	540	
CB-13	26-Jul-00	8-10	307	<0.03	0.11	0.085	590	
CB-14	26-Jul-00	8-10	514	<0.052	0.76	3.4	22.7	
CB-15	26-Jul-00	8-10	18	<0.03	<0.060	<0.060	<0.166	
CB-16	26-Jul-00	6-8	2.7	<0.021	<0.200	<0.2	<0.178	
CB-17	26-Jul-00	2-4	3.0	<0.029	<0.059	<0.059	<0.193	
CB-18	26-Jul-00	6-8	3.6	<0.029	<0.058	<0.058	<0.18	
CB-19	26-Jul-00	0-2	3.3	<0.029	<0.057	<0.057	<0.18	
CB-20	26-Jul-00	6-8	3.2	<0.018	<0.17	<0.17	<0.84	
MW-19	17-Aug-01	22-24		<0.029	<0.057	<0.057	<0.51	

TABLE 2

Soil Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes				COCs and Tier 1 Soil Remediation Objectives				
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)
SCGIER - Class I Groundwater				0.03	12	13	150	0.32
SCGIER - Class II Groundwater				0.17	29	19	150	0.32
Inhalation - Residential				0.8	650	400	320	8,800
Inhalation - Construction Worker				2.2	42	58	5.6	140
Ingestion - Residential				12	16,000	7,800	16,000	780
Ingestion - Construction Worker				2,300	410,000	20,000	41,000	2,000
Soil Saturation Limit				870	650	400	320	8,800
Sample ID	Date Sampled	Sample Depth (feet bls)	PID Reading (ppm)					
B-1a	17-Aug-01	4-6		<0.029	<0.058	<0.058	<0.167	
B-1b	17-Aug-01	16-18		<0.03	<0.06	<0.06	<0.178	
B-1c	17-Aug-01	22-24		<0.029	<0.058	<0.058	<0.18	
B-2a	16-Aug-01	8-10		<0.029	<0.057	<0.057	<0.178	
B-2b	16-Aug-01	16-18		<0.0079	<0.120	<0.12	<0.167	
B-2c	16-Aug-01	22-24		<0.029	<0.058	<0.058	<0.35	
B-3a	16-Aug-01	8-10		<0.03	<0.06	<0.06	<0.178	
B-3b	16-Aug-01	16-18		<0.03	<0.059	<0.059	<0.18	
B-3c	16-Aug-01	22-24		<0.03	<0.059	<0.059	<0.179	
B-4a	16-Aug-01	8-10		<0.029	<0.059	<0.059	<0.179	
B-4b	16-Aug-01	16-18		<0.029	<0.057	<0.057	<0.179	
B-4c	16-Aug-01	20-22		**0.034**	<0.066	<0.066	<0.167	
B-5a	16-Aug-01	8-10		<0.028	<0.057	<0.057	<0.196	
B-5b	16-Aug-01	10-12		**0.55**	<0.058	<0.058	<0.167	
B-5c	16-Aug-01	22-24		<0.029	<0.057	<0.057	<0.178	
B-6a	16-Aug-01	2-4		<0.029	<0.059	<0.059	<0.167	
B-6b	16-Aug-01	16-18		<0.03	<0.060	<0.060	<0.179	
B-6c	16-Aug-01	20-22		<0.03	<0.059	<0.059	<0.017	
RW-1	11-Apr-05	4	1.3	<0.024	<0.059	<0.059	<0.12	<0.059
MP-1	11-Apr-05	5-7	0.8	<0.025	<0.062	<0.062	<0.12	<0.062
MP-2	11-Apr-05	5-6	0.7	<0.024	<0.06	<0.06	<0.12	<0.06
MP-3	11-Apr-05	6-7	238	**0.15**	0.13	1.7	**8.197**	0.16
MP-4	11-Apr-05	5-6	24.5	<0.023	<0.059	<0.059	<0.12	<0.059
SB-21/MW-21	12-Apr-05	2-3	5.1	<0.027	<0.067	<0.067	<0.2	<0.067
SB-22/MW-22	12-Apr-05	3	1.7	<0.025	<0.063	<0.063	<0.19	<0.063
SB-24/MW-24	12-Apr-05	4-5	0.9	<0.024	<0.059	<0.059	<0.18	<0.059
SB-25/MW-25	12-Apr-05	4	0.6	<0.023	<0.058	<0.058	<0.17	<0.058
SB-26/MW-26	12-Apr-05	5-6	5.3	<0.003	<0.074	<0.074	<0.22	<0.074
SB-27/MW-27	12-Apr-05	3-4	1.6	<0.023	<0.058	<0.058	<0.17	<0.058
SB-28	12-Apr-05	5-7	0.6	<0.02	<0.05	<0.05	<0.15	<0.05
SB-29	12-Apr-05	7-8	1.2	<0.023	<0.058	<0.058	<0.17	<0.058
SB-23/MW-23	15-Apr-05	4-5	1.3	<0.023	<0.056	<0.056	<0.17	<0.056
SB-30/MW-28	15-Apr-05	4-5	0.9	<0.024	<0.059	<0.059	<0.18	<0.18
SB-31	1-Jun-06	7-8	0.0	<0.023	<0.057	<0.057	<0.11	<0.057
SB-41	2-Feb-09	4-5	901	**0.289**	0.619	0.0731	0.731	<0.056
SB-41	2-Feb-09	5-8	>9,999	**1.4**	**29.3**	**13.3**	**70.1**	**<0.673**
SB-42	2-Feb-09	2-3	0.0	<0.0236	<0.059	<0.059	<0.177	<0.059
SB-42	2-Feb-09	6-8	629	**0.0616**	0.378	0.101	0.722	<0.0537
SB-43	2-Feb-09	4-5	33.7	<0.0232	<0.058	<0.058	<0.174	<0.058
SB-43	2-Feb-09	6-8	70.8	**0.192**	0.0798	1.24	**6**	0.219
SB-44	2-Feb-09	2-4	38.1	<0.0229	<0.0572	<0.0572	<0.171	<0.0572
SB-44	2-Feb-09	6-8	9,914	**104**	**1,000**	**294**	**1,530**	**30.1**
SB-45	2-Feb-09	4-5	7.8	<0.0233	<0.0581	<0.0581	<0.174	<0.0581

TABLE 2

Soil Analytical Results

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Tier 1 Exposure Routes				COCs and Tier 1 Soil Remediation Objectives				
				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)
SCGIER - Class I Groundwater				0.03	12	13	150	0.32
SCGIER - Class II Groundwater				0.17	29	19	150	0.32
Inhalation - Residential				0.8	650	400	320	8,800
Inhalation - Construction Worker				2.2	42	58	5.6	140
Ingestion - Residential				12	16,000	7,800	16,000	780
Ingestion - Construction Worker				2,300	410,000	20,000	41,000	2,000
Soil Saturation Limit				870	650	400	320	8,800
Sample ID	Date Sampled	Sample Depth (feet bls)	PID Reading (ppm)					
SB-45	2-Feb-09	5-7	16.0	<0.0234	<0.0585	<0.0585	<0.176	<0.0585
SB-46	2-Feb-09	1.5-2	11.4	<0.0237	<0.0593	<0.0593	<0.178	<0.0593
SB-46	2-Feb-09	6-8	314	<0.023	<0.0576	0.245	0.461	0.116
SB-47	2-Feb-09	2-4	0.6	<0.0227	<0.0567	<0.0567	<0.17	<0.0567
SB-47	2-Feb-09	6-8	6.8	**0.0362**	<0.058	<0.058	<0.174	0.108
SB-48	2-Feb-09	2-4	0.0	<0.028	<0.0701	<0.0701	<0.21	<0.0701
SB-48	2-Feb-09	6-8	>9,999	**0.112**	0.94	0.557	3.51	<0.0577
SB-49	2-Feb-09	3-4	63.7	**0.709**	2.48	0.175	2.57	<0.0573
SB-49	2-Feb-09	4-8	7,109	**12.7**	**143**	**46.8**	**246**	**2.92**
SB-50	2-Feb-09	5-8	8.5	<0.0268	<0.0669	<0.0669	<0.201	<0.0669
SB-51/MW-29	15-May-09	5-7.5	82.3	**4.39**	**14.8**	2.17	11	<0.0591
SB-52/MW-30	15-May-09	7.5-9	1,496	**120**	**1,030**	**280**	**1,530**	**8.47**
SB-53/MW-31	15-May-09	7.5-8.75	1,660	**26.4**	**313**	**95.3**	**538**	**<2.71**
SB-54/MW-32	15-May-09	4-5	261	**0.159**	0.526	0.0798	0.446	<0.0537
RW-4	15-May-09	5-7.5	1,890	**37.7**	**337**	**85.2**	**465**	**<2.64**

Notes:

1) SCGIER = soil component of the groundwater ingestion exposure route; PID = photoionization detector; COCs = constituents of concern
2) mg/kg = milligrams per kilogram; ppm = parts per million; bls = below land surface
3) <0.065 = concentration less than the laboratory reporting limit
4) **Bold** = a concentration above the Tier 1 soil remediation objective(s) established in 35 Illinois Administrative Code Part 742
5) All soil samples were analyzed for methyl tertiary butyl ether (MTBE) and/or benzene, toluene, ethylbenzene, and total xylenes using United States Environmental Protection Agency Method 8020 or 8021
6) Shading = not applicable or the soil sample location has been resampled

Table 3

Free Product Recovery System Recovery Volumes

Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Lake County, Illinois 60084

Date	Total Free Product Removed (gallons)	Total Free Product and Groundwater Removed (gallons)	Wells Used for Recovery
17-Jun-09	Free Product System Installed		MW-29, MW-31, RW-3, RW-5
24-Jun-09	20.00	55.00	MW-29, MW-31, RW-3, RW-5
16-Jul-09	18.33	51.94	MW-29, MW-31, RW-3, RW-5
23-Jul-09	1.00	3.06	MW-29, MW-31, RW-3, RW-5
4-Aug-09	20.00	55.00	MW-29, MW-31, RW-3, RW-5
11-Aug-09	11.00	27.12	MW-29, MW-31, RW-3, RW-5
18-Aug-09	9.00	27.88	MW-29, MW-31, RW-3, RW-6
25-Aug-09	9.90	27.50	MW-29, MW-31, RW-3, RW-6
1-Sep-09	4.95	13.75	MW-29, MW-31, RW-3, RW-6
10-Sep-09	4.95	13.75	MW-29, MW-31, RW-3, RW-6
17-Sep-09	8.74	13.55	MW-29, MW-31, RW-3, RW-6
24-Sep-09	14.40	22.32	MW-29, MW-31, RW-3, RW-6
30-Sep-09	12.34	19.13	MW-29, MW-31, RW-3, RW-6
1-Oct-09	0.52	0.80	MW-29, MW-31, RW-3, RW-6
7-Oct-09	12.34	19.13	MW-29, MW-31, RW-3, RW-6
23-Oct-09	22.62	35.07	MW-29, MW-31, RW-3, RW-6
28-Oct-09	12.86	19.93	MW-29, MW-31, RW-3, RW-6
9-Nov-09	22.62	35.07	MW-29, MW-31, RW-3, RW-6
24-Nov-09	8.85	11.54	MW-29, MW-31, RW-3, RW-6
3-Dec-09	0.00	7.69	MW-29, MW-31, RW-3, RW-6
8-Dec-09	0.00	0.77	MW-29, MW-31, RW-3, RW-6
8-Dec-09	Free Product System Disconnected		
17-Dec-09	0.01	0.50	MW-29, MW-31, RW-3, RW-5
22-Dec-09	0.01	0.50	MW-29, MW-31, RW-3, RW-5
28-Dec-09	0.01	0.15	MW-29, MW-31, RW-3, RW-5
6-Jan-10	0.02	0.33	MW-29, MW-31, RW-3, RW-5
11-Jan-10	0.01	0.31	MW-29, MW-31, RW-3, RW-5
19-Jan-10	0.01	0.22	MW-29, MW-31, RW-3, RW-5
25-Jan-10	0.13	0.33	MW-29, MW-31, RW-3, RW-5
2-Feb-10	0.50	0.66	MW-29, MW-31, RW-3, RW-5
8-Feb-10	0.38	0.66	MW-29, MW-31, RW-3, RW-5
16-Feb-10	0.20	0.38	MW-29, MW-31, RW-3, RW-5
22-Feb-10	0.01	0.24	MW-29, MW-31, RW-3, RW-5
1-Mar-10	0.01	0.10	MW-29, MW-31, RW-3, RW-5
8-Mar-10	0.01	0.10	MW-29, MW-31, RW-3, RW-5
18-Mar-10	Free Product System Restarted		
23-Mar-10	16.66	50.00	MW-29, MW-31, RW-3, RW-6
13-Apr-10	18.33	55.00	MW-29, MW-31, RW-3, RW-6
21-Apr-10	3.18	55.00	MW-29, MW-31, RW-3, RW-6
27-Apr-10	2.43	4.85	MW-29, MW-31, RW-3, RW-6
4-May-10	5.66	50.15	MW-29, MW-31, RW-3, RW-5
10-May-10	11.16	21.03	MW-29, MW-31, RW-3, RW-5
19-May-10	2.39	30.78	MW-29, MW-31, RW-3, RW-5
25-May-10	1.60	3.19	MW-29, MW-31, RW-3, RW-5
2-Jun-10	31.18	38.26	MW-29, MW-31, RW-3, RW-5
8-Jun-10	6.28	16.74	MW-29, MW-31, RW-3, RW-5
16-Jun-10	39.86	55.00	MW-29, MW-31, RW-3, RW-5
22-Jun-10	8.37	8.77	MW-29, MW-31, RW-3, RW-5
Totals:	363	853	

Notes:
1) Volumes listed above are from the free product recovery system and skimmers only
2) Shading = not applicable

APPENDIX A

ANALYTICAL LABORATORY REPORTS AND CERTIFICATION – SOIL

Pace Analytical™
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

REV

4017433

Page: 1 of 1

Section A Required Client Information:
- Company: TriCore Environmental, LLC
- Address: 1800 W. Hawthorne Lane, Suite P, West Chicago, Illinois 60185
- Email To: miczako@comcast.net
- Phone: 630-520-9973 Fax 630-520-9976
- Requested Due Date/TAT: standard

Section B Required Project Information:
- Report To: Marcos I. Czako
- Copy To:
- Purchase Order No.: 100018
- Project Name: ~~Former Clark #646~~ Shivam 399
- Project Number: 100018

Section C Invoice Information:
- Attention: Shawn Rodeck
- Company Name: TriCore Environmental, LLC
- Address: 1800 W. Hawthorne Lane, Suite P
- Pace Quote Reference:
- Pace Project Manager:
- Pace Profile #:

REGULATORY AGENCY
- ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
- ☑ UST ☐ RCRA ☐ OTHER______

SITE LOCATION: ☐ GA ☐ IL ☑ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Filtered (Y/N): N N N N N N

Section D Required Client Information — SAMPLE ID. One Character per box. (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes — MATRIX / CODE: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WP; AR; OT; TS

	ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	BTEX and MTBE	Moisture	Flash Point	TCLP Lead	pH	Paint Filter	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
001	1	SB-51/MW-29 @ 5-7.5	SL	G			5/15/09	1100		3	1						2		X	X					N	4oz poly, 2-40ml F
002	2	SB-52/MW-30 @ 7.5-9	SL	G			5/15/09	0910		3	1						2		X	X					N	↓
003	3	SB-53/MW-31 @ 7.5-8.75	SL	G			5/15/09	0852		3	1						2		X	X					N	↓
004	4	SB-54/MW-32 @ 4-5	SL	G			5/15/09	0918		3	1						2		X	X					N	↓
005	5	RW-4 @ 5-7.5	SL	G			5/15/09	1030		3	1						2		X	X					N	↓
006	6	DISPOSAL	SL	G			5/15/09	1015		4	4										X	X	X	X	N	4-4oz ag
	7																									
	8																									
	9																									
	10																									
	11																									
	12																									

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
[signature] / sampler	5/15/09	1350	[signature]	5/15/09	1350		Y/N	Y/N	Y/N
[signature]	5/15/09	1700					Y/N	Y/N	Y/N
[signature]	5/16/09	905	[signature]	5/16/09	905	1.5	(Y)/N	(Y)/N	(Y)/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: Marcos I. Czako
- SIGNATURE of SAMPLER: [signature]
- DATE Signed (MM/DD/YY): 05/15/09

Sample Condition Upon Receipt

Pace Analytical

Client Name: TriCore Project # 4017433

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other Walt-co

Tracking #:

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals Intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used JB Type of Ice: Wet Blue None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 1.5° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/11/09 MKA

Comments:

Chain of Custody Present:	☒Yes	☐No	☐N/A
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A
Sufficient Volume:	☒Yes	☐No	☐N/A
Correct Containers Used:	☒Yes	☐No	☐N/A
-Pace Containers Used:	☒Yes	☐No	☐N/A
Containers Intact:	☒Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A
Sample Labels match COC:	☒Yes	☐No	☐N/A
-Includes date/time/ID/Analysis Matrix: S			
All containers needing preservation have been checked.	☐Yes	☐No	☒N/A
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No	
Samples checked for dechlorination:	☐Yes	☐No	☒N/A
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A
Trip Blank Present:	☐Yes	☐No	☒N/A
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A
Pace Trip Blank Lot # (if purchased):			

Comments	Initial when completed	Lot # of added preservative
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: LW Date: 5/18/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

This page can be completed online.

Illinois Environmental Protection Agency
Leaking Underground Storage Tank Program
Laboratory Certification for Chemical Analysis

A. Site Identification

IEMA Incident #: 892744, 903199 IEPA LPC# (10-digit): 0971855024

Site Name: Former Clark Retail Station #646

Site Address (Not a P.O. Box): 399 West Liberty Street

City: Wauconda County: Lake ZIP Code: 60084

B. Sample Collector

I certify that:

1. Appropriate sampling equipment/methods were utilized to obtain representative samples. MEC (initial)
2. Chain-of-custody procedures were followed in the field. MEC (initial)
3. Sample integrity was maintained by proper preservation. MEC (initial)
4. All samples were properly labeled. MEC (initial)

C. Laboratory Representative

I certify that:

1. Proper chain-of-custody procedures were followed as documented on the chain-of-custody forms YW (initial)
2. Sample integrity was maintained by proper preservation. YW (initial)
3. All samples were properly labeled. YW (initial)

0971855

This page can be completed online.

4. Quality assurance/quality control procedures were established and carried out. LW (initial)

5. Sample holding times were not exceeded. LW (initial)

6. SW-846 Analytical Laboratory Procedure (USEPA) methods were used for the analyses. LW (initial)

7. An accredited lab performed quantitative analysis using test methods identified in 35 IAC 186.180 (for samples collected on or after January 1, 2003). LW (initial)

D. Signatures

I hereby affirm that all information contained in this form is true and accurate to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sample Collector

Name: Marcos I. Czako

Title: Project Manager

Company: TriCore Environmental, LLC

Address: 1800 West Hawthorne Lane, Suite P

City, State, ZIP: West Chicago, Illinois 60185

Phone: 630-520-9973

Signature: [signature]

Date: 05/15/09

Laboratory Representative

Name: Laurie Wolfel

Title: Project Manager

Company: Pace Analytical

Address: 1241 Bellevue St

City, State, ZIP: Green Bay WI 54302

Phone: 920 469 2436

Signature: Laurie Wolfel

Date: 5/26/09

4017433

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 26, 2009

Marcos Czako
TriCore Environmental, LLC.
1800 West Hawthorne Lane
Suite P
West Chicago, IL 60185

RE: Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Dear Marcos Czako:
Enclosed are the analytical results for sample(s) received by the laboratory on May 16, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
South Carolina Certification #: 83006001
North Dakota Certification #: R-200
North Dakota Certification #: R-150
North Carolina Certification #: 503
North Carolina Certification #: 503
New York Certification #: 11887
New York Certification #: 11888
Minnesota Certification #: 055-999-334
Minnesota Certification #: 055-999-334
Louisiana Certification #: 04169
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200051
Illinois Certification #: 200050
Florida/NELAP Certification #: E87951
Florida/NELAP Certification #: E87948

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SAMPLE SUMMARY

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4017433001	SB-51/MW-29@5-7.5	Solid	05/15/09 11:00	05/16/09 09:05
4017433002	SB-52/MW-30@7.5-9	Solid	05/15/09 09:10	05/16/09 09:05
4017433003	SB-53/MW-31@7.5-8.75	Solid	05/15/09 08:52	05/16/09 09:05
4017433004	SB-54/MW-32@4-5	Solid	05/15/09 09:18	05/16/09 09:05
4017433005	RW-4@5-7.5	Solid	05/15/09 10:30	05/16/09 09:05
4017433006	DISPOSAL	Solid	05/15/09 10:15	05/16/09 09:05

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SAMPLE ANALYTE COUNT

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4017433001	SB-51/MW-29@5-7.5	ASTM D2974-87	MRN	1	PASI-G
		EPA 8021	PMS	6	PASI-G
4017433002	SB-52/MW-30@7.5-9	ASTM D2974-87	MRN	1	PASI-G
		EPA 8021	PMS	6	PASI-G
4017433003	SB-53/MW-31@7.5-8.75	ASTM D2974-87	MRN	1	PASI-G
		EPA 8021	PMS	6	PASI-G
4017433004	SB-54/MW-32@4-5	ASTM D2974-87	MRN	1	PASI-G
		EPA 8021	PMS	6	PASI-G
4017433005	RW-4@5-7.5	ASTM D2974-87	MRN	1	PASI-G
		EPA 8021	PMS	6	PASI-G
4017433006	DISPOSAL	ASTM D2974-87	MRN	1	PASI-G
		EPA 1010	MY	1	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 9045	DEY	1	PASI-G
		EPA 9095	DEY	1	PASI-G

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: SB-51/MW-29@5-7.5 **Lab ID: 4017433001** Collected: 05/15/09 11:00 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Med BTEX	Analytical Method: EPA 8021 Preparation Method: EPA 5030 Medium Soil							
Benzene	**4390**	ug/kg	23.6	1	05/20/09 09:54	05/20/09 18:33	71-43-2	
Ethylbenzene	**2170**	ug/kg	59.1	1	05/20/09 09:54	05/20/09 18:33	100-41-4	
Methyl-tert-butyl ether	**<59.1**	ug/kg	59.1	1	05/20/09 09:54	05/20/09 18:33	1634-04-4	
Toluene	**14800**	ug/kg	59.1	1	05/20/09 09:54	05/20/09 18:33	108-88-3	
Xylene (Total)	**11000**	ug/kg	177	1	05/20/09 09:54	05/20/09 18:33	1330-20-7	
a,a,a-Trifluorotoluene (S)	104	%	66-140	1	05/20/09 09:54	05/20/09 18:33	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.4**	%	0.10	1		05/19/09 07:48		

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: SB-52/MW-30@7.5-9 **Lab ID: 4017433002** Collected: 05/15/09 09:10 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Med BTEX	Analytical Method: EPA 8021 Preparation Method: EPA 5030 Medium Soil							
Benzene	**120000**	ug/kg	2730	125	05/20/09 09:54	05/20/09 18:58	71-43-2	
Ethylbenzene	**280000**	ug/kg	6830	125	05/20/09 09:54	05/20/09 18:58	100-41-4	
Methyl-tert-butyl ether	**8470**	ug/kg	6830	125	05/20/09 09:54	05/20/09 18:58	1634-04-4	
Toluene	**1030000**	ug/kg	6830	125	05/20/09 09:54	05/20/09 18:58	108-88-3	
Xylene (Total)	**1530000**	ug/kg	20500	125	05/20/09 09:54	05/20/09 18:58	1330-20-7	
a,a,a-Trifluorotoluene (S)	0	%	66-140	125	05/20/09 09:54	05/20/09 18:58	98-08-8	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.4**	%	0.10	1		05/19/09 07:48		

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: SB-53/MW-31@7.5-8.75 **Lab ID: 4017433003** Collected: 05/15/09 08:52 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Med BTEX	Analytical Method: EPA 8021 Preparation Method: EPA 5030 Medium Soil							
Benzene	**26400**	ug/kg	1080	50	05/20/09 09:54	05/20/09 19:24	71-43-2	
Ethylbenzene	**95300**	ug/kg	2710	50	05/20/09 09:54	05/20/09 19:24	100-41-4	
Methyl-tert-butyl ether	**<2710**	ug/kg	2710	50	05/20/09 09:54	05/20/09 19:24	1634-04-4	
Toluene	**313000**	ug/kg	2710	50	05/20/09 09:54	05/20/09 19:24	108-88-3	
Xylene (Total)	**538000**	ug/kg	8130	50	05/20/09 09:54	05/20/09 19:24	1330-20-7	
a,a,a-Trifluorotoluene (S)	0	%	66-140	50	05/20/09 09:54	05/20/09 19:24	98-08-8	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.7**	%	0.10	1		05/19/09 07:48		

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: SB-54/MW-32@4-5 **Lab ID: 4017433004** Collected: 05/15/09 09:18 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Med BTEX	Analytical Method: EPA 8021 Preparation Method: EPA 5030 Medium Soil							
Benzene	**159**	ug/kg	21.5	1	05/20/09 09:54	05/20/09 15:34	71-43-2	
Ethylbenzene	**79.8**	ug/kg	53.7	1	05/20/09 09:54	05/20/09 15:34	100-41-4	
Methyl-tert-butyl ether	**<53.7**	ug/kg	53.7	1	05/20/09 09:54	05/20/09 15:34	1634-04-4	
Toluene	**526**	ug/kg	53.7	1	05/20/09 09:54	05/20/09 15:34	108-88-3	
Xylene (Total)	**446**	ug/kg	161	1	05/20/09 09:54	05/20/09 15:34	1330-20-7	
a,a,a-Trifluorotoluene (S)	109	%	66-140	1	05/20/09 09:54	05/20/09 15:34	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.9**	%	0.10	1		05/19/09 07:48		

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: RW-4@5-7.5 **Lab ID: 4017433005** Collected: 05/15/09 10:30 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8021 GCV Med BTEX	Analytical Method: EPA 8021 Preparation Method: EPA 5030 Medium Soil							
Benzene	**37700**	ug/kg	1060	50	05/20/09 09:54	05/20/09 19:49	71-43-2	
Ethylbenzene	**85200**	ug/kg	2640	50	05/20/09 09:54	05/20/09 19:49	100-41-4	
Methyl-tert-butyl ether	**<2640**	ug/kg	2640	50	05/20/09 09:54	05/20/09 19:49	1634-04-4	
Toluene	**337000**	ug/kg	2640	50	05/20/09 09:54	05/20/09 19:49	108-88-3	
Xylene (Total)	**465000**	ug/kg	7930	50	05/20/09 09:54	05/20/09 19:49	1330-20-7	
a,a,a-Trifluorotoluene (S)	0	%	66-140	50	05/20/09 09:54	05/20/09 19:49	98-08-8	D3,S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**5.5**	%	0.10	1		05/19/09 07:48		

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ANALYTICAL RESULTS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

Sample: DISPOSAL **Lab ID: 4017433006** Collected: 05/15/09 10:15 Received: 05/16/09 09:05 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 05/19/09 00:00							
Lead	**<0.20**	mg/L	0.20	1	05/20/09 09:45	05/20/09 16:17	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.0**	%	0.10	1		05/19/09 07:58		
1010 Flashpoint,Closed Cup	Analytical Method: EPA 1010							
Flashpoint	**73.5**	deg F		1		05/19/09 14:30		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**8.0**	Std. Units	0.10	1		05/19/09 12:00		H6
9095 Paint Filter Liquid Test	Analytical Method: EPA 9095							
Free Liquids	**Pass**			1		05/19/09 11:43		

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QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: PMST/2486 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4017433001, 4017433002, 4017433003, 4017433004, 4017433005

SAMPLE DUPLICATE: 159088

Parameter	Units	4017164001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.9	9.2	8	10	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: PMST/2488
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4017433006

SAMPLE DUPLICATE: 159121

Parameter	Units	4017083001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.6	7.7	2	10	

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QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: WET/3613
QC Batch Method: EPA 9095
Analysis Method: EPA 9095
Analysis Description: 9095 PAINT FILTER LIQUID TEST
Associated Lab Samples: 4017433006

SAMPLE DUPLICATE: 159455

Parameter	Units	4017350006 Result	Dup Result	RPD	Max RPD	Qualifiers
Free Liquids		Pass	Pass			

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QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: WET/3615
QC Batch Method: EPA 1010
Analysis Method: EPA 1010
Analysis Description: 1010 Flash Point, Closed Cup
Associated Lab Samples: 4017433006

SAMPLE DUPLICATE: 159666

Parameter	Units	1094387001 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	148	170			2j

SAMPLE DUPLICATE: 159667

Parameter	Units	4017433006 Result	Dup Result	RPD	Max RPD	Qualifiers
Flashpoint	deg F	73.5	73.5			1j

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QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: GCV/3416 Analysis Method: EPA 8021
QC Batch Method: EPA 5030 Medium Soil Analysis Description: 8021 Med Level Solid GCV
Associated Lab Samples: 4017433001, 4017433002, 4017433003, 4017433004, 4017433005

METHOD BLANK: 159795 Matrix: Solid
Associated Lab Samples: 4017433001, 4017433002, 4017433003, 4017433004, 4017433005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	<20.0	20.0	05/20/09 10:54	
Ethylbenzene	ug/kg	<50.0	50.0	05/20/09 10:54	
Methyl-tert-butyl ether	ug/kg	<50.0	50.0	05/20/09 10:54	
Toluene	ug/kg	<50.0	50.0	05/20/09 10:54	
Xylene (Total)	ug/kg	<150	150	05/20/09 10:54	
a,a,a-Trifluorotoluene (S)	%	107	66-140	05/20/09 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 159796 159797

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	1000	987	1010	99	101	80-120	2	20	
Ethylbenzene	ug/kg	1000	1040	1060	104	106	80-120	2	20	
Methyl-tert-butyl ether	ug/kg	1000	942	966	94	97	80-120	3	20	
Toluene	ug/kg	1000	1030	1070	103	107	80-120	4	20	
Xylene (Total)	ug/kg	3000	3070	3120	102	104	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				104	105	66-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 159798 159799

Parameter	Units	4017287001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	45.8	1140	1140	1160	1180	98	99	72-131	1	20	
Ethylbenzene	ug/kg	375	1140	1140	2150	2650	155	199	69-140	21	20	M0,R1
Methyl-tert-butyl ether	ug/kg	<5.0	1140	1140	1090	1090	95	96	70-138	.5	20	
Toluene	ug/kg	809	1140	1140	2380	3100	138	200	78-132	26	20	M0,R1
Xylene (Total)	ug/kg	5780	3430	3430	15300	18500	278	372	76-134	19	20	M0
a,a,a-Trifluorotoluene (S)	%						121	130	66-140			3j

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: MPRP/2568
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4017433006

METHOD BLANK: 160009
Matrix: Water
Associated Lab Samples: 4017433006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.20	0.20	05/20/09 15:55	

LABORATORY CONTROL SAMPLE: 160010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.49	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 160011 160012

Parameter	Units	4017350006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	<0.20	.5	.5	0.47	0.47	92	92	75-125	.04	20	

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

QC Batch: WET/3639
QC Batch Method: EPA 9045
Analysis Method: EPA 9045
Analysis Description: 9045 pH
Associated Lab Samples: 4017433006

SAMPLE DUPLICATE: 161033

Parameter	Units	4017433006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.2	3	5	H6

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 100018 SHIVAM 399
Pace Project No.: 4017433

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

1j	RPD of 0.0
2j	RPD of 14
3j	Results are from sample aliquot taken from a vial with headspace.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
H6	Analysis initiated more than 15 minutes after sample collection.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

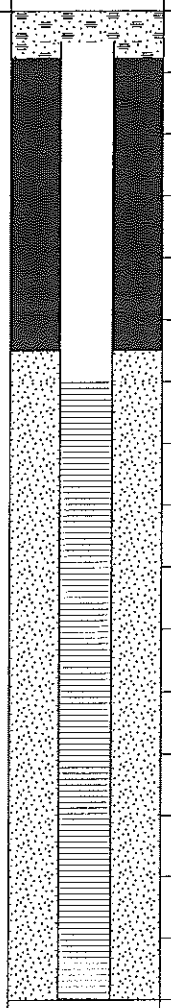
APPENDIX B

SOIL BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

RW-3

TriCore Environmental, LLC

Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
Boring Dia:	10.25 Inches	DTW While Drilling:	NA Feet	M. Czako

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
			5 10 15		No soil samples were collected since the well was installed adjacent to SB-41. See soil boring log SB-41 for lithological description.

Completion Notes:

4" sch 40, PVC casing from 0.5' to 6' bls; 4" sch 40, 0.010" slotted PVC screen from 6' to 16' bls. Backfilled with sand from 16' to 5.5' bls, hydrated bentonite from 5.5' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 Page 1

SB-41

TriCore Environmental, LLC

Drill Method:	Direct-Push	Date Drilled:	02/02/09	Logged By:
Boring Dia:	2.125 Inches	DTW While Drilling:	8 Feet	M. Czako

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
				PT	Grass and topsoil
	0.0			CL	Brown silty CLAY, some organics, no odor, slightly moist, soft
	0.0			CL	Brown silty CLAY, some organics, trace sand, no odor, slightly moist, soft
	104				
	901 (lab)			CL	Brown silty CLAY, some organics, trace sand and gravel, no odor, slightly moist, soft
			5		Brown fine grained SAND, slight odor, moist
	> 9,999 (lab)			SP	
	7,754			SP	Gray fine grained SAND, odor, saturated @ 8'
			10		Gray fine grained SAND, slight odor, saturated
	81.0				
	679			SP	
	138		15		

Completion Notes:

Backfilled with bentonite from 16' to 0.25' bls. Capped with grass.

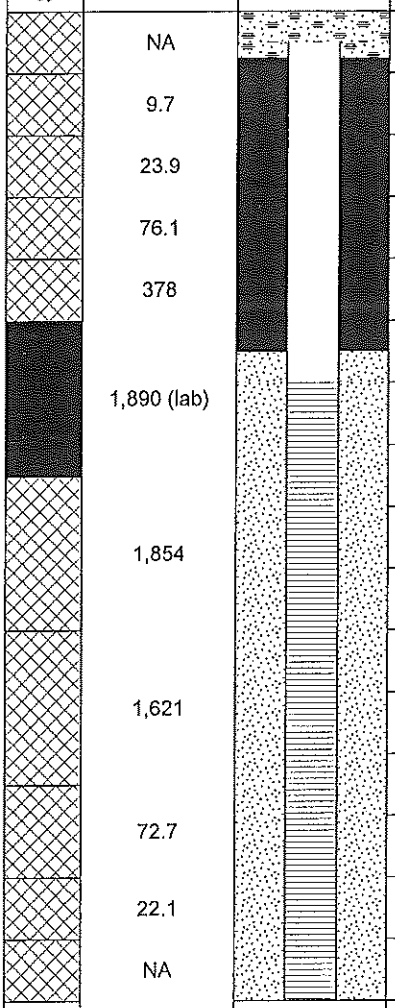
Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

RW-4

TriCore Environmental, LLC

Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
Boring Dia:	10.25 Inches	DTW While Drilling:	7.5 Feet	M. Czako



Sample	PID (ppm)	Depth (feet)	Lithology	Description
	NA		Concrete	Concrete
			GW	Gravel fill material
	9.7		CL	Brown CLAY, trace gray silt, slight odor, slightly moist
	23.9		CL	Brown CLAY, trace gray silt, trace sand and gravel, slight odor, slightly moist
	76.1		CL	Gray silty brown CLAY, slight odor, slightly moist
	378		CL	no odor
	1,890 (lab)	5	SP	Brown fine grained SAND, odor, moist, saturated @ 7.5'
	1,854			Gray fine grained SAND, odor, black staining from 9.25' to 9.5', saturated
	1,621	10	SP	
	72.7			
	22.1			Gray fine grained SAND, no odor, saturated
	NA	15	SP	

Completion Notes:

4" sch 40, PVC casing from 0.5' to 6' bls; 4" sch 40, 0.010" slotted PVC screen from 6' to 16' bls. Backfilled with sand from 16' to 5.5' bls, hydrated bentonite from 5.5' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

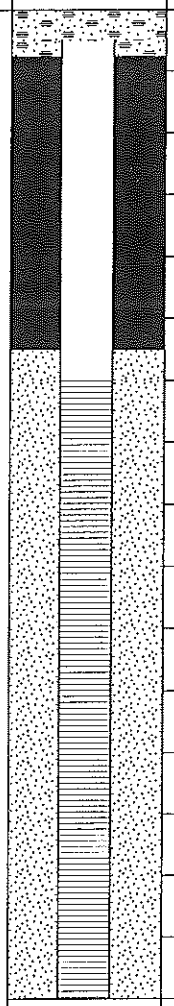
Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

RW-5

TriCore Environmental, LLC

Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
Boring Dia:	10.25 Inches	DTW While Drilling:	NA Feet	M. Czako

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
			5 10 15		No soil samples were collected since the well was installed adjacent to SB-44. See soil boring log SB-44 for lithological description.

Completion Notes:

4" sch 40, PVC casing from 0.5' to 6' bls; 4" sch 40, 0.010" slotted PVC screen from 6' to 16' bls. Backfilled with sand from 16' to 5.5' bls, hydrated bentonite from 5.5' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018

SB-44

TriCore Environmental, LLC

Drill Method:	Direct-Push	Date Drilled:	02/02/09	Logged By:
Boring Dia:	2.125 Inches	DTW While Drilling:	8 Feet	M. Czako

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
				Concrete	Concrete
	NA			GW	Gravel fill material
	0.0			CL	Brown silty CLAY, trace sand and gravel, no odor, slightly moist
	38.1 (lab)			CL	Brown silty CLAY, little gray silt, trace sand and gravel, semi-stiff, slight odor, slightly moist
	24.0				
	427		5		
	9,914 (lab)			SP	Brown fine grained SAND, odor, moist
	1,021				Gray fine grained SAND, odor, saturated @ 8'
	675		10	SP	
	161				
	4.7		15	SP	Gray fine grained SAND, no odor, saturated

Completion Notes:

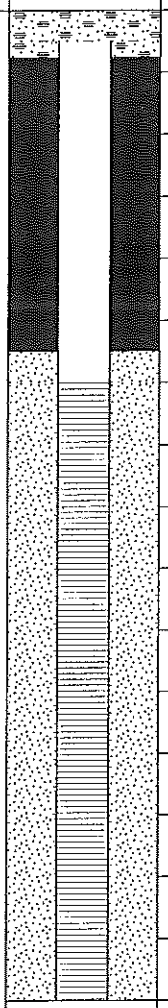
Backfilled with bentonite from 16' to 0.25' bls. Capped with concrete.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

RW-6

TriCore Environmental, LLC	Drill Method: HSA	Date Drilled: 05/15/09	Logged By: M. Czako
	Boring Dia: 10.25 Inches	DTW While Drilling: NA Feet	

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
			5 10 15		No soil samples were collected since the well was installed adjacent to SB-45. See soil boring log SB-45 for lithological description.

Completion Notes:

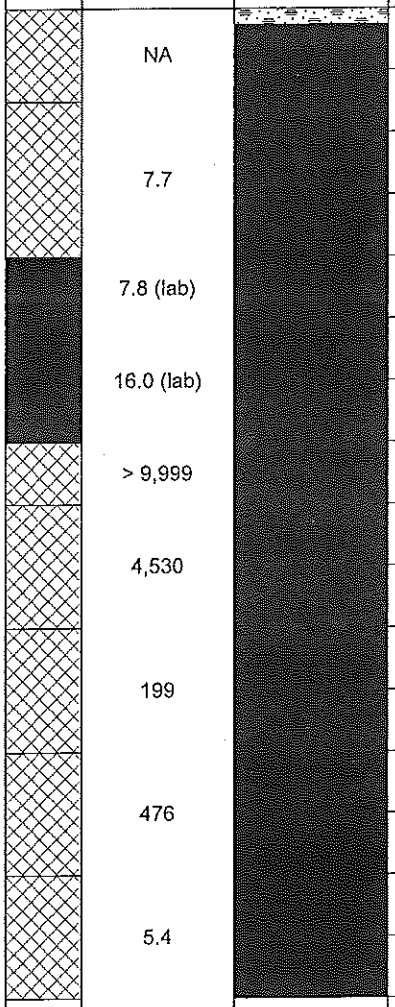
4" sch 40, PVC casing from 0.5' to 6' bls; 4" sch 40, 0.010" slotted PVC screen from 6' to 16' bls. Backfilled with sand from 16' to 5.5' bls, hydrated bentonite from 5.5' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

SB-45

TriCore Environmental, LLC	Drill Method: Direct-Push	Date Drilled: 02/02/09	Logged By:
	Boring Dia: 2.125 Inches	DTW While Drilling: 7 Feet	M. Czako



Sample	PID (ppm)	Depth (feet)	Lithology	Description
			Concrete	Concrete
	NA		GW	Gravel fill material
	7.7		CL	Brown silty CLAY, trace silt, sand and gravel, stiff, no odor, slightly moist
	7.8 (lab)	5		
	16.0 (lab)			
	> 9,999		CL	Grayish-brown silty CLAY, trace silt, sand and gravel, stiff, no odor, saturated @ 7'
			SP	Brown fine grained SAND, odor, saturated
	4,530			Gray fine grained SAND, odor, saturated
		10		
	199		SP	
	476			
				Gray fine grained SAND, no odor, saturated
	5.4	15	SP	

Completion Notes:

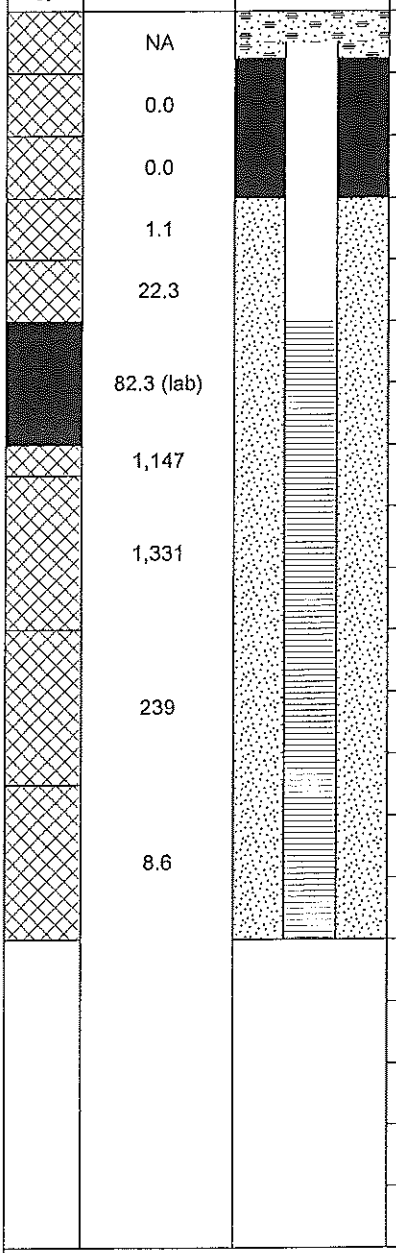
Backfilled with bentonite from 16' to 0.25' bls. Capped with concrete.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018

SB-51/MW-29

TriCore Environmental, LLC	Drill Method: HSA	Date Drilled: 05/15/09	Logged By: M. Czako
	Boring Dia: 8.25 Inches	DTW While Drilling: 7 Feet	



Sample	PID (ppm)	Depth (feet)	Lithology	Description
	NA		Concrete	Concrete
	0.0		GW	Gravel fill material
	0.0		CL	Brown and dark brown CLAY, trace sand and silt, no odor, slightly moist
	1.1		CL	Brown CLAY, trace sand, silt, and organics, no odor, slightly moist
	22.3	5	CL	Brown and gray silty CLAY, trace sand, no odor, slightly moist
	82.3 (lab)		CL	odor
	1,147		SP	Brown SAND, fine grained, odor, saturated @ 7'
	1,331	10	SP	Gray SAND, fine grained, odor, saturated
	239			no odor
	8.6	15	SP	

Completion Notes:

2" sch 40, PVC casing from 0.5' to 5' bls; 2" sch 40, 0.010" slotted PVC screen from 5' to 15' bls. Backfilled with sand from 15' to 3' bls, hydrated bentonite from 3' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

SB-52/MW-30

TriCore Environmental, LLC	Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
	Boring Dia:	8.25 Inches	DTW While Drilling:	9 Feet	M. Czako

Sample	PID (ppm)	Completion	Depth (feet)	Lithology	Description
				PT	Grass
	NA			PT	Topsoil
	0.0			CL	Brown and gray silty CLAY, trace sand, no odor, slightly moist
	0.0				
	0.0			CL	Brown and tan silty CLAY, some sand, no odor, slightly moist
	64.8			SM	Tan and gray SAND and SILT, fine grained, trace brown clay, odor, moist
			5		
	70.9			SP	Brown SAND, fine grained, odor, moist, saturated @ 9'
	1,496 (lab)				
	1,584		10		Gray SAND, fine grained, odor, saturated
	1,725			SP	
	432				
	18.7			SP	no odor
			15		

Completion Notes:

2" sch 40, PVC casing from 0.5' to 5' bls; 2" sch 40, 0.010" slotted PVC screen from 5' to 15' bls. Backfilled with sand from 15' to 3' bls, hydrated bentonite from 3' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

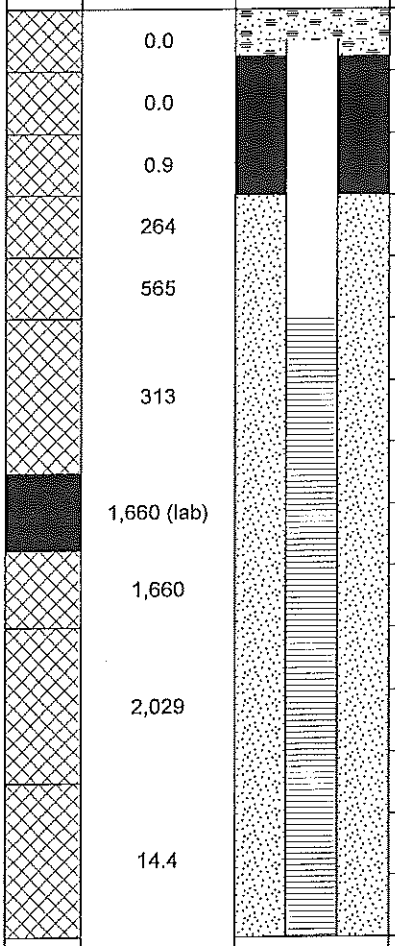
Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

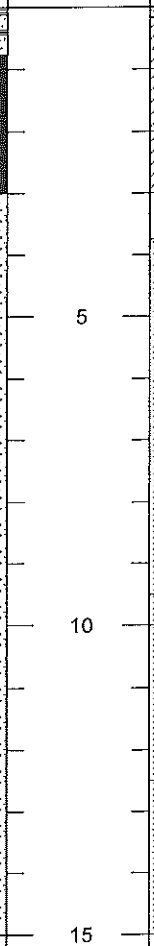
Project No.: 100018 | Page 1

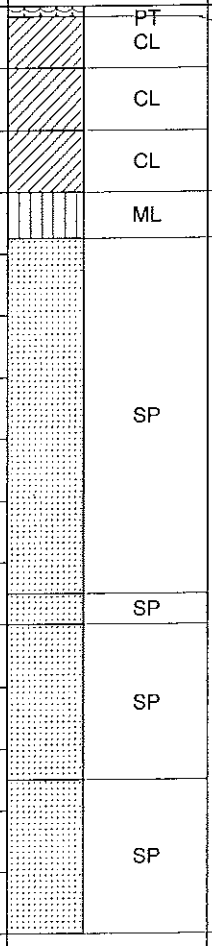
SB-53/MW-31

TriCore Environmental, LLC

Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
Boring Dia:	8.25 Inches	DTW While Drilling:	8.75 Feet	M. Czako







Description
Grass
Dark brown CLAY, trace silt and organics, no odor, moist
Dark brown and brown CLAY, trace silt, fine grained sand, and organics, no odor, slightly moist
Brown silty CLAY, no odor, slightly moist
Brown and gray SILT, trace clay, odor, slightly moist
Brown SAND, fine grained, odor, slightly moist, saturated @ 8.75'
Gray SAND, fine grained, odor, saturated
Gray SAND, fine grained, odor, saturated, sheen
Gray SAND, fine grained, odor, saturated

Completion Notes:

2" sch 40, PVC casing from 0.5' to 5' bls; 2" sch 40, 0.010" slotted PVC screen from 5' to 15' bls. Backfilled with sand from 15' to 3' bls, hydrated bentonite from 3' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

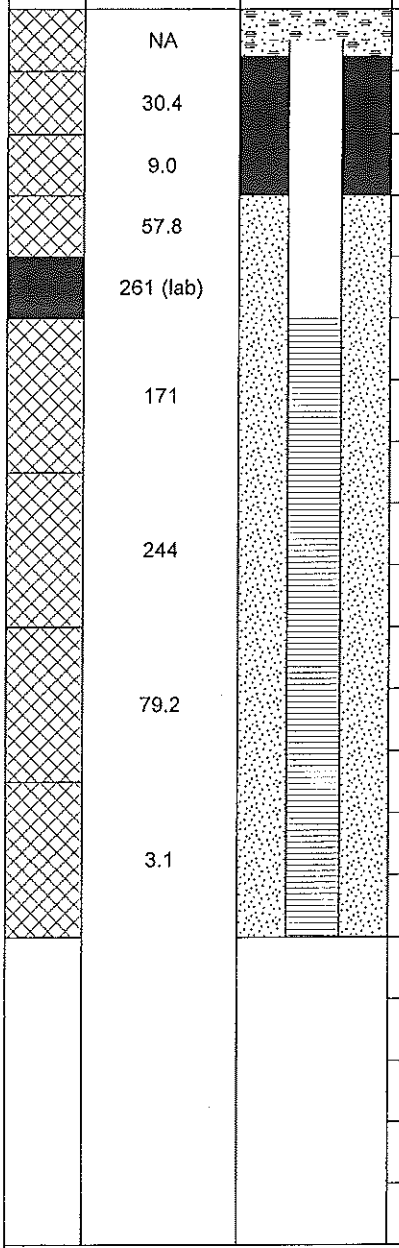
Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018 | Page 1

SB-54/MW-32

TriCore Environmental, LLC

Drill Method:	HSA	Date Drilled:	05/15/09	Logged By:
Boring Dia:	8.25 Inches	DTW While Drilling:	7.5 Feet	M. Czako



Sample	PID (ppm)	Depth (feet)	Lithology	Description
	NA		PT	Grass
			PT	Topsoil
	30.4		CL	Brown and gray silty CLAY, trace sand, no odor, slightly moist
	9.0		CL	Brown CLAY, trace sand and silt, no odor, slightly moist
	57.8		SP	Brown SAND, fine grained, slight odor, slightly moist
	261 (lab)		SP	odor
		5		
	171		SP	Brownish orange and brown SAND, fine grained, odor, slightly moist, saturated @ 7.5'
	244		SP	Gray SAND, fine grained, odor, saturated
		10		
	79.2		SP	slight odor
	3.1		SP	no odor
		15		

Completion Notes:

2" sch 40, PVC casing from 0.5' to 5' bls; 2" sch 40, 0.010" slotted PVC screen from 5' to 15' bls. Backfilled with sand from 15' to 3' bls, hydrated bentonite from 3' to 0.75' bls. Capped with concrete. 8" manhole installed flush to surface.

Site:
Shivam Energy, Inc.
399 West Liberty Street
Wauconda, Illinois 60084
IEMA No.: 892744 and 903199
LPC No.: 0971855024

Project No.: 100018

APPENEDIX C

WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	0434825101
2. Page 1 of	
3. Emergency Response Phone	(630)529-0240
4. Manifest Tracking Number	005349636 JJK

5. Generator's Name and Mailing Address
North Branch Environmental
7 N 452 Garden ave
Roselle, Il 60172

Generator's Phone: (630)529-0240

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental — UPM0350461IL
U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Ostrock
7601 W. 47th street
McCook, Il 60525

Facility's Phone: (708)762-5110

U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	1180	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 84591 / 84594 / 87596

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Fred Colon | Signature: [signature] | Month 07 Day 01 Year 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Fred Colon | Signature: [signature] | Month 07 Day 01 Year 09
Transporter 2 Printed/Typed Name: | Signature: | Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name | Signature | Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 005349700 JJK

GENERATOR

5. Generator's Name and Mailing Address
North Branch Environmental
7 N 458 Garden ave
Roselle, IL 60172 (630)529-0240
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental — UIL#035046IL — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Ortech
7501 W. 47th street
McCook, IL 60525 (708)762-5119
Facility's Phone:

U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid waste NOS	001	DT	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Work order # 70052

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month 7 Day 31 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month 7 Day 31 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month 7 Day 24 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0434825101
2. Page 1 of
3. Emergency Response Phone: (630)529-0240
4. Manifest Tracking Number: 005349768 JJK

5. Generator's Name and Mailing Address:
North Branch Environmental
7 N 458 Garden ave
Roselle, Il 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental UPM035046IIL
U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address:
Orteck
7601 W. 47th street
McCook, Il 60525
Facility's Phone: (708)762-5119
U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
88785
Work order 90200

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Fred Colon Signature: Fred Colon Month Day Year: 08 05 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Fred Colon Signature: Fred Colon Month Day Year: 08 05 09
Transporter 2 Printed/Typed Name Signature Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Lowell Aughenbaugh Signature Month Day Year: 8 5 09

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0434825101
2. Page 1 of
3. Emergency Response Phone: (630)529-0240
4. Manifest Tracking Number: 005349794 JJK

5. Generator's Name and Mailing Address:
North Branch Environmental
7 N 458 Garden ave
Roselle, Il 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental UPM035046IIL — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number: 0311740001
Ortek
7801 W. 47th street
McCook, Il 60525 (708)762-5119

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 90149

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Steve McHenry [illegible] — Signature: [signature] — Month 8 Day 17 Year 07

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Steve McHenry [illegible] — Signature: [signature] — Month 8 Day 17 Year 07
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

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GENERATOR'S INITIAL COPY

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	0434825101		(630)529-0240	005349975 JJK

GENERATOR

5. Generator's Name and Mailing Address: North Branch Environmental, 7 N 458 Garden ave, Roselle, Il 60172 (630)529-0240
Generator's Site Address (if different than mailing address)
Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental — UPI 1035046 IL — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Ortek, 7601 W. 47th street, McCook, Il 60525 — U.S. EPA ID Number: 0311740001
Facility's Phone: (708)762-5119

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
5761
Work order 90843

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RICH GRABINSKI — Signature — Month: 9 — Day: 11 — Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RICH GRABINSKI — Signature — Month: 9 — Day: 11 — Year: 09

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month: 9 — Day: 11 — Year: 09

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TRANSPORTER'S COPY

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number IL3468251O1	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 005390574 JJK

GENERATOR

5. Generator's Name and Mailing Address: North Branch Environmental, 7N 458 Garden ave, Roselle, IL 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental — USM025046IL — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Orteck, 7601 W. 47th street, McCook, IL 60525 (708)782-5119 — U.S. EPA ID Number: 0311740001

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 90357

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Steve Mortenbrink — Signature — Month 10 Day 01 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steve Mortenbrink — Signature — Month 10 Day 01 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
0434825101		(630)529-0240	005390675 JJK

5. Generator's Name and Mailing Address
North Branch Environmental
7 W 458 Garden ave
Roselle, Il 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental [illegible] — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Ortek
7601 W. 47th street
McCook, Il 60525 (708)762-5110
U.S. EPA ID Number: [illegible]

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non Hazardous Liquid	001	tt	55	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 91015

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: RICH GRABINSKI — Signature: [signature] — Month 10 Day 23 Year 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RICH GRABINSKI — Signature: [signature] — Month 10 Day 23 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
0434825101 (630)529-0240
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **GENERATOR'S INITIAL COPY**

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
0434823101		(630)529-0240	005390829 JJK

GENERATOR

5. Generator's Name and Mailing Address
North Branch Environmental
7 N 458 Garden ave
Roselle, IL 60172 (630)529-0240
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental — U.S. EPA ID Number: UPM0350461IL

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Orteck
7601 W. 47th street
McCook, IL 60525 (708)762-5119
Facility's Phone:

U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1175
Work order 90882

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rich (~RABINSKI) — Signature — Month/Day/Year: 11/10/07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rich (~RABINSKI) — Signature — Month/Day/Year: 11/10/07

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month/Day/Year: 11/13/07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
043825101		(630)529-0240	005390878 JJK

GENERATOR

5. Generator's Name and Mailing Address
North Branch Environmental
7N 458 Garden ave
Roselle, IL 60172 (630)529-0240
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental — U.S. EPA ID Number: UPM0350461IL — ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Orteck
7601 W. 47th street
McCook, IL 60525 (708)762-5110
Facility's Phone:

U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	TT	40		
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
90554 Work order 91200/91314

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Fred Colon — Signature: Fred Colon — Month 12 Day 10 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Fred Colon — Signature: Fred Colon — Month 12 Day 10 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name — Signature — Month 12 Day 10 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. TRANSPORTER'S COPY

209 Liberty St. Waukegan IL 60085

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	[illegible]
2. Page 1 of	
3. Emergency Response Phone	[illegible]
4. Manifest Tracking Number	005392226 JJK

5. Generator's Name and Mailing Address

North Branch Environmental [illegible]
[illegible] Garden ave
Roselle, IL 60172 (630) 529-[illegible]

Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name

[illegible] U.S. EPA ID Number [illegible]

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address U.S. EPA ID Number

ORTEK
7601 W 47 St.
McCook IL

~~Liquid Environmental Solutions~~
~~12123 S Stoney Island Ave~~
~~Chicago, IL 60633~~ (773) 646-9700

Facility's Phone:

IL[illegible]115207

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non Hazardous by DOT, Leachate	001	tt	50	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 9154

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

CLARK STATION
FROM: 900 LIBERTY

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
0434625101		(630)529-0240	005392332 JJK

GENERATOR

5. Generator's Name and Mailing Address

North Branch Environmental
7 N 458 Garden ave
Roselle, IL 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

North Branch Environmental | ILR000052977

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Orteck
7601 W. 47th street
McCook, IL 60525 (708)762-5119 | 031174000l

Facility's Phone:

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Work order 91944

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

09 | 15 | 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

09 | 15 | 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	0434835101		(630)529-0240	005392405 JJK

GENERATOR

5. Generator's Name and Mailing Address

North Branch Environmental
714 458 Garden ave
Roselle IL 60172 (630)529-0240

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

North Branch Environmental | UPM035046111 | IL FO00052977

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Ortech
7601 W. 47th street
McCook, IL 60525 (708)782-5119

0311740001

Facility's Phone:

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

92399 Work order 92076

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: STEVE MCELHENBRENE | Signature | Month: 5 | Day: 5 | Year: 10

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: STEVE MCELHENBRENE | Signature | Month: 5 | Day: 5 | Year: 10

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Lauren Rabenhorst | Signature | Month: 5 | Day: 5 | Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0434825101
2. Page 1 of
3. Emergency Response Phone: (630)529-0240
4. Manifest Tracking Number: 007280003 JJK

5. Generator's Name and Mailing Address:
North Branch Environmental
7 N 458 Garden ave
Roselle, Il 60172 (630)529-0240
Generator's Phone:
Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental UPM035046IIL
U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address:
Orteck
7601 W. 47th street
McCook, Il 60525 (708)762-5119
Facility's Phone:
U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	g	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Work order 12004

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Steve Moellenbrink — Signature: [signature] — Month 5 Day 25 Year 15

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Steve Moellenbrink — Signature: Steve Moell — Month 5 Day 25 Year 15
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number 0434825101	2. Page 1 of	3. Emergency Response Phone (630)529-0240	4. Manifest Tracking Number 007280106 JJK

GENERATOR

5. Generator's Name and Mailing Address: North Branch Environmental, 7 N 458 Garden ave, Roselle, Il 60172 (630)529-0240

Generator's Site Address (if different than mailing address):

Generator's Phone:

6. Transporter 1 Company Name: North Branch Environmental — UPM035046IL — U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Stericycle, 7601 W. 47th street, McCook, Il 60525 (708)752-5119 — U.S. EPA ID Number: 0311740001

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid WATER	001	tt	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: Work order 92330 — 72727

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Rick CRADDock — Signature: [signature] — Month 6 Day 10 Year 10

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Rick CRADDock — Signature: [signature] — Month 6 Day 10 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. — TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 0434825101 | 2. Page 1 of | 3. Emergency Response Phone: (630)529-0240 | 4. Manifest Tracking Number: 007280114 JJK

GENERATOR

5. Generator's Name and Mailing Address
North Branch Environmental
7 N 458 Garden ave
Roselle, IL 60172 (630)529-0240
Generator's Phone:

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: North Branch Environmental | UEM0350461IL | U.S. EPA ID Number: ILR000052977

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Onyx
7601 W. 47th street
McCook, IL 60525 (708)762-5119
Facility's Phone:

U.S. EPA ID Number: 0311740001

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-Hazardous Liquid	001	tt	55	G	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional information
PO 192579 Work order 924856

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Steve Mortenbrink | Signature | Month 6 Day 17 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steve Mortenbrink | Signature | Month 6 Day 17 Year 10

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

APPENDIX D

FREE PRODUCT REMOVAL BUDGET

General Information for the Budget and Billing Forms

LPC #: 0971855024 County: Lake

City: Wauconda Site Name: Shivam Energy, Inc.

Site Address: 399 West Liberty Street

IEMA Incident No.: 892744 903199 _____ _____

IEMA Notification Date: Dec 27, 1989 Oct 30, 1990 _____ _____

Date this form was prepared: Jun 22, 2010

This form is being submitted as a (check one, if applicable):

- ☐ Budget Proposal
- ☒ Budget Amendment (Budget amendments must include only the costs over the previous budget.)
- ☐ Billing Package

  Please provide the name(s) and date(s) of report(s) documenting the costs requested:

  Name(s): _____ _____ _____

  Date(s): _____ _____ _____

This package is being submitted for the site activities indicated below:

35 Ill. Adm. Code 734:

- ☐ Early Action
- ☒ Free Product Removal after Early Action
- ☐ Site Investigation . . . . . Stage 1: ☐ Stage 2: ☐ Stage 3: ☐
- ☐ Corrective Action Actual Costs

35 Ill. Adm. Code 732:

- ☐ Early Action
- ☐ Free Product Removal after Early Action
- ☐ Site Classification
- ☐ Low Priority Corrective Action
- ☐ High Priority Corrective Action

35 Ill. Adm. Code 731:

- ☐ Site Investigation
- ☐ Corrective Action

General Information for the Budget and Billing Forms

The following address will be used as the mailing address for checks and any final determination letters regarding payment from the Fund.

Pay to the order of: Shivam Energy, Inc.

Send in care of: Mr. Shawn Rodeck

Address: P.O. Box 825

City: Warrenville State: Illinois Zip: 60555-0825

The payee is the: Owner ☒ Operator ☐ (Check one or both.)

Rajani Patel

Signature of the owner or operator of the UST(s) (required)

If you have a change of address, click here to print off a W-9 Form.

Number of petroleum USTs in Illinois presently owned or operated by the owner or operator; any subsidiary, parent or joint stock company of the owner or operator; and any company owned by any parent, subsidiary or joint stock company of the owner or operator:

Fewer than 101: ☒ 101 or more: ☐

Number of USTs at the site: 4 (Number of USTs includes USTs presently at the site and USTs that have been removed.)

Number of incidents reported to IEMA for this site: 3

Incident Numbers assigned to the site due to releases from USTs: 892744 903199

Please list all tanks that have ever been located at the site and tanks that are presently located at the site.

Product Stored in UST	Size (gallons)	Did UST have a release?	Incident No.	Type of Release Tank Leak / Overfill / Piping Leak
Gasoline	6,000	Yes ☒ No ☐	892744	Tank Leak
(same UST as above)	6,000	Yes ☒ No ☐	903199	Tank Leak
Gasoline	6,000	Yes ☒ No ☐	892744	Tank Leak
(same UST as above)	6,000	Yes ☒ No ☐	903199	Tank Leak
Gasoline	10,000	Yes ☐ No ☒	NA	
Gasoline	10,000	Yes ☐ No ☒	NA	
		Yes ☐ No ☐		
		Yes ☐ No ☐		
		Yes ☐ No ☐		

Add More Rows Undo Last Add

Budget Summary

Choose the applicable regulation: (•) 734 ( ) 732

734	Free Product	Stage 1 Site Investigation	Stage 2 Site Investigation	Stage 3 Site Investigation	Corrective Action
	Proposed	N/A	N/A	N/A	N/A
Drilling and Monitoring Well Costs Form	$ 4,032.90	$	$	$	$
Analytical Costs Form	$ 487.89	$	$	$	$
Remediation and Disposal Costs Form	$ 3,970.96	$	$	$	$
UST Removal and Abandonment Costs Form	$ .00	$	$	$	$
Paving, Demolition, and Well Abandonment Costs Form	$ .00	$	$	$	$
Consulting Personnel Costs Form	$ 28,013.40	$	$	$	$
Consultant's Materials Costs Form	$ 7,030.00	$	$	$	$
Handling Charges Form	Handling charges will be determined at the time a billing package is submitted to the Illinois EPA. The amount of allowable handling charges will be determined in accordance with the Handling Charges Form.				
Total	$ 43,535.15	$	$	$	$

Drilling and Monitoring Well Costs Form

1. Drilling

Number of Borings to Be Drilled	Type HSA/PUSH/ Injection	Depth (feet) of Each Boring	Total Feet Drilled	Reason for Drilling
6	HSA	15.00	90.00	MW-33, SB-55/MW-34 through SB-58/MW-37, MW-38

☐ Subpart H minimum payment amount applies.

	Total Feet	Rate per Foot ($)	Total Cost ($)
Total Feet via HSA:	90.00	26.09	2,348.10
Total Feet via PUSH:			
Total Feet for Injection via PUSH:			
		Total Drilling Costs:	2,348.10

2. Monitoring / Recovery Wells

Number of Wells	Type of Well HSA / PUSH / 4" or 6" Recovery / 8" Recovery	Diameter of Well (inches)	Depth of Well (feet)	Total Feet of Wells to Be Installed ($)
6	HSA	2.00	15.00	90.00

Well Installation	Total Feet	Rate per Foot ($)	Total Cost ($)
Total Feet via HSA:	90.00	18.72	1,684.80
Total Feet via PUSH:			
Total Feet of 4" or 6" Recovery:		28.36	
Total Feet of 8" or Greater Recovery:			
		Total Well Costs:	1,684.80

Total Drilling and Monitoring Well Costs:	$4,032.90

Analytical Costs Form

Laboratory Analysis	Number of Samples		Cost ($) per Analysis		Total per Parameter
Chemical Analysis					
BETX Soil with MTBE EPA 8260	4	X	96.44	=	$385.76
BETX Water with MTBE EPA 8260		X		=	
COD (Chemical Oxygen Demand)		X		=	
Corrosivity		X		=	
Flash Point or Ignitability Analysis EPA 1010		X		=	
Fraction Organic Carbon Content (f_{oc}) ASTM-D 2974-00		X		=	
Fat, Oil, & Grease (FOG)		X		=	
LUST Pollutants Soil - analysis must include volatile, base/ neutral, polynuclear aromatics and metals list in Section 732. Appendix B and 734.Appendix B		X		=	
Dissolved Oxygen (DO)		X		=	
Paint Filter (Free Liquids)		X		=	
PCB / Pesticides (combination)		X		=	
PCBs		X		=	
Pesticides		X		=	
pH		X		=	
Phenol		X		=	
Polynuclear Aromatics PNA, or PAH SOIL EPA 8270		X		=	
Polynuclear Aromatics PNA, or PAH WATER EPA 8270		X		=	
Reactivity		X		=	
SVOC - Soil (Semi-Volatile Organic Compounds)		X		=	
SVOC - Water (Semi-Volatile Organic Compounds)		X		=	
TKN (Total Kjeldahl) "nitrogen"		X		=	
TPH (Total Petroleum Hydrocarbons)		X		=	
VOC (Volatile Organic Compounds) - Soil (Non-Aqueous)		X		=	
VOC (Volatile Organic Compounds) - Water		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Geo-Technical Analysis					
Soil Bulk Density (p_b) ASTM D2937-94		X		=	
Ex-situ Hydraulic Conductivity / Permeability		X		=	
Moisture Content (w) ASTM D2216-92 / D4643-93		X		=	
Porosity		X		=	
Rock Hydraulic Conductivity Ex-situ		X		=	
Sieve / Particle Size Analysis ASTM D422-63 / D1140-54		X		=	
Soil Classification ASTM D2488-90 / D2487-90		X		=	
Soil Particle Density (p_s) ASTM D854-92		X		=	
		X		=	
		X		=	
		X		=	

Analytical Costs Form

Metals Analysis					
Soil preparation fee for Metals TCLP Soil (one fee per soil sample)		X		=	
Soil preparation fee for Metals Total Soil (one fee per soil sample)		X		=	
Water preparation fee for Metals Water (one fee per water sample)		X		=	
Arsenic TCLP Soil		X		=	
Arsenic Total Soil		X		=	
Arsenic Water		X		=	
Barium TCLP Soil		X		=	
Barium Total Soil		X		=	
Barium Water		X		=	
Cadmium TCLP Soil		X		=	
Cadmium Total Soil		X		=	
Cadmium Water		X		=	
Chromium TCLP Soil		X		=	
Chromium Total Soil		X		=	
Chromium Water		X		=	
Cyanide TCLP Soil		X		=	
Cyanide Total Soil		X		=	
Cyanide Water		X		=	
Iron TCLP Soil		X		=	
Iron Total Soil		X		=	
Iron Water		X		=	
Lead TCLP Soil		X		=	
Lead Total Soil		X		=	
Lead Water		X		=	
Mercury TCLP Soil		X		=	
Mercury Total Soil		X		=	
Mercury Water		X		=	
Selenium TCLP Soil		X		=	
Selenium Total Soil		X		=	
Selenium Water		X		=	
Silver TCLP Soil		X		=	
Silver Total Soil		X		=	
Silver Water		X		=	
Metals TCLP Soil (a combination of all metals) RCRA		X		=	
Metals Total Soil (a combination of all metals) RCRA		X		=	
Metals Water (a combination of all metals) RCRA		X		=	
		X		=	
		X		=	
		X		=	
		X		=	
Other					
EnCore® Sampler, purge-and-trap sampler, or equivalent sampling device	4	X	11.35	=	$45.40
Sample Shipping per sampling event[1]	1	X	56.73	=	$56.73

[1]A sampling event, at a minimum, is all samples (soil and groundwater) collected in a calendar day.

Total Analytical Costs: $ 487.89

Remediation and Disposal Costs Form

A. Conventional Technology

Excavation, Transportation, and Disposal of contaminated soil and/or the 4-foot backfill material removal during early action activities:

Number of Cubic Yards	Cost per Cubic Yard ($)	Total Cost

Backfilling the Excavation:

Number of Cubic Yards	Cost per Cubic Yard ($)	Total Cost

Overburden Removal and Return:

Number of Cubic Yards	Cost per Cubic Yard ($)	Total Cost

B. Alternative Technology

Alternative Technology Selected:	
Number of Cubic Yards of Soil to Be Remediated	
Total Non-Consulting Personnel Costs Summary Sheet ($)	
Total Remediation Materials Costs Summary Sheet ($)	
Total Cost of the System	

Remediation and Disposal Costs Form

C. Groundwater Remediation and/or Free Product Removal System

Total Non-Consulting Personnel Costs Summary Sheet ($)	
Total Remediation Materials Costs Summary Sheet ($)	
Total Cost of the System	

D. Groundwater and/or Free Product Removal and Disposal

☐ Subpart H minimum payment amount applies.

Number of Gallons	Cost per Gallon ($)	Total Cost ($)

E. Drum Disposal

☐ Subpart H minimum payment amount applies.

Number of Drums of Solid Waste	Cost per Drum ($)	Total Cost ($)
14	283.64	3,970.96
Number of Drums of Liquid Waste	**Cost per Drum ($)**	**Total Cost ($)**
Total Drum Disposal Costs		3,970.96

Total Remediation and Disposal Costs:	$3,970.96

UST Removal and Abandonment Costs Form

Product Stored in UST	Size (gallons)	Abandoned or Removed	Cost ($)	Did UST have a release?
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐
				Yes ☐ No ☐

Total UST Removal and Abandonment Costs: _____

Paving, Demolition, and Well Abandonment Costs Form

A. Concrete and Asphalt Placement/Replacement

Number of Square Feet	Asphalt or Concrete	Thickness (inches)	Cost ($) per Square Foot	Replacement or Placement for an Engineered Barrier	Total Cost

Total Concrete and Asphalt Placement/Replacement Costs:	

B. Building Destruction or Dismantling and Canopy Removal

Item to Be Destroyed, Dismantled, or Removed	Unit Cost ($)	Total Cost ($)

Total Building Destruction or Dismantling and Canopy Removal Costs:	

Paving, Demolition, and Well Abandonment Costs Form

C. Well Abandonment

Monitoring Well ID #	Type of Well (HSA / PUSH / Recovery)	Depth of Well (feet)	Cost ($) per Foot	Total Cost

Total Monitoring Well Abandonment Costs:	

Total Paving, Demolition, and Well Abandonment Costs:	

Consulting Personnel Costs Form

Employee Name	Personnel Title	Hours	Rate* ($)	Total Cost
Remediation Category	**Task**			
Marcos Czako	Senior Project Manager	14.00	113.46	$1,588.44
FP-Field	RW and MW installation; soil sampling; surveying			
Marcos Czako	Senior Project Manager	24.00	113.46	$2,723.04
FP-Plan	FPRP preparation; project management and coordination			
Shawn Rodeck	Senior Prof. Engineer	4.00	147.49	$589.96
FP-Plan	FPRP review and certification			
Kimberly Henkel	Senior Admin. Assistant	2.00	51.05	$102.10
FP-Plan	FPRP correspondence, copying, and mailing			
Marcos Czako	Senior Project Manager	8.00	113.46	$907.68
FP-Budget	FPR Budget preparation			
Shawn Rodeck	Senior Prof. Engineer	2.00	147.49	$294.98
FP-Budget	FPR Budget review and certification			
Kimberly Henkel	Senior Acct. Technician	12.00	62.40	$748.80
FP-Pay	Reimbursement claim preparation			
Shawn Rodeck	Senior Prof. Engineer	2.00	147.49	$294.98
FP-Pay	Reimbursement claim review and certification			
Randy Wilson	Senior Technician	276.00	73.75	$20,355.00
FP-Field	Free product system O&M; free product recovery			

Employee Name	Personnel Title	Hours	Rate* ($)	Total Cost
Remediation Category	**Task**			
Senior Draftperson/CAD	Senior Draftperson/CAD	6.00	68.07	$408.42
FP-Plan	Figures preparation			

*Refer to the applicable Maximum Payment Amounts document.

Total of Consulting Personnel Costs	$28,013.40

Consultant's Materials Costs Form

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate ($)	Unit	Total Cost
Remediation Category	**Description/Justification**			
Truck	49.00	100.00	day	$4,900.00
FP-Field	Used for consultant transportation to and from the site			
PID	1.00	85.00	day	$85.00
FP-Field	Used to screen samples during well installation activities			
Interface Meter	48.00	35.00	day	$1,680.00
FP-Field	Used to gauge the wells during free product system O&M activities			
Nitrile Gloves	220.00	.50	pair	$110.00
FP-Field	Used to protect hands during soil sampling and free product system O&M activities			
Baggies	40.00	.25	baggie	$10.00
FP-Field	Used to collect soil samples in for head space screening			
Measuring Wheel	1.00	10.00	day	$10.00
FP-Field	Used to measure the locations of the wells			
Distilled Water - Stock Item	48.00	2.50	gallon	$120.00
FP-Field	Used to decontaminate the interface probe during gauging			
Survey Equipment	1.00	85.00	day	$85.00
FP-Field	Used to survey the top of casing of the wells			
FPRP Shipping	1.00	15.00	plan	$15.00
FP-Plan	FPRP shipping			

Materials, Equipment, or Field Purchase	Time or Amount Used	Rate ($)	Unit	Total Cost
Remediation Category	**Description/Justification**			
Reimbursement Claim Shipping	1.00	15.00	claim	$15.00
FP-Pay	Reimbursement claim shipping			

Total of Consultant Materials Costs	**$7,030.00**

APPENDIX E

OWNER/OPERATOR AND LICENSED PROFESSIONAL ENGINEER/GEOLOGIST BUDGET CERTIFICATION FORM

Owner/Operator and Licensed Professional Engineer/Geologist Budget Certification Form

I hereby certify that I intend to seek payment from the UST Fund for costs incurred while performing corrective action activities for Leaking UST incident 903199. I further certify that the costs set forth in this budget are for necessary activities and are reasonable and accurate to the best of my knowledge and belief. I also certify that the costs included in this budget are not for corrective action in excess of the minimum requirements of 415 ILCS 5/57, no costs are included in this budget that are not described in the corrective action plan, and no costs exceed Subpart H: Maximum Payment Amounts, Appendix D Sample Handling and Analysis amounts, and Appendix E Personnel Titles and Rates of 35 Ill. Adm. Code 732 or 734. I further certify that costs ineligible for payment from the Fund pursuant to 35 Ill. Adm. Code 732.606 or 734.630 are not included in the budget proposal or amendment. Such ineligible costs include but are not limited to:

Costs associated with ineligible tanks.
Costs associated with site restoration (e.g., pump islands, canopies).
Costs associated with utility replacement (e.g., sewers, electrical, telephone, etc.).
Costs incurred prior to IEMA notification.
Costs associated with planned tank pulls.
Legal fees or costs.
Costs incurred prior to July 28, 1989.
Costs associated with installation of new USTs or the repair of existing USTs.

Owner/Operator: Shivam Energy, Inc.

Authorized Representative: Rajani Patel Title: Owner

Signature: Rajani Patel Date: 05/28/2010

Subscribed and sworn to before me the 28 day of May, 2010.

Sandra L. Rodeck (Notary Public) Seal:

OFFICIAL SEAL
SANDRA L. RODECK
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 12-26-2011

In addition, I certify under penalty of law that all activities that are the subject of this plan, budget, or report were conducted under my supervision or were conducted under the supervision of another Licensed Professional Engineer or Licensed Professional Geologist and reviewed by me; that this plan, budget, or report and all attachments were prepared under my supervision; that, to the best of my knowledge and belief, the work described in the plan, budget, or report has been completed in accordance with the Environmental Protection Act [415 ILCS 5], 35 Ill. Adm. Code 732 or 734, and generally accepted standards and practices of my profession; and that the information presented is accurate and complete. I am aware there are significant penalties for submitting false statements or representations to the Illinois EPA, including but not limited to fines, imprisonment, or both as provided in Sections 44 and 57.17 of the Environmental Protection Act [415 ILCS 5/44 and 57.17].

L.P.E./L.P.G.: Shawn Rodeck L.P.E./L.P.G. Seal:

LICENSED PROFESSIONAL ENGINEER
SHAWN A. RODECK
062-052879
STATE OF ILLINOIS

L.P.E./L.P.G. Signature: Shawn Rodeck Date: 6/24/2010

Subscribed and sworn to before me the 24 day of June, 2010.

(Notary Public) Seal:

OFFICIAL SEAL
Kimberly A Henkel
Notary Public, State of Illinois
My Commission Expires 7/8/13

The Illinois EPA is authorized to require this information under 415 ILCS 5/1. Disclosure of this information is required. Failure to do so may result in the delay or denial of any budget or payment requested hereunder.

APPENDIX F

OFFICE OF THE STATE FIRE MARSHAL ELIGIBILITY AND DEDUCTIBLE DETERMINATION LETTER

Office of the Illinois

State Fire Marshal

"Partnering With the Fire Service to Protect Illinois"

CERTIFIED MAIL - RECEIPT REQUESTED #7008 2810 0000 2103 5290

April 28, 2009

Shivam Energy, Inc.
399 W. Liberty Street
Wauconda, IL 60084

In Re: Facility No. 2-010129
IEMA Incident No. 90-3199
Liberty Clark
399 Liberty Street
Wauconda, Lake Co., IL

Dear Applicant:

The Reimbursement Eligibility and Deductible Application received on April 24, 2009 for the above referenced occurrence has been reviewed. The following determinations have been made based upon this review.

You have filed an "Election to Proceed as Owner" and have received acceptance from the Illinois Environmental Protection Agency. It has been determined that you are eligible to seek payment of costs in excess of $10,000. The costs must be in response to the occurrence referenced above and associated with the following tanks:

Eligible Tanks

Tank 1 6,000 gallon Gasoline
Tank 2 6,000 gallon Gasoline

You must contact the Illinois Environmental Protection Agency to receive a packet of Agency billing forms for submitting your request for payment.

An owner or operator is eligible to access the Underground Storage Tank Fund if the eligibility requirements are satisfied:

1. Neither the owner nor the operator is the United States Government.

2. The tank does not contain fuel which is exempt from the Motor Fuel Tax Law.

3. The costs were incurred as a result of a confirmed release of any of the following substances:

   "Fuel", as defined in Section 1.19 of the Motor Fuel Tax Law

   Aviation fuel

   Heating oil

Kerosene

Used oil, which has been refined from crude oil used in a motor vehicle, as defined in Section 1.3 of the Motor Fuel Tax Law.

4. The owner or operator registered the tank and paid all fees in accordance with the statutory and regulatory requirements of the Gasoline Storage Act.

5. The owner or operator notified the Illinois Emergency Management Agency of a confirmed release, the costs were incurred after the notification and the costs were a result of a release of a substance listed in this Section. Costs of corrective action or indemnification incurred before providing that notification shall not be eligible for payment.

6. The costs have not already been paid to the owner or operator under a private insurance policy, other written agreement, or court order.

7. The costs were associated with "corrective action".

This constitutes the final decision as it relates to your eligibility and deductibility. We reserve the right to change the deductible determination should additional information that would change the determination become available. An underground storage tank owner or operator may appeal the decision to the Illinois Pollution Control Board (Board), pursuant to Section 57.9 (c) (2). An owner or operator who seeks to appeal the decision shall file a petition for a hearing before the Board within 35 days of the date of mailing of the final decision, (35 Illinois Administrative Code 105.102(a) (2)).

For information regarding the filing of an appeal, please contact:

Dorothy Gunn, Clerk
Illinois Pollution Control Board
State of Illinois Center
100 West Randolph, Suite 11-500
Chicago, Illinois 60601
(312) 814-3620

The following tanks are also listed for this site:

Tank 3 10,000 gallon Gasoline
Tank 4 10,000 gallon Gasoline

Your application indicates that there has not been a release from these tanks under this incident number. You may be eligible to seek payment of corrective action costs associated with these tanks if it is determined that there has been a release from one or more of these tanks. Once it is determined that there has been a release from one or more of these tanks you may submit a separate application for an eligibility determination to seek corrective action costs associated with this/these tanks.

If you have any questions, please contact our Office at (217) 785-1020 or (217) 785-5878.

Sincerely,

Deanne Lock
Administrative Assistant
Division of Petroleum and Chemical Safety

cc: IEPA
Facility File